

## APPENDIX A

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### COLLISION DATA

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
7/2/2017	12:07:00 AM	Sunday	EMBRY WY	EMBRY PT	7	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/4/2017	9:00:00 PM	Tuesday	WESTVIEW PY	MIRA LEE WY	200	North	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
7/4/2017	10:45:00 PM	Tuesday	WESTCHESTER AV	FLANDERS DR	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/5/2017	8:33:00 PM	Wednesday	FROST-MAR PL	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0	1	Driving Under Influence	Head-On	Fixed Object	Not Stated	Driver		Intersection	
7/6/2017	8:40:00 AM	Thursday	SORRENTO VALLEY BL	JUNIPER PARK LN	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/6/2017	9:29:00 AM	Thursday	ADERMAN AV	DANCY RD	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/6/2017	1:35:00 PM	Thursday	MIRAMAR RD	DOWDY DR	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/6/2017	1:35:00 PM	Thursday	MIRAMAR RD	DOWDY DR	0	Not Stated	Property Damage Only	0	0	1	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/6/2017	10:46:00 PM	Thursday	CARROLL RD	REHCO RD	0	South	Other Visible Injury	1	0	0	Improper Turning	Vehicle - Pedestrian	Pedestrian	Not In Road	Driver	Pedestrian	Intersection	Driver
7/7/2017	9:40:00 AM	Friday	GOLD COAST DR	GOLD COAST PL	36	East	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
7/10/2017	8:30:00 PM	Monday	SPITFIRE RD	AVENGER RD (N)	463	South	Property Damage Only	0	0	1	Not Stated	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
7/11/2017	8:40:00 PM	Tuesday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/12/2017	8:30:00 AM	Wednesday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0	0		Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
7/12/2017	11:30:00 AM	Wednesday	CARROLL CANYON RD	I-15 SB ON RA	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
7/13/2017	3:20:00 PM	Thursday	BLACK MTN RD	CAPRICORN WY	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/17/2017	5:17:00 PM	Monday	MIRAMAR RD	CARROLL RD	0	Not Stated	Complaint of Pain	3	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/17/2017	9:01:00 PM	Monday	BLACK MTN RD	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	3	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/18/2017	9:44:00 PM	Tuesday	MENKAR RD	TRAVIS CT	115	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
7/20/2017	4:55:00 PM	Thursday	MIRA MESA BL	CAM RUIZ	25	North	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/21/2017	7:40:00 AM	Friday	BLACK MTN RD	WESTVIEW PY	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/22/2017	8:02:00 PM	Saturday	GOLD COAST DR	CAM RUIZ	35	East	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/24/2017	6:20:00 AM	Monday	WESTVIEW PY	HILLERY DR	0	Not Stated	Other Visible Injury	1	0	0	Improper Turning	Head-On	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Driver
7/24/2017	8:45:00 AM	Monday	MIRAMAR RD	MIRACREST PL	250	West	Other Visible Injury	1	0	1	Improper Turning	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Approaching/Departing	Bicyclist
7/24/2017	11:04:00 PM	Monday	NANCY RIDGE DR	CARROLL RD	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Head-On	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
7/26/2017	2:07:00 AM	Wednesday	REAGAN RD	WESTMORE RD	145	South	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
7/26/2017	2:07:00 AM	Wednesday	REAGAN RD	WESTMORE RD	145	South	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
7/27/2017	7:00:00 PM	Thursday	MIRAMAR RD	CAM RUIZ	9	North	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/28/2017	4:50:00 AM	Friday	MIRA MESA BL	SCRANTON RD	375	West	Other Visible Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
7/28/2017	1:00:00 PM	Friday	PACIFIC MESA BL	CARIFIC MESA CT	20	East	Property Damage Only	0	0	0	Not Stated	Rear-End	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
7/29/2017	6:28:00 AM	Saturday	MERCY RD	I-15 SB ON RA	0	Not Stated	Other Visible Injury	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/1/2017	5:10:00 AM	Tuesday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/1/2017	12:29:00 PM	Tuesday	CAPRICORN WY	CAM RUIZ	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/3/2017	5:50:00 PM	Thursday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
8/3/2017	11:39:00 PM	Thursday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	1	Impeding Traffic	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
8/4/2017	8:26:00 AM	Friday	MERCY RD	ALEMANIA RD	150	West	Other Visible Injury	1	0	1	Unsafe Speed	Other	Not Stated	No Pedestrian Involved	Bicyclist		Approaching/Departing	
8/4/2017	3:11:00 PM	Friday	BLYTHE RD	WESTBURY AV	16	North	Property Damage Only	0	0	0	Unknown	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Not Stated
8/4/2017	11:14:00 PM	Friday	MAYA LINDA RD	CARROLL CANYON RD	65	Not Stated	Other Visible Injury	1	0	1		Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
8/4/2017	11:14:00 PM	Friday	MAYA LINDA RD	CARROLL CANYON RD	65	North	Other Visible Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
8/6/2017	12:48:00 AM	Sunday	BLACK MTN RD	GOLD COAST DR	0	West	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/6/2017	9:25:00 AM	Sunday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Other Visible Injury	2	0	0	Traffic Signals and Signs	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/8/2017	3:15:00 PM	Tuesday	CAPRICORN WY	KELOWNA RD	150	West	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
8/8/2017	5:26:00 PM	Tuesday	BLACK MTN RD	MIRA MESA BL	35	South	Other Visible Injury	0	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/11/2017		Friday	COMPASS POINT S DR	COMPASS POINT N DR	0	Not Stated	Property Damage Only	0	0	0	Unknown	Not Stated	Not Stated	Not Stated	Driver		Intersection	Driver
8/11/2017	11:05:00 AM	Friday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Other Visible Injury	1	0	1	Improper Turning	Other	Other Object	No Pedestrian Involved	Driver		Intersection	
8/12/2017	4:00:00 PM	Saturday	BLACK MTN RD	GEMINI AV	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/14/2017	9:05:00 AM	Monday	MIRA MESA BL	I-15 SB ON RA (W)	350	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
8/15/2017	10:59:00 AM	Tuesday	MIRAMAR RD	CABOT DR	32	West	Complaint of Pain	3	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/28/2017	7:09:00 AM	Monday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	3	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/28/2017	9:55:00 PM	Monday	MIRA MESA BL	VISTA SORRENTO PY	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/29/2017	6:15:00 PM	Tuesday	WESTVIEW PY	MIRA MESA BL	564	South	Property Damage Only	0	0	0	Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Not Stated
9/3/2017	11:15:00 AM	Sunday	WESTONHILL DR	CORVUS PL	135	North	Complaint of Pain	1	0	1	Unsafe Speed	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
9/3/2017	11:44:00 AM	Sunday	MIRA MESA BL	STEADMAN ST	0	Not Stated	Property Damage Only	1	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/5/2017	12:48:00 PM	Tuesday	MIRA MESA BL	NEW SALEM ST	0	Not Stated	Property Damage Only	0	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/8/2017	2:45:00 PM	Friday	SCRANTON RD	MIRA SORRENTO PL	120	South	Other Visible Injury	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk Not At Intersection	Driver	Pedestrian	Approaching/Departing	Pedestrian
9/8/2017	6:48:00 PM	Friday	MIRA MESA BL	VIPER WY	15	West	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/10/2017	9:55:00 AM	Sunday	MIRA MESA BL	WESTONHILL DR	347	West	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
9/23/2017	5:38:00 PM	Saturday	MIRA MESA BL	PACIFIC HEIGHTS BL	0	Not Stated	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/2/2017	6:25:00 PM	Monday	MIRA MESA BL	PARKDALE AV	525	West	Property Damage Only	0	1	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
1/2/2017	6:26:00 PM	Monday	MERCY RD	I-15 SB ON RA	0	North	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/4/2017	6:45:00 AM	Wednesday	PORT ROYALE DR	ANTRIM WY	0	Not Stated	Other Visible Injury	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk Not At Intersection	Driver	Pedestrian	Intersection	Pedestrian
1/5/2017	8:48:00 AM	Thursday	MIRAMAR RD	CARROLL RD	505	East	Other Visible Injury	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/6/2017	7:00:00 AM	Friday	MIRA MESA BL	SEQUENCE DR	446	West	Complaint of Pain	3	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/11/2017	4:02:00 PM	Wednesday	CAM RUIZ	WESTMORE RD	60	North	Other Visible Injury	4	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/11/2017	5:00:00 PM	Wednesday	MIRA MESA BL	GREENFORD DR	150	East	Complaint of Pain	4	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
1/11/2017	6:54:00 PM	Wednesday	MIRA MESA BL	BLACK MTN RD	122	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
1/12/2017	10:28:00 AM	Thursday	WESTVIEW PY	MIRA MESA BL	259	South	Property Damage Only	0	0	1	Driving Under Influence	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
1/12/2017	10:29:00 AM	Thursday	WESTVIEW PY	MIRA MESA BL	255	South	Property Damage Only	0	0	1	Driving Under Influence	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
1/17/2017	7:15:00 AM	Tuesday	HILLERY DR	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0		Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/17/2017	7:45:00 AM	Tuesday	PHANTOM LN	HAWKEYE WY	300	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
1/17/2017	9:25:00 PM	Tuesday	BLACK MTN RD	CARROLL CENTRE RD	300	North	Complaint of Pain	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
1/18/2017	7:34:00 AM	Wednesday	CAM RUIZ	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/22/2017	6:20:00 AM	Sunday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/23/2017	3:55:00 PM	Monday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
1/24/2017	8:01:00 AM	Tuesday	MIRA MESA BL	CAM SANTA FE	40	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/24/2017	1:08:00 PM	Tuesday	MIRAMAR RD	PADGETT ST	100	West	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
1/24/2017	2:28:00 PM	Tuesday	MIRAMAR RD	CLAYTON DR	0	Not Stated	Complaint of Pain	1	0	0	Unsafe Starting or Backing	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/24/2017	2:35:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	18	East	Complaint of Pain	1	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/24/2017	5:58:00 PM	Tuesday	NORTHROP DR	CANRIGHT WY	0	East	Complaint of Pain	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk Not At Intersection	Driver	Pedestrian	Intersection	Pedestrian
1/25/2017	6:33:00 AM	Wednesday	AMANTHA AV	BERWYN RD	70	South	Other Visible Injury	2	0	0	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/26/2017	8:00:00 AM	Thursday	AVNDA DEL GATO	ZAPATA AV	500	North	Property Damage Only	0	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/27/2017	4:10:00 PM	Friday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/28/2017	2:24:00 AM	Saturday	CALLE CRISTOBAL	PRAIRIE WOOD DR	461	East	Complaint of Pain	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
1/28/2017	9:30:00 AM	Saturday	ZAPATA AV	CLEARSPRING RD	0	Not Stated	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Not Stated
1/28/2017	2:20:00 PM	Saturday	REAGAN RD	PEACH POINT AV	108	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
1/30/2017	8:51:00 PM	Monday	HAUNTLESS ST	HAWKEYE WY	328	South	Property Damage Only	0	0		Other Than Driver	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Not Stated
1/31/2017	6:45:00 AM	Tuesday	SCRIPPS POWAY PY	I-15 NB ON RA	15	West	Complaint of Pain	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/1/2017		Wednesday	SCRANTON RD	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	0		Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/1/2017	2:15:00 PM	Wednesday	WESTONHILL DR	HILLERY DR	90	North	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/1/2017	2:53:00 PM	Wednesday	HILLERY DR	REAGAN RD	6	South	Other Visible Injury	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Driver
2/1/2017	4:47:00 PM	Wednesday	MIRA MESA BL	HUENNEKENS ST	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/2/2017	12:26:00 PM	Thursday	WESTONHILL DR	DEWSBURY AV	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/3/2017	11:15:00 AM	Friday	MIRAMAR RD	PADGETT ST	206	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/6/2017	5:30:00 PM	Monday	MIRAMAR RD	KEARNY VILLA RD	0	Not Stated	Property Damage Only	0	0	0		Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
2/6/2017	6:44:00 PM	Monday	CARROLL CANYON RD	CAMTO JOVIAL	199	East	Severe Injury	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Approaching/Departing	Driver
2/8/2017	3:42:00 PM	Wednesday	CARROLL CANYON RD	I-15 NB ON RA	0	Not Stated	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/9/2017	2:15:00 PM	Thursday	MIRAMAR RD	PADGETT ST	0	South	Other Visible Injury	1	0		Not Stated	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
2/9/2017	4:11:00 PM	Thursday	CALLE CRISTOBAL	THOMAS HAYES LN	0	Not Stated	Severe Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/11/2017	3:27:00 PM	Saturday	MIRA MESA BL	PENRIDGE ST	34	South	Complaint of Pain	1	0		Unknown	Rear-End	Other Motor Vehicle	Not In Road	Driver	Driver	Intersection	Not Stated
2/11/2017	9:39:00 PM	Saturday	SCHILLING AV	CALSTON WY	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/12/2017	5:00:00 PM	Sunday	GALVIN AV	BLACK MTN RD	0	Not Stated	Other Visible Injury	1	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Bicyclist	Intersection	Not Stated
2/13/2017	12:55:00 PM	Monday	MIRA MESA BL	VIPER WY	32	East	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/13/2017	3:38:00 PM	Monday	MIRAMAR RD	DISTRIBUTION AV	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/13/2017	4:06:00 PM	Monday	BLACK MTN RD	MIRA MESA BL	322	North	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/14/2017	7:40:00 PM	Tuesday	CABOT DR	ARJONS DR	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/14/2017	11:00:00 PM	Tuesday	COVINA CR	WESTONHILL DR	0	Not Stated	Property Damage Only	0	0	1	Other Hazardous Movement	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/15/2017	2:40:00 PM	Wednesday	DUNBROOK RD	ARJONS DR	250	West	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
2/15/2017	5:55:00 PM	Wednesday	ACTIVITY RD	BLACK MTN RD	150	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/16/2017	6:06:00 AM	Thursday	MIRA MESA BL	WESTMORE RD	14	East	Fatal	1	0	1	Auto R/W Violation	Not Stated	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
2/16/2017	10:37:00 PM	Thursday	MIRA MESA BL	MARBURY AV	0	Not Stated	Complaint of Pain	3	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/17/2017	7:10:00 PM	Friday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/17/2017	11:37:00 PM	Friday	GALVIN AV	BLACK MTN RD	328	East	Property Damage Only	0	0	0	Wrong Side of Road	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
2/18/2017	4:30:00 PM	Saturday	BLACK MTN RD	MIRA MESA BL	30	West	Complaint of Pain	1	0	0	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/18/2017	6:00:00 PM	Saturday	CAPRICORN WY	KELOWNA RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/19/2017	7:29:00 PM	Sunday	MIRA MESA BL	I-15 SB OFF RA	42	West	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/22/2017	2:00:00 AM	Wednesday	SCRIPPS POWAY PY	I-15 NB OFF RA	0	East	Other Visible Injury	1	0	1	Unsafe Speed	Head-On	Fixed Object	No Pedestrian Involved	Driver		Intersection	
2/22/2017	4:00:00 PM	Wednesday	MIRAMAR RD	CABOT DR	0	Not Stated	Complaint of Pain	3	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/23/2017		Thursday	SCRANTON RD	MIRA SORRENTO PL	0	Not Stated	Property Damage Only	0	0	1	Driving Under Influence	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Intersection	
2/23/2017	12:21:00 PM	Thursday	WESTVIEW PY	MIRA MESA BL	17	East	Property Damage Only	0	0		Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
2/26/2017	7:50:00 AM	Sunday	BLACK MTN RD	GEMINI AV	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/26/2017	12:25:00 PM	Sunday	MIRA MESA BL	NEW SALEM ST	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/28/2017	3:25:00 PM	Tuesday	MIRAMAR RD	CABOT DR	27	Not Stated	Other Visible Injury	2	0	0	Auto R/W Violation	Hit Object	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/28/2017	3:25:00 PM	Tuesday	MIRAMAR RD	CABOT DR	27	South	Other Visible Injury	2	0	0	Auto R/W Violation	Hit Object	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/28/2017	4:43:00 PM	Tuesday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Other Visible Injury	1	0	0	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/28/2017	4:43:00 PM	Tuesday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Other Visible Injury	1	0	0	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/28/2017	5:50:00 PM	Tuesday	MERCY RD	ALEMANIA RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Other	Intersection	Other
3/1/2017	7:08:00 AM	Wednesday	FLANDERS DR	PARKDALE AV	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/2/2017		Thursday	CAM RUIZ	JADE COAST DR	0	Not Stated	Property Damage Only	0	0	0		Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
3/6/2017	11:08:00 AM	Monday	MIRA MESA BL	WESTVIEW PY	0	East	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/6/2017	3:50:00 PM	Monday	GOLD COAST DR	BLACK MTN RD	42	West	Complaint of Pain	1	0	0	Following Too Closely	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/7/2017	7:09:00 AM	Tuesday	GOLD COAST DR	BARONESS AV	80	East	Complaint of Pain	1	0	1	Wrong Side of Road	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/7/2017	4:35:00 PM	Tuesday	CAM SANTA FE	CARROLL RD	40	South	Property Damage Only	0	0	1	Other Hazardous Movement	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/8/2017	6:55:00 PM	Wednesday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Other Visible Injury	1	0	0	Auto R/W Violation	Not Stated	Motor Vehicle on Other Roadway	Not Stated	Driver	Driver	Intersection	Driver
3/9/2017	9:39:00 AM	Thursday	MIRA MESA BL	GREENFORD DR	335	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
3/11/2017	12:50:00 PM	Saturday	WESTONHILL DR	WESTMORE RD	10	East	Complaint of Pain	2	0	1	Auto R/W Violation	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
3/14/2017	5:55:00 AM	Tuesday	MIRAMAR RD	CLAYTON DR	30	East	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/15/2017	8:32:00 AM	Wednesday	NEW SALEM ST	REAGAN RD (W)	0	South	Complaint of Pain	1	0	0	Improper Turning	Other	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
3/15/2017	3:08:00 PM	Wednesday	MERCY RD	BLACK MTN RD	26	East	Other Visible Injury	2	0	1	Improper Turning	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/16/2017	4:10:00 AM	Thursday	AQUARIUS DR	WESTONHILL DR	54	East	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
3/17/2017	9:03:00 AM	Friday	WESTONHILL DR	HARLINGTON DR	100	North	Fatal	0	1	1	Not Stated	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Driver	Pedestrian	Approaching/Departing	Pedestrian
3/17/2017	7:13:00 PM	Friday	MIRAMAR RD	MILCH RD	12	North	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/18/2017	9:45:00 AM	Saturday	SCHNEPLE DR	GANESTA RD	125	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
3/18/2017	10:50:00 PM	Saturday	BLACK MTN RD	CARROLL CANYON RD	10	South	Other Visible Injury	1	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
3/20/2017	6:05:00 PM	Monday	MIRA MESA BL	FLANDERS DR	0	Not Stated	Complaint of Pain	3	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/21/2017	9:16:00 AM	Tuesday	CAM RUIZ	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/23/2017	2:40:00 PM	Thursday	WESTVIEW PY	MIRA MESA BL	3	South	Severe Injury	1	0	0	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	No Pedestrian Involved	Driver	Pedestrian	Intersection	Driver
3/23/2017	4:02:00 PM	Thursday	MIRAMAR RD	DOWDY DR	0	Not Stated	Property Damage Only	0	0	1	Unsafe Starting or Backing	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
3/24/2017	7:15:00 AM	Friday	BLACK MTN RD	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/24/2017	2:53:00 PM	Friday	BLACK MTN RD	GEMINI AV	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/26/2017	12:10:00 AM	Sunday	NEW SALEM ST	NEW SALEM WY	0	Not Stated	Property Damage Only	0	0	1	Not Stated	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/27/2017	7:56:00 AM	Monday	MIRAMAR RD	KEARNY MESA RD	0	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/27/2017	1:10:00 PM	Monday	CAM SANTA FE	SORRENTO VALLEY BL	0	North	Complaint of Pain	3	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/29/2017	11:41:00 AM	Wednesday	BLACK MTN RD	CAPRICORN WY	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/29/2017	9:30:00 PM	Wednesday	OSGOOD WY	NORTHROP DR	400	South	Property Damage Only	0	0	1	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
3/30/2017		Thursday	CAM SANTA FE	COMMERCE AV	0	Not Stated	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/30/2017	6:12:00 PM	Thursday	WESTVIEW PY	MARKETCENTER DY	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/30/2017	7:30:00 PM	Thursday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/1/2017	1:23:00 AM	Saturday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/3/2017		Monday	BOOTES ST	CASSIOEPIA WY	0	Not Stated	Property Damage Only	0	0	0	Unknown	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
4/3/2017	2:38:00 PM	Monday	MIRAMAR RD	CAM SANTA FE	30	West	Other Visible Injury	2	0	0	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/3/2017	4:40:00 PM	Monday	PARKDALE AV	NORTHROP DR	29	South	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
4/4/2017	8:30:00 PM	Tuesday	KEARNY MESA RD	MIRAMAR RD	225	East	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
4/5/2017	1:00:00 AM	Wednesday	ACAMA ST	ADRIATIC PL	20	West	Property Damage Only	0	0	0	Improper Turning	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
4/5/2017	3:51:00 AM	Wednesday	AVNDA DEL GATO	CALLE NUEVA	45	South	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
4/5/2017	7:00:00 AM	Wednesday	AVNDA DEL GATO	CALLE MORELOS	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
4/5/2017	8:00:00 AM	Wednesday	BLACK MTN RD	WESTVIEW PY	80	North	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/7/2017	4:27:00 PM	Friday	CAM RUIZ	GOLD COAST DR	0	Not Stated	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/7/2017	4:50:00 PM	Friday	MIRA MESA BL	GREENFORD DR	390	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
4/8/2017	12:19:00 AM	Saturday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/8/2017	3:00:00 PM	Saturday	MIRAMAR RD	DISTRIBUTION AV	809	East	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
4/9/2017	8:17:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/10/2017	12:00:00 PM	Monday	MIRA MESA BL	PARKDALE AV	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/11/2017	8:05:00 AM	Tuesday	MIRAMAR RD	CAM RUIZ	0	North	Property Damage Only	0	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
4/11/2017	12:42:00 PM	Tuesday	PARKDALE AV	MIRA MESA BL	22	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/11/2017	7:05:00 PM	Tuesday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Other Visible Injury	1	0	0	Unsafe Speed	Overturned	Non-Collision	No Pedestrian Involved	Driver		Intersection	Driver
4/11/2017	8:40:00 PM	Tuesday	KENAMAR DR	CARROLL RD	0	Not Stated	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/14/2017	1:52:00 PM	Friday	DOWDY DR	SILVERTON AV	75	North	Property Damage Only	0	0	0	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/15/2017	2:30:00 AM	Saturday	TIERRA GRANDE ST	CANDIDA ST	33	East	Property Damage Only	0	0	0	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
4/16/2017	10:47:00 AM	Sunday	ICE SKATE PL	GALVIN AV	0	Not Stated	Property Damage Only	0	0	0	Unknown	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Not Stated
4/18/2017	6:50:00 PM	Tuesday	HILLERY DR	RICKERT RD	0	Not Stated	Property Damage Only	0	0	0	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
4/18/2017	11:09:00 PM	Tuesday	GOLD COAST DR	CAM RUIZ	42	West	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/19/2017	6:57:00 PM	Wednesday	CAM SANTA FE	CALLE CRISTOBAL	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/26/2017	8:15:00 PM	Wednesday	MIRA MESA BL	SCRANTON RD	51	East	Property Damage Only	0	0	1	Unsafe Speed	Overturned	Fixed Object	No Pedestrian Involved	Driver		Intersection	
4/27/2017	3:19:00 PM	Thursday	CARROLL CANYON RD	SCRANTON RD	4	West	Other Visible Injury	1	0	1	Unsafe Speed	Overturned	Non-Collision	No Pedestrian Involved	Driver		Intersection	
4/27/2017	9:45:00 PM	Thursday	I-15 SB	MIRA MESA BL	2640	North	Property Damage Only	0	0	1	Unsafe Lane Change	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
4/28/2017	5:54:00 AM	Friday	MIRAMAR RD	BLACK MTN RD	19	West	Severe Injury	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/28/2017	6:49:00 AM	Friday	CARROLL CANYON RD	BLACK MTN RD	300	East	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/28/2017	12:42:00 PM	Friday	PADGETT ST	ACTIVITY RD	0	Not Stated	Complaint of Pain	0	1	0	Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
4/28/2017	1:10:00 PM	Friday	KEARNY MESA RD	MIRAMAR RD	0	Not Stated	Complaint of Pain	1	0	0	Improper Turning	Vehicle - Pedestrian	Pedestrian	Not In Road	Driver	Pedestrian	Intersection	Driver
4/28/2017	4:43:00 PM	Friday	MIRAMAR RD	DOWDY DR	0	Not Stated	Other Visible Injury	1	0	0	Improper Turning	Broadside	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver
4/29/2017	9:50:00 AM	Saturday	MIRAMAR RD	CARROLL RD	0	East	Other Visible Injury	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/29/2017	2:15:00 PM	Saturday	MIRAMAR RD	CARROLL RD	0	East	Complaint of Pain	1	0	1	Wrong Side of Road	Not Stated	Bicycle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/29/2017	3:10:00 PM	Saturday	MIRA MESA BL	PACIFIC HEIGHTS BL	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/2/2017	12:29:00 PM	Tuesday	MIRA MESA BL	BLACK MTN RD	15	North	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/5/2017	10:50:00 AM	Friday	WESTONHILL DR	CORVUS PL	80	North	Other Visible Injury	2	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
5/5/2017	1:00:00 PM	Friday	SCRANTON RD	BARNES CANYON RD	0	Not Stated	Complaint of Pain	1	0	0	Following Too Closely	Not Stated	Non-Collision	No Pedestrian Involved	Driver		Intersection	Driver
5/5/2017	7:46:00 PM	Friday	CAM RUIZ	REAGAN RD	13	East	Other Visible Injury	2	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/6/2017	9:11:00 PM	Saturday	KELOWNA RD	SCHNEPLE DR	0	West	Complaint of Pain	1	0	0	Improper Turning	Hit Object	Not Stated	No Pedestrian Involved	Driver		Intersection	Bicyclist
5/7/2017	8:00:00 AM	Sunday	NEW SALEM ST	NEW SALEM WY	10	East	Property Damage Only	0	0	0	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
5/7/2017	9:29:00 PM	Sunday	KEARNY VILLA RD	MIRAMAR RD	1	South	Complaint of Pain	1	0	0	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
5/9/2017	9:00:00 PM	Tuesday	MIRA MESA BL	SEQUENCE DR	0	Not Stated	Complaint of Pain	2	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk Not At Intersection	Driver	Pedestrian	Intersection	Pedestrian
5/11/2017	1:54:00 PM	Thursday	WESTVIEW PY	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Broadside	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
5/11/2017	3:33:00 PM	Thursday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/11/2017	6:20:00 PM	Thursday	MIRAMAR RD	CLAYTON DR	10	South	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/12/2017	2:53:00 PM	Friday	MIRAMAR RD	CABOT DR	100	East	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/12/2017	3:14:00 PM	Friday	MIRAMAR RD	CABOT DR	2110	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
5/12/2017	8:36:00 PM	Friday	BLACK MTN RD	MIRAMAR RD	450	North	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver		Midblock	Not Stated
5/13/2017	3:11:00 AM	Thursday	MIRA MESA BL	WESTVIEW PY	0	West	Property Damage Only	0	0	1	Improper Turning	Other	Other Object	No Pedestrian Involved	Driver		Intersection	
5/13/2017	3:17:00 PM	Saturday	CAM RUIZ	WESTMORE RD	6	East	Property Damage Only	0	0		Unknown	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
5/16/2017	9:55:00 PM	Tuesday	MONTONGO CR	MONTONGO ST	64	East	Property Damage Only	0	0	1	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
5/17/2017	8:05:00 PM	Wednesday	CAPRICORN WY	PEGASUS AV	5	South	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
5/18/2017	7:28:00 AM	Thursday	CALLE CRISTOBAL	ACAMA CT	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
5/20/2017	7:35:00 PM	Saturday	BLACK MTN RD	CAPRICORN WY	30	North	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/22/2017	12:00:00 PM	Monday	WESTONHILL DR	ANDROMEDA RD	120	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
5/22/2017	1:00:00 PM	Monday	WESTONHILL DR	WESTMORE RD	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
5/22/2017	5:34:00 PM	Monday	MIRAMAR RD	PADGETT ST	0	Not Stated	Complaint of Pain	1	0	1	Other Hazardous Movement	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/23/2017	3:47:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	24	East	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/25/2017	9:38:00 PM	Thursday	MIRA MESA BL	LUSK BL	64	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/25/2017	10:11:00 PM	Thursday	CARROLL CANYON RD	I-15 NB OFF RA	0	North	Property Damage Only	0	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/26/2017	11:21:00 AM	Friday	GEMINI AV	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/30/2017	11:50:00 AM	Tuesday	MIRAMAR RD	BLACK MTN RD	474	West	Severe Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
5/30/2017	3:59:00 PM	Tuesday	MERCY RD	BRANICOLE LN	320	West	Fatal	0	1	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
5/31/2017	3:45:00 PM	Wednesday	NEW SALEM CR	NEW SALEM ST	6	South	Property Damage Only	0	0	1	Unsafe Starting or Backing	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
6/1/2017	8:00:00 PM	Thursday	CALLE CRISTOBAL	AVNDA DEL GATO	18	East	Other Visible Injury	2	0	0	Unsafe Speed	Rear-End	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Driver	Intersection	Driver
6/7/2017	8:46:00 AM	Wednesday	MIRA MESA BL	REAGAN RD (W)	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/8/2017	6:15:00 PM	Thursday	MIRA MESA BL	PACIFIC HEIGHTS BL	200	West	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/9/2017	10:43:00 AM	Friday	BLACK MTN RD	HILLERY DR	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/9/2017	2:25:00 PM	Friday	BLACK MTN RD	HILLERY DR	75	North	Other Visible Injury	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/10/2017	2:52:00 PM	Saturday	BLACK MTN RD	MERCY RD	0	Not Stated	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/11/2017	8:18:00 AM	Sunday	MIRAMAR RD	PRODUCTION AV	0	Not Stated	Severe Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
6/11/2017	10:18:00 AM	Sunday	BLACK MTN RD	MERCY RD	0	South	Other Visible Injury	2	0	0	Auto R/W Violation	Hit Object	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/13/2017	6:26:00 PM	Tuesday	CAM RUIZ	ZAPATA AV	10	South	Property Damage Only	1	0	0	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Driver
6/14/2017	12:11:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/15/2017	8:55:00 AM	Thursday	BLACK MTN RD	CARROLL CENTRE RD	60	North	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/15/2017	3:38:00 PM	Thursday	KEARNY MESA RD	MIRAMAR RD	2	East	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
6/15/2017	4:54:00 PM	Thursday	MIRA MESA BL	GREENFORD DR	0	Not Stated	Complaint of Pain	1	0	1	Unknown	Broadside	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/16/2017	12:43:00 PM	Friday	MIRAMAR RD	CABOT DR	30	East	Complaint of Pain	3	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/17/2017	12:40:00 AM	Saturday	REAGAN RD	COLUMBUS ST	100	North	Complaint of Pain	1	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/17/2017	3:00:00 AM	Saturday	CAM RUIZ	HYDRA LN	10	South	Property Damage Only	0	0	0	Auto R/W Violation	Broadside	Fixed Object	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/18/2017	11:42:00 AM	Sunday	MIRAMAR RD	CABOT DR	820	East	Property Damage Only	0	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
6/19/2017	2:20:00 PM	Monday	MIRAMAR RD	PADGETT ST	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/20/2017	12:05:00 PM	Tuesday	PARKDALE AV	PARKDALE CR	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/20/2017	11:15:00 PM	Tuesday	MIRAMAR RD	DISTRIBUTION AV	54	West	Complaint of Pain	1	0	1	Other Hazardous Movement	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/22/2017	3:45:00 AM	Thursday	MIRA MESA BL	REAGAN RD (E)	0	Not Stated	Other Visible Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
6/24/2017	12:20:00 AM	Saturday	FLANDERS DR	SAN RAMON DR	13	West	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
6/26/2017	7:14:00 PM	Monday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/28/2017	6:13:00 PM	Wednesday	HILLERY DR	WESTVIEW PY	25	North	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/28/2017	9:04:00 PM	Wednesday	MERCY RD	I-15 SB ON RA	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/29/2017	7:00:00 AM	Thursday	WESTCHESTER AV	DUNHOLME ST	36	South	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
6/29/2017	7:59:00 AM	Thursday	REAGAN RD	CAM RUIZ	0	Not Stated	Complaint of Pain	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/30/2017	7:57:00 PM	Friday	MIRA MESA BL	VIPER WY	50	Not Stated	Property Damage Only	0	0	1	Improper Turning	Broadside	Parked Motor Vehicle	Not Stated	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/2/2016	6:23:00 PM	Saturday	CARROLL CANYON RD	MAYA LINDA RD	0	Not Stated	Other Visible Injury	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Driver	Intersection	Driver
1/4/2016	12:00:00 PM	Monday	PARKDALE AV	CALICO ST	8	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/5/2016	8:30:00 PM	Tuesday	VISTA SORRENTO PY	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
1/6/2016	7:25:00 AM	Wednesday	BLACK MTN RD	ACTIVITY RD	0	Not Stated	Severe Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/6/2016	10:30:00 AM	Wednesday	OBERLIN DR	YOUNGSTOWN WY	450	East	Property Damage Only	0	0	0	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Parked Vehicle	Driver	Midblock	Parked Vehicle
1/7/2016	8:49:00 AM	Thursday	MIRAMAR RD	CABOT DR	450	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/7/2016	10:58:00 AM	Thursday	CARROLL RD	LIQUID CT	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Pedestrian	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/9/2016	10:30:00 PM	Saturday	MIRAMAR RD	BLACK MTN RD	420	East	Other Visible Injury	3	0	0	Unsafe Speed	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/11/2016	5:55:00 AM	Monday	MIRA MESA BL	FLANDERS DR	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver
1/11/2016	3:18:00 PM	Monday	BLACK MTN RD	GOLD COAST DR	5	North	Other Visible Injury	1	0	0	Traffic Signals and Signs	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Driver
1/11/2016	7:05:00 PM	Monday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/13/2016	9:50:00 PM	Wednesday	MIRAMAR RD	FROST-MAR PL	310	West	Other Visible Injury	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
1/13/2016	11:42:00 PM	Wednesday	WESTONHILL DR	ANDROMEDA RD	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
1/15/2016	3:30:00 PM	Friday	MIRAMAR RD	CLAYTON DR	180	West	Complaint of Pain	1	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
1/16/2016	12:45:00 AM	Saturday	WESTONHILL DR	ANDROMEDA RD	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/22/2016	2:14:00 AM	Friday	CAPRICORN WY	SAGITTARIUS RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
1/23/2016	11:00:00 AM	Saturday	KEARNY MESA RD	MIRAMAR RD	14	South	Property Damage Only	0	0		Unknown	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
1/23/2016	2:00:00 PM	Saturday	FLANDERS DR	KAMWOOD ST	0	Not Stated	Property Damage Only	0	0	0		Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
1/24/2016	2:05:00 PM	Sunday	I-805 NB OFF RA	MIRA MESA BL (E)	0	Not Stated	Complaint of Pain	2	0	1	Impeding Traffic	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/26/2016	11:00:00 AM	Tuesday	MIRA MESA BL	REAGAN RD (W)	600	East	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/27/2016	7:30:00 AM	Wednesday	LAPIZ DR	AVNDA DEL GATO	0	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/27/2016	11:34:00 AM	Wednesday	MIRAMAR RD	BLACK MTN RD	26	South	Complaint of Pain	2	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/28/2016	6:59:00 PM	Thursday	MIRAMAR RD	CLAYTON DR	554	East	Complaint of Pain	1	0	1	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/28/2016	8:05:00 PM	Thursday	CAPRICORN WY	WESTONHILL DR	0	Not Stated	Complaint of Pain	1	0	0	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/28/2016	10:00:00 PM	Thursday	CAM RUIZ	JADE COAST DR	0	South	Property Damage Only	0	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/29/2016	3:27:00 AM	Friday	PORT ROYALE DR	KAISER PL	150	East	Property Damage Only	0	0	0	Unsafe Speed	Overturned	Parked Motor Vehicle	No Pedestrian Involved	Other	Parked Vehicle	Approaching/Departing	Other
1/29/2016	5:08:00 AM	Friday	BLACK MTN RD	WESTVIEW PY	800	South	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
1/29/2016	7:11:00 PM	Friday	BLACK MTN RD	MAYA LINDA RD	0	Not Stated	Complaint of Pain	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Driver
1/30/2016	1:24:00 AM	Saturday	GREENFORD DR	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/31/2016	8:41:00 AM	Sunday	SORRENTO VALLEY BL	SETTING SUN WY	1	West	Property Damage Only	0	0		Not Stated	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Not Stated
2/2/2016	6:10:00 PM	Tuesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
2/6/2016	8:50:00 AM	Saturday	MIRA MESA BL	GREENFORD DR	12	West	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/6/2016	12:10:00 PM	Saturday	MIRA MESA BL	WESTMORE RD	0	East	Property Damage Only	0	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
2/9/2016	9:25:00 AM	Tuesday	KEARNY VILLA RD	KEARNY MESA RD	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
2/11/2016	9:54:00 AM	Thursday	MIRAMAR RD	PRODUCTION AV	213	West	Complaint of Pain	1	0	0	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/12/2016	2:30:00 PM	Friday	DALBY PL	JERGENS CT	126	West	Property Damage Only	0	0	0	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
2/12/2016	9:10:00 PM	Friday	CALLE CRISTOBAL	TALONCREST WY	219	West	Fatal	0	1	1	Wrong Side of Road	Overturned	Non-Collision	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/14/2016	2:30:00 PM	Sunday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	0		Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/14/2016	5:06:00 PM	Sunday	REAGAN RD	IVORY COAST DR	0	Not Stated	Fatal	0	1	1	Unsafe Speed	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
2/14/2016	5:06:00 PM	Sunday	REAGAN RD	IVORY COAST DR	0	Not Stated	Fatal	0	1	1	Unsafe Speed	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
2/14/2016	10:10:00 PM	Sunday	TAURUS PL	SCORPIUS WY	36	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/15/2016	3:15:00 AM	Monday	BENDIGO RD	PARKDALE AV	0	Not Stated	Property Damage Only	0	0		Not Stated	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
2/15/2016	3:16:00 AM	Monday	PARKDALE AV	PARKDALE CR	137	North	Property Damage Only	0	0	1	Unknown	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
2/15/2016	3:18:00 AM	Monday	ALCAMO RD	PARKDALE AV	123	East	Property Damage Only	0	0	1	Unknown	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/15/2016	3:19:00 AM	Monday	DANCY RD	GIFFIN WY	94	West	Property Damage Only	0	0	1	Unknown	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/15/2016	6:23:00 PM	Monday	WESTVIEW PY	MIRA LEE WY	115	North	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/15/2016	11:30:00 PM	Monday	REAGAN RD	CASA BLANCA PL	18	West	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/16/2016	8:15:00 AM	Tuesday	CAM RUIZ	CAPRICORN WY	75	North	Property Damage Only	0	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/16/2016	9:00:00 AM	Tuesday	TRADE ST	CARROLL WY	1000	West	Property Damage Only	0	0	0	Unsafe Starting or Backing	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
2/17/2016	9:05:00 PM	Wednesday	MIRA MESA BL	VISTA SORRENTO PY	0	Not Stated	Complaint of Pain	3	0	0	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/21/2016	6:10:00 AM	Sunday	NEW SALEM ST	GLENDA WY	68	East	Complaint of Pain	1	0	0	Improper Turning	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
2/22/2016	10:08:00 AM	Monday	MIRAMAR RD	MILCH RD	0	Not Stated	Other Visible Injury	1	0	1	Unsafe Speed	Other	Not Stated	No Pedestrian Involved	Bicyclist		Intersection	
2/22/2016	7:50:00 PM	Monday	MIRA MESA BL	BLACK MTN RD	120	East	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/22/2016	10:50:00 PM	Monday	MIRAMAR RD	CAM RUIZ	20	West	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/23/2016	3:00:00 PM	Tuesday	MIRAMAR RD	PADGETT ST	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/25/2016	5:10:00 PM	Thursday	POLARIS DR	LIBRA DR	0	South	Other Visible Injury	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Driver
2/26/2016	8:59:00 AM	Friday	MIRA MESA BL	SCRANTON RD	334	East	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
2/26/2016	1:10:00 PM	Friday	MIRA MESA BL	MARBURY AV	20	West	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/26/2016	3:29:00 PM	Friday	ACTIVITY RD	CLAYTON DR	0	Not Stated	Other Visible Injury	1	0	0	Unsafe Speed	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/1/2016	6:15:00 AM	Tuesday	CLAYTON DR	MIRAMAR RD	420	North	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
3/1/2016	4:35:00 PM	Tuesday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Other Visible Injury	3	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/3/2016	2:15:00 AM	Thursday	CAM RUIZ	CALLE CRISTOBAL	15	South	Other Visible Injury	1	0	0	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
3/5/2016	3:09:00 PM	Saturday	MIRA MESA BL	CARRINGTON DR	130	West	Severe Injury	3	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
3/8/2016	8:38:00 PM	Tuesday	BLACK MTN RD	CAPRICORN WY	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Broadside	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/8/2016	9:50:00 PM	Tuesday	BLACK MTN RD	CAPRICORN WY	18	South	Complaint of Pain	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/9/2016	10:45:00 AM	Wednesday	GOLD COAST DR	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0		Unknown	Other	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
3/9/2016	6:03:00 PM	Wednesday	BLACK MTN RD	MERCY RD	57	North	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/9/2016	6:48:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/10/2016	9:12:00 PM	Thursday	BLACK MTN RD	BABAUTA RD	44	South	Other Visible Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
3/11/2016	10:15:00 PM	Friday	WESTMORE RD	REAGAN RD	0	South	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
3/13/2016	4:06:00 PM	Sunday	ACAMA ST	MONTONGO ST	0	East	Complaint of Pain	1	0	0	Wrong Side of Road	Sideswipe	Bicycle	Not Stated	Bicyclist	Driver	Intersection	Bicyclist
3/14/2016	6:29:00 PM	Monday	FLANDERS DR	ADERMAN AV	0	Not Stated	Other Visible Injury	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/15/2016	11:24:00 AM	Tuesday	MIRA MESA BL	RICKERT RD	143	East	Other Visible Injury	1	0	1	Unsafe Speed	Not Stated	Train	No Pedestrian Involved	Driver		Approaching/Departing	
3/15/2016	3:26:00 PM	Tuesday	NEW SALEM ST	MIRA MESA BL	52	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/15/2016	9:15:00 PM	Tuesday	REAGAN RD	LAKEPORT RD	96	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/16/2016	2:09:00 PM	Wednesday	MIRA MESA BL	BLACK MTN RD	15	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/18/2016	8:00:00 AM	Friday	WESTONHILL DR	TAURUS PL	1	East	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/19/2016	5:14:00 PM	Saturday	CALLE CRISTOBAL	PRAIRIE WOOD DR	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/20/2016	11:10:00 PM	Sunday	NEW SALEM ST	NEW SALEM TR	78	West	Complaint of Pain	1	0	0	Unsafe Speed	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
3/21/2016	6:10:00 AM	Monday	MIRAMAR RD	I-15 SB OFF RA	0	Not Stated	Other Visible Injury	1	0	1	Improper Turning	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/21/2016	9:05:00 AM	Monday	GARDE CT	GARDE ST	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
3/21/2016	5:00:00 PM	Monday	CAPRICORN WY	PEGASUS AV	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
3/23/2016	6:56:00 PM	Wednesday	MIRAMAR RD	CABOT DR	0	East	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/23/2016	7:30:00 PM	Wednesday	MIRA MESA BL	I-15 NB OFF RA	220	West	Property Damage Only	0	0	1	Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/24/2016	5:10:00 PM	Thursday	PARKDALE AV	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
3/25/2016	5:54:00 PM	Friday	CAM RUIZ	FLANDERS DR	0	Not Stated	Complaint of Pain	1	0	0	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/25/2016	6:47:00 PM	Friday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Severe Injury	2	0	0	Auto R/W Violation	Hit Object	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/26/2016	1:22:00 AM	Saturday	MOREHOUSE DR	SCRANTON RD	315	East	Property Damage Only	0	0	0	Improper Turning	Not Stated	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	Driver
3/26/2016	2:00:00 PM	Saturday	CAPRICORN WY	POLARIS DR	40	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
3/27/2016	9:52:00 AM	Sunday	MAYA LINDA RD	GOLD COAST DR	100	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
3/27/2016	10:05:00 PM	Sunday	WESTCHESTER AV	FLANDERS DR	110	South	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
3/28/2016	10:59:00 AM	Monday	MIRA MESA BL	MONTONGO ST	0	Not Stated	Complaint of Pain	2	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/29/2016	11:01:00 AM	Tuesday	CAM RUIZ	JADE COAST DR	456	South	Severe Injury	2	0	0	Unsafe Speed	Vehicle - Pedestrian	Pedestrian	Not In Road	Driver	Pedestrian	Midblock	Driver
3/31/2016	7:02:00 AM	Thursday	CAM RUIZ	MIRALANI DR	50	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/4/2016	12:15:00 PM	Monday	MIRAMAR RD	CAM RUIZ	300	West	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/5/2016	3:55:00 PM	Tuesday	MIRA MESA BL	BLACK MTN RD	97	North	Property Damage Only	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/5/2016	6:14:00 PM	Tuesday	CARROLL CANYON RD	I-15 NB ON RA	54	East	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/6/2016	5:20:00 PM	Wednesday	CAM RUIZ	FLANDERS DR	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/7/2016	8:05:00 AM	Monday	MIRAMAR RD	KEARNY VILLA RD	30	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/7/2016	5:23:00 PM	Thursday	WESTVIEW PY	GALVIN AV	280	South	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/8/2016	5:37:00 AM	Friday	MIRA MESA BL	VIPER WY	0	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/8/2016	8:00:00 PM	Friday	MIRA MESA BL	ADERMAN AV	114	East	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/9/2016	2:59:00 AM	Saturday	KEARNY MESA RD	MIRAMAR RD	280	North	Other Visible Injury	1	0	1	Improper Turning	Not Stated	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
4/9/2016	1:30:00 PM	Saturday	DANCY RD	CLAUSER ST	40	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
4/9/2016	9:00:00 PM	Saturday	KIKA CT	MERCY RD	200	North	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
4/10/2016	12:30:00 AM	Sunday	WALLINGFORD RD	CHINON CR	36	South	Property Damage Only	0	0	0	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
4/11/2016	9:15:00 PM	Monday	CARROLL CANYON RD	I-15 SB OFF RA	0	Not Stated	Property Damage Only	0	0	0		Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/13/2016	5:05:00 PM	Wednesday	VISTA SORRENTO PY	MIRA SORRENTO PL	214	North	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/13/2016	5:35:00 PM	Wednesday	MIRA MESA BL	CAM RUIZ	0	East	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/14/2016	5:38:00 PM	Thursday	MIRAMAR RD	CABOT DR	0	Not Stated	Complaint of Pain	2	0	0	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/21/2016	10:57:00 AM	Thursday	MIRA MESA BL	NEW SALEM ST	130	West	Other Visible Injury	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/21/2016	4:30:00 PM	Thursday	CARROLL CANYON RD	MAYA LINDA RD	0	Not Stated	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
4/21/2016	6:56:00 PM	Thursday	MIRA MESA BL	PARKDALE AV	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/23/2016	6:01:00 PM	Saturday	AQUARIUS DR	MENKAR RD	0	Not Stated	Other Visible Injury	1	0	0	Improper Passing	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/24/2016	1:30:00 PM	Sunday	WESTVIEW PY	HILLERY DR	0	Not Stated	Complaint of Pain	1	0	0	Not Stated	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk Not At Intersection	Driver	Pedestrian	Intersection	Not Stated
4/25/2016	12:46:00 PM	Monday	MIRAMAR RD	CLAYTON DR	0	Not Stated	Other Visible Injury	3	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/25/2016	10:40:00 PM	Monday	DOWDY DR	SILVERTON AV	300	North	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
4/26/2016	7:10:00 PM	Tuesday	CAPRICORN WY	HAVERFIELD WY	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
4/27/2016	11:17:00 AM	Wednesday	MIRA MESA BL	RICKERT RD	20	West	Property Damage Only	0	0	1	Improper Turning	Hit Object	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/27/2016	3:00:00 PM	Wednesday	CARROLL CANYON RD	PACIFIC HEIGHTS BL	46	West	Complaint of Pain	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/28/2016	3:20:00 PM	Thursday	BLACK MTN RD	CARROLL CENTRE RD	292	North	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/28/2016	11:22:00 PM	Thursday	MIRA MESA BL	I-805 SB ON RA	77	East	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/29/2016	6:20:00 AM	Friday	MIRA MESA BL	SEQUENCE DR	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/30/2016	11:31:00 PM	Saturday	HYADES WY	GEMINI AV	216	North	Property Damage Only	0	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/2/2016	1:59:00 AM	Monday	MIRA MESA BL	GREENFORD DR	288	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	Driver
5/2/2016	4:00:00 AM	Monday	CAPRICORN WY	SAGITTARIUS RD	9	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/2/2016	8:39:00 AM	Monday	MIRAMAR RD	CARROLL RD	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/2/2016	5:12:00 PM	Monday	BLACK MTN RD	MAYA LINDA RD	188	North	Property Damage Only	0	0		Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Not Stated
5/3/2016	8:15:00 AM	Tuesday	MIRAMAR RD	CARROLL RD	0	North	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/3/2016	11:20:00 AM	Tuesday	MIRA MESA BL	NEW SALEM ST	50	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/4/2016	7:50:00 PM	Wednesday	SCRANTON RD	MIRA SORRENTO PL	11	South	Other Visible Injury	1	0	1	Pedestrian Violation	Sideswipe	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Driver
5/6/2016	9:00:00 AM	Friday	DANCY RD	ADCOCK LN	50	West	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Pedestrian	In Road	Driver	Pedestrian	Intersection	Pedestrian
5/6/2016	11:25:00 AM	Friday	CAM RUIZ	NEW SALEM ST	300	South	Complaint of Pain	2	0	0	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/6/2016	10:44:00 PM	Friday	MIRA MESA BL	BLACK MTN RD	120	East	Severe Injury	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Driver	Pedestrian	Approaching/Departing	Driver
5/7/2016	2:46:00 PM	Saturday	MIRA MESA BL	LUSK BL	20	South	Other Visible Injury	1	0	1	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/11/2016	10:57:00 AM	Wednesday	MIRA MESA BL	WESTVIEW PY	408	West	Property Damage Only	0	0	1	Improper Passing	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
5/11/2016	2:40:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	0	West	Complaint of Pain	2	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/12/2016	6:50:00 PM	Thursday	MIRAMAR RD	DISTRIBUTION AV	25	East	Other Visible Injury	2	0	0	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/12/2016	8:05:00 PM	Thursday	NEW SALEM ST	NEW SALEM CT	9	West	Other Visible Injury	1	0	1	Other Hazardous Movement	Overturned	Fixed Object	No Pedestrian Involved	Driver		Intersection	
5/12/2016	10:58:00 PM	Thursday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	2	0	0	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/15/2016	5:20:00 PM	Sunday	BLACK MTN RD	BABAUTA RD	45	East	Other Visible Injury	1	0	1	Improper Turning	Head-On	Fixed Object	No Pedestrian Involved	Driver	Other	Intersection	Other
5/15/2016	8:36:00 PM	Sunday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/16/2016	3:15:00 PM	Monday	REAGAN RD	WESTMORE RD	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
5/16/2016	8:13:00 PM	Monday	MIRAMAR RD	BLACK MTN RD	43	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/17/2016	11:06:00 AM	Tuesday	WESTCHESTER AV	FLANDERS DR	16	South	Other Visible Injury	1	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
5/19/2016	9:15:00 AM	Thursday	MIRA MESA BL	I-15 SB OFF RA	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/19/2016	10:10:00 PM	Thursday	WESTVIEW PY	MARKETCENTER DY	0	Not Stated	Other Visible Injury	1	0	0	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Pedestrian
5/20/2016	3:23:00 PM	Friday	MIRA MESA BL	SCHILLING AV	16	East	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/21/2016	9:10:00 AM	Saturday	HEMPHILL DR	HEMPHILL WY	16	East	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/21/2016	12:30:00 PM	Saturday	NEW SALEM ST	MIRA MESA BL	168	North	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Bicyclist	Approaching/Departing	Bicyclist
5/22/2016	3:28:00 AM	Sunday	ACTIVITY RD	BLACK MTN RD	200	West	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
5/22/2016	1:12:00 PM	Sunday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
5/23/2016	6:50:00 PM	Monday	CAM RUIZ	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	1	0	0	Unsafe Starting or Backing	Rear-End	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/24/2016	10:09:00 AM	Tuesday	COMMERCE AV	MIRAMAR RD	0	Not Stated	Complaint of Pain	1	0	0	Unsafe Speed	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/25/2016	6:49:00 AM	Wednesday	CARROLL CANYON RD	I-15 SB OFF RA	0	Not Stated	Complaint of Pain	1	0	0	Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
5/26/2016	8:30:00 AM	Thursday	BLACK MTN RD	BABAUTA RD	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
5/26/2016	9:15:00 AM	Thursday	OSOYOOS PL	BOOTES ST	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/26/2016	9:20:00 AM	Thursday	FLANDERS DR	MESA RIM RD	0	Not Stated	Property Damage Only	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/27/2016	3:24:00 PM	Friday	FLANDERS DR	CAM SANTA FE	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/28/2016	10:15:00 AM	Saturday	MIRA MESA BL	VIPER WY	0	Not Stated	Complaint of Pain	1	0	0		Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/29/2016	12:01:00 AM	Sunday	MIRAMAR RD	CLAYTON DR	42	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/29/2016	4:15:00 PM	Sunday	BLACK MTN RD	MERCY RD	0	North	Complaint of Pain	1	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/30/2016	3:13:00 AM	Monday	MIRA MESA BL	DABNEY DR	400	West	Complaint of Pain	1	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	Driver
5/30/2016	10:14:00 PM	Monday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/4/2016	8:09:00 AM	Saturday	MIRA MESA BL	RICKERT RD	10	South	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/4/2016	6:40:00 PM	Saturday	MAYA LINDA RD	CARROLL CANYON RD	390	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
6/5/2016	7:17:00 PM	Sunday	WESTONHILL DR	WESTMORE RD	4	South	Complaint of Pain	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Pedestrian	Driver	Intersection	Driver
6/8/2016	8:12:00 AM	Wednesday	CAM SANTA FE	TRADE ST	140	South	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/8/2016	2:25:00 PM	Wednesday	MIRA MESA BL	VIPER WY	0	Not Stated	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/9/2016	5:30:00 PM	Thursday	CAM RUIZ	REAGAN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
6/9/2016	5:45:00 PM	Thursday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	1	Other Hazardous Movement	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/9/2016	6:15:00 PM	Thursday	MIRAMAR RD	CAM RUIZ	0	East	Complaint of Pain	1	0	1	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/10/2016	5:00:00 AM	Friday	MIRA MESA BL	LUSK BL	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/10/2016	4:45:00 PM	Friday	WESTONHILL DR	LIBRA DR	3	North	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/10/2016	4:55:00 PM	Friday	CAM RUIZ	NEW SALEM ST	441	South	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
6/11/2016	1:50:00 AM	Saturday	KEARNY VILLA RD	MIRAMAR RD	170	South	Property Damage Only	0	0	1	Improper Turning	Hit Object	Not Stated	No Pedestrian Involved	Driver		Approaching/Departing	
6/11/2016	10:30:00 PM	Saturday	BLACK MTN RD	HILLERY DR	20	North	Property Damage Only	0	0	1	Driving Under Influence	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/13/2016	6:17:00 AM	Monday	CAM RUIZ	REAGAN RD	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/13/2016	5:00:00 PM	Monday	CALLE CRISTOBAL	PRAIRIE WOOD DR	28	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/15/2016	4:00:00 PM	Wednesday	DOWDY DR	MIRAMAR RD	20	North	Other Visible Injury	1	0	0	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Driver
6/15/2016	4:54:00 PM	Wednesday	HILLERY DR	MARBURY AV	13	West	Other Visible Injury	1	0	0	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/17/2016		Friday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Property Damage Only	0	0	1	Other Hazardous Movement	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/17/2016	12:57:00 AM	Friday	MAYA LINDA RD	CARROLL CANYON RD	8	East	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
6/17/2016	12:57:00 AM	Friday	MAYA LINDA RD	CARROLL CANYON RD	8	East	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
6/18/2016	8:30:00 PM	Saturday	MIRAMAR RD	KEARNY VILLA RD	66	East	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/19/2016	11:35:00 PM	Sunday	CALLE CRISTOBAL	CAM RUIZ	0	South	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	Not Stated	Driver		Intersection	
6/20/2016	12:18:00 AM	Monday	OBERLIN DR	MIRA MESA BL	6	South	Property Damage Only	0	0	1	Wrong Side of Road	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/20/2016	7:30:00 PM	Monday	MIRAMAR RD	I-15 SB OFF RA	0	North	Property Damage Only	0	0	1	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/21/2016	1:24:00 PM	Tuesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/23/2016	9:10:00 AM	Thursday	MERCY RD	ALEMANIA RD	90	West	Property Damage Only	0	0	1	Unsafe Starting or Backing	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
6/23/2016	6:15:00 PM	Thursday	TRADE ST	CAM SANTA FE	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
6/24/2016	4:40:00 PM	Friday	MIRA MESA BL	WESTVIEW PY	0	East	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/24/2016	5:49:00 PM	Friday	BLACK MTN RD	HILLERY DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
6/24/2016	6:26:00 PM	Friday	CAM RUIZ	MIRAMAR RD	0	Not Stated	Complaint of Pain	3	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/25/2016	7:54:00 PM	Saturday	BLACK MTN RD	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/29/2016	1:13:00 PM	Wednesday	MIRA MESA BL	MARBURY AV	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/29/2016	11:43:00 PM	Wednesday	ACTIVITY RD	CAM RUIZ	630	East	Complaint of Pain	1	0	0	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
6/30/2016	7:20:00 PM	Thursday	HILLERY DR	GREENFORD DR	40	West	Severe Injury	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Driver
7/1/2016	5:30:00 PM	Friday	BLACK MTN RD	MAYA LINDA RD	0	Not Stated	Property Damage Only	0	0	0		Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
7/1/2016	6:55:00 PM	Friday	MIRA MESA BL	WESTVIEW PY	120	West	Property Damage Only	0	0	1	Unsafe Lane Change	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
7/2/2016	6:30:00 PM	Saturday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Property Damage Only	0	0	1	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
7/4/2016	10:00:00 AM	Monday	MIRA MESA BL	NEW SALEM ST	5	East	Property Damage Only	0	0	1	Unsafe Starting or Backing	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
7/4/2016	2:36:00 PM	Monday	CALICO ST	REAGAN RD	0	Not Stated	Property Damage Only	0	0	1	Other Hazardous Movement	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/5/2016	10:40:00 AM	Tuesday	CAM SANTA FE	CARROLL RD	0	Not Stated	Property Damage Only	0	0	0	Unknown	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
7/5/2016	4:45:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
7/6/2016	9:34:00 AM	Wednesday	MIRA MESA BL	PACIFIC HEIGHTS BL	352	West	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
7/6/2016	5:58:00 PM	Wednesday	SUMMERDALE RD	WESTMORE RD	102	North	Property Damage Only	0	0	0	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
7/6/2016	7:00:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	1	0	0	Not Stated	Sideswipe	Bicycle	Not Stated	Driver	Bicyclist	Intersection	Driver
7/7/2016	8:40:00 AM	Thursday	WAPLES CT	HUENNEKENS ST	144	West	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
7/7/2016	10:56:00 AM	Thursday	MIRAMAR RD	CABOT DR	350	East	Complaint of Pain	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
7/8/2016	6:30:00 PM	Friday	GOLD COAST DR	BLACK MTN RD	655	East	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
7/9/2016	6:59:00 AM	Saturday	CAM RUIZ	MIRA MESA BL	75	East	Other Visible Injury	1	0	1	Impeding Traffic	Head-On	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
7/9/2016	2:00:00 PM	Saturday	MIRA MESA BL	I-15 SB OFF RA	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/10/2016	11:00:00 AM	Sunday	SORRENTO VALLEY BL	CAM SANTA FE	0	Not Stated	Other Visible Injury	2	0	0	Auto R/W Violation	Head-On	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver
7/13/2016	10:43:00 AM	Wednesday	MIRAMAR RD	CAM RUIZ	450	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
7/13/2016	9:27:00 PM	Wednesday	TOP GUN ST	COBRA WY	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/14/2016	2:09:00 PM	Thursday	MIRA MESA BL	VISTA SORRENTO PY	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/15/2016	4:05:00 PM	Friday	TRADE ST	CARROLL WY	36	West	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
7/15/2016	7:18:00 PM	Friday	GOLD COAST DR	BLACK MTN RD	0	Not Stated	Other Visible Injury	1	0	1	Unsafe Starting or Backing	Head-On	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
7/16/2016	5:00:00 PM	Saturday	KENAMAR DR	KENAMAR CT	73	South	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
7/16/2016	5:25:00 PM	Saturday	CAM RUIZ	TERESA DR	8	East	Other Visible Injury	1	0	1	Unsafe Speed	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
7/18/2016	5:20:00 PM	Monday	CARROLL CANYON RD	I-15 SB ON RA	0	Not Stated	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/21/2016	8:55:00 AM	Thursday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Other Visible Injury	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/21/2016	9:30:00 AM	Thursday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Complaint of Pain	3	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/22/2016	1:34:00 AM	Friday	BLACK MTN RD	WESTVIEW PY	210	South	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
7/22/2016	7:40:00 AM	Friday	MIRA MESA BL	HUENNEKENS ST	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/22/2016	10:14:00 PM	Friday	CAM RUIZ	REAGAN RD	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/23/2016	9:11:00 PM	Saturday	NEW SALEM ST	REAGAN RD (W)	100	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
7/24/2016	1:55:00 PM	Sunday	MIRA MESA BL	CAM RUIZ	350	West	Property Damage Only	0	0	0	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
7/25/2016	7:19:00 AM	Monday	MIRAMAR RD	PRODUCTION AV	0	Not Stated	Complaint of Pain	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/25/2016	11:54:00 AM	Monday	WESTVIEW PY	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Vehicle - Pedestrian	Pedestrian	In Road	Driver	Pedestrian	Intersection	Pedestrian
7/25/2016	5:27:00 PM	Monday	MIRA MESA BL	REAGAN RD (W)	20	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/27/2016	8:30:00 AM	Wednesday	ACTIVITY RD	CLAYTON DR	3	West	Property Damage Only	0	0	0	Improper Turning	Other	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
7/28/2016	11:00:00 AM	Thursday	BLACK MTN RD	MERCY RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
7/29/2016	10:10:00 AM	Friday	MIRAMAR RD	DOWDY DR	240	West	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
7/31/2016	10:00:00 PM	Sunday	CARROLL CENTRE RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Broadside	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/1/2016	2:56:00 PM	Monday	WESTVIEW PY	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
8/2/2016	6:20:00 PM	Tuesday	MIRAMAR RD	KEARNY VILLA RD	114	West	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/3/2016	8:05:00 AM	Wednesday	MIRAMAR RD	DISTRIBUTION AV	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/3/2016	5:30:00 PM	Wednesday	CAM SANTA FE	CARROLL RD	120	North	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/5/2016	10:48:00 AM	Friday	CAM RUIZ	JADE COAST RD	225	North	Other Visible Injury	1	0	0	Unknown	Overturned	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Not Stated
8/5/2016	3:15:00 PM	Friday	MIRA MESA BL	ADERMAN AV	0	Not Stated	Complaint of Pain	2	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/5/2016	9:18:00 PM	Friday	MIRAMAR RD	KEARNY VILLA RD	155	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/6/2016	8:39:00 AM	Saturday	AVNDA DEL GATO	ZAPATA AV	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
8/6/2016	11:30:00 PM	Saturday	BLACK MTN RD	CARROLL CANYON RD	50	West	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/7/2016	12:10:00 AM	Sunday	SCRIPPS POWAY PY	I-15 NB OFF RA	0	Not Stated	Complaint of Pain	3	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/8/2016	4:25:00 PM	Monday	ACTIVITY RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0		Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/9/2016	2:55:00 PM	Tuesday	CAM RUIZ	MIRA MESA BL	30	North	Property Damage Only	0	0	0	Unsafe Starting or Backing	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/9/2016	2:55:00 PM	Tuesday	CAM RUIZ	MIRA MESA BL	30	North	Property Damage Only	0	0	0	Unsafe Starting or Backing	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/9/2016	10:45:00 PM	Tuesday	MIRA MESA BL	NEW SALEM ST	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/10/2016	9:25:00 AM	Wednesday	SORRENTO VALLEY BL	WHISPERING HEIGHTS LN	270	East	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Bicyclist	Parked Vehicle	Approaching/Departing	Parked Vehicle
8/11/2016	3:20:00 AM	Thursday	CAMTO WESTCHESTER	FLANDERS DR	0	Not Stated	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/11/2016	4:30:00 AM	Thursday	MIRA MESA BL	WESTVIEW PY	0	South	Other Visible Injury	3	0	1	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/11/2016	6:05:00 PM	Thursday	SCRIPPS POWAY PY	I-15 NB ON RA	0	Not Stated	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/13/2016	2:41:00 AM	Saturday	CAM RUIZ	CARROLL CANYON RD	0	East	Property Damage Only	0	0	0	Improper Turning	Other	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
8/13/2016	2:41:00 AM	Saturday	CAM RUIZ	CARROLL CANYON RD	0	East	Property Damage Only	0	0	0	Improper Turning	Other	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
8/14/2016	8:15:00 AM	Sunday	CORVUS PL	SIRIAS RD	200	East	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
8/15/2016	3:30:00 AM	Monday	PARKDALE AV	GOLD COAST DR	40	South	Property Damage Only	0	0	1	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/16/2016	3:41:00 PM	Tuesday	CARROLL RD	WARE CT	15	North	Property Damage Only	0	0	1	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/16/2016	4:14:00 PM	Tuesday	NEW SALEM ST	NEW SALEM PT	42	East	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/16/2016	6:20:00 PM	Tuesday	CAM RUIZ	MIRAMAR RD	4	North	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/17/2016	6:05:00 AM	Wednesday	ADERMAN AV	DANCY RD	185	South	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
8/17/2016	10:44:00 AM	Wednesday	DISTRIBUTION AV	MIRAMAR RD	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/18/2016	12:30:00 PM	Thursday	MIRA MESA BL	HUENNEKENS ST	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/20/2016	6:04:00 PM	Saturday	MIRAMAR RD	CABOT DR	0	East	Other Visible Injury	0	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/20/2016	9:38:00 PM	Saturday	MIRAMAR RD	CAM RUIZ	59	West	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/21/2016	12:57:00 AM	Sunday	ZAPATA AV	CAM RUIZ	26	North	Fatal	3	1	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/21/2016	11:15:00 PM	Sunday	GOLD COAST DR	THANKSGIVING LN	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/22/2016	4:30:00 PM	Monday	JAGROSS CT	NALCO ST	15	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/22/2016	10:02:00 PM	Monday	CAM RUIZ	GOLD COAST DR	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/23/2016	2:04:00 AM	Tuesday	MIRA MESA BL	VISTA SORRENTO PY	0	Not Stated	Severe Injury	2	0	0	Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
8/24/2016	11:17:00 AM	Wednesday	PACIFIC HEIGHTS BL	PACIFIC MESA BL	60	West	Property Damage Only	0	0	1	Not Stated	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
8/24/2016	8:41:00 PM	Wednesday	CALLE CRISTOBAL	CAMTO PROPICO	200	South	Complaint of Pain	1	0	1	Unsafe Starting or Backing	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/24/2016	11:40:00 PM	Wednesday	WESTONHILL DR	CAPRICORN WY	0	Not Stated	Complaint of Pain	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/25/2016	7:08:00 PM	Thursday	CAM RUIZ	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
8/26/2016	8:25:00 AM	Friday	HILLERY DR	WESTVIEW PY	104	East	Property Damage Only	1	0	1	Unsafe Speed	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/26/2016	8:29:00 AM	Friday	GREENFORD DR	STANWELL ST	0	Not Stated	Other Visible Injury	1	0	1	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/26/2016	10:29:00 AM	Friday	REAGAN RD	CAM RUIZ	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/26/2016	4:58:00 PM	Friday	MIRA MESA BL	I-805 SB ON RA	50	West	Severe Injury	1	0	1	Improper Turning	Vehicle - Pedestrian	Bicycle	In Road	Bicyclist	Driver	Intersection	Driver
8/27/2016	12:01:00 PM	Saturday	MIRAMAR RD	BLACK MTN RD	210	West	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/27/2016	6:55:00 PM	Saturday	MIRA MESA BL	NEW SALEM ST	200	West	Other Visible Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
8/28/2016	6:25:00 PM	Sunday	CAM RUIZ	TERESA DR	0	Not Stated	Complaint of Pain	1	0	0	Traffic Signals and Signs	Overturned	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/29/2016	6:42:00 PM	Monday	VISTA SORRENTO PY	MIRA SORRENTO PL	0	Not Stated	Other Visible Injury	3	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/29/2016	9:45:00 PM	Monday	BLACK MTN RD	MIRA MESA BL	300	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/30/2016	10:17:00 PM	Tuesday	BLACK MTN RD	GEMINI AV	0	Not Stated	Complaint of Pain	1	0	1	Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
8/31/2016	12:54:00 PM	Wednesday	MIRAMAR RD	DISTRIBUTION AV	80	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
8/31/2016	4:25:00 PM	Wednesday	MIRA MESA BL	CAM RUIZ	0	West	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Bicycle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/31/2016	9:00:00 PM	Wednesday	CARROLL CANYON RD	CAMTO VOLAR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
9/2/2016	8:35:00 PM	Friday	MIRAMAR RD	CARROLL RD	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/3/2016	6:25:00 PM	Saturday	CAM RUIZ	MIRALANI DR	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/4/2016	3:24:00 AM	Sunday	I-15 NB	SCRIPPS POWAY PY	0	Not Stated	Other Visible Injury	1	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
9/4/2016	4:28:00 PM	Sunday	CAM SANTA FE	MIRAMAR RD	69	North	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
9/7/2016	2:45:00 PM	Wednesday	CAM RUIZ	WESTMORE RD	501	North	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
9/8/2016	12:26:00 AM	Thursday	CAM SANTA FE	TOP GUN ST	0	North	Property Damage Only	0	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
9/8/2016	5:56:00 AM	Thursday	MIRA MESA BL	BLACK MTN RD	20	East	Property Damage Only	0	0	1	Following Too Closely		Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/8/2016	5:56:00 AM	Thursday	MIRA MESA BL	BLACK MTN RD	25	East	Property Damage Only	0	0	1	Following Too Closely	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/8/2016	10:47:00 AM	Thursday	WESTVIEW PY	MIRA MESA BL	61	North	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/8/2016	1:00:00 PM	Thursday	MIRA MESA BL	SCRANTON RD	20	West	Complaint of Pain	2	0	0	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/8/2016	5:35:00 PM	Thursday	BLACK MTN RD	GOLD COAST DR	324	North	Other Visible Injury	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
9/9/2016	3:19:00 PM	Friday	FLANDERS DR	PARKDALE AV	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/9/2016	7:15:00 PM	Friday	BLACK MTN RD	GOLD COAST DR	0	Not Stated	Other Visible Injury	0	0	1	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
9/9/2016	11:30:00 PM	Friday	CAPRICORN WY	ORION WY	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
9/10/2016	12:30:00 AM	Saturday	MAYA LINDA RD	MESA SPRINGS WY	7	West	Other Visible Injury	1	0	0	Improper Turning	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
9/11/2016	2:49:00 PM	Sunday	MIRAMAR RD	CLAYTON DR	400	West	Property Damage Only	0	0	1	Unsafe Starting or Backing	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
9/11/2016	5:39:00 PM	Sunday	ACTIVITY RD	CAM RUIZ	400	East	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
9/13/2016	3:35:00 PM	Tuesday	BLACK MTN RD	CAPRICORN WY	75	West	Complaint of Pain	1	0	0	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/13/2016	4:50:00 PM	Tuesday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
9/15/2016	7:10:00 AM	Thursday	REAGAN RD	BARON LN	22	North	Complaint of Pain	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Driver	Pedestrian	Intersection	Pedestrian
9/15/2016	4:50:00 PM	Thursday	MIRA MESA BL	REAGAN RD (W)	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
9/15/2016	5:40:00 PM	Thursday	ARCTURUS WY	SQUAMISH RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Not Stated
9/16/2016	7:25:00 AM	Friday	MIRA MESA BL	REAGAN RD (W)	700	East	Complaint of Pain	3	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
9/16/2016	1:16:00 PM	Friday	CAM RUIZ	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/16/2016	3:15:00 PM	Friday	LUSK BL	PACIFIC CENTER BL	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/17/2016	4:11:00 PM	Saturday	MIRAMAR RD	DOWDY DR	162	East	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
9/17/2016	6:30:00 PM	Saturday	MIRA MESA BL	CAM RUIZ	350	East	Property Damage Only	0	0	1	Other Hazardous Movement	Sideswipe	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Midblock	Driver
9/18/2016	11:30:00 AM	Sunday	BLACK MTN RD	MIRAMAR RD	168	North	Property Damage Only	0	0	0	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
9/18/2016	5:45:00 PM	Sunday	MIRA MESA BL	MARBURY AV	12	East	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/18/2016	6:20:00 PM	Sunday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/19/2016	3:40:00 PM	Monday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
9/19/2016	4:05:00 PM	Monday	MERCY RD	KIKA CT	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/20/2016	8:35:00 PM	Tuesday	CAM SANTA FE	TRADE ST	0	North	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
9/21/2016	6:00:00 AM	Wednesday	LUSK BL	MIRA MESA BL	20	East	Other Visible Injury	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Driver
9/21/2016	7:35:00 AM	Wednesday	PORT ROYALE DR	PARKDALE AV	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
9/21/2016	8:26:00 PM	Wednesday	MIRAMAR RD	KEARNY MESA RD	14	North	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/22/2016	12:17:00 AM	Thursday	CAPRICORN WY	SAGITTARIUS RD	81	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
9/23/2016	5:20:00 PM	Friday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/25/2016	3:30:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	25	North	Property Damage Only	1	0	1	Other	Not Stated	Not Stated	Not Stated	Driver	Bicyclist	Intersection	Bicyclist
9/26/2016	4:30:00 PM	Monday	MIRA MESA BL	WESTVIEW PY	250	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
9/26/2016	4:45:00 PM	Monday	MIRA MESA BL	PACIFIC HEIGHTS BL	972	East	Severe Injury	2	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
9/27/2016	7:49:00 AM	Tuesday	MIRAMAR RD	PRODUCTION AV	30	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/27/2016	9:35:00 PM	Tuesday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver		Intersection	Driver
9/29/2016	8:55:00 AM	Thursday	MIRAMAR RD	CLAYTON DR	0	Not Stated	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/29/2016	11:50:00 AM	Thursday	WESTMORE RD	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	1	Other Hazardous Movement	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/29/2016	10:50:00 PM	Thursday	PACIFIC HEIGHTS BL	CORNERSTONE CT	148	North	Other Visible Injury	1	0	0	Unsafe Lane Change	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
10/3/2016	7:00:00 PM	Monday	MIRA MESA BL	WESTVIEW PY	500	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
10/4/2016	2:10:00 PM	Tuesday	WESTVIEW PY	GALVIN AV	171	North	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
10/5/2016	7:30:00 AM	Wednesday	MENKAR RD	WESTONHILL DR	112	West	Property Damage Only	0	0	0	Unsafe Speed	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
10/5/2016	8:02:00 PM	Wednesday	VISTA SORRENTO PY	MIRA SORRENTO PL	0	Not Stated	Property Damage Only	0	0	0	Traffic Signals and Signs	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/6/2016	8:27:00 AM	Thursday	GOLD COAST DR	WESTONHILL DR	75	West	Complaint of Pain	1	0	0	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/6/2016	1:50:00 PM	Thursday	MIRAMAR RD	CABOT DR	30	West	Fatal	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/7/2016	5:15:00 PM	Friday	CARROLL CANYON RD	NANCY RIDGE DR	0	Not Stated	Other Visible Injury	3	0	1	Traffic Signals and Signs	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/7/2016	10:20:00 PM	Friday	COVINA PL	COVINA ST	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Vehicle - Pedestrian	Pedestrian	In Road	Driver	Pedestrian	Intersection	Pedestrian
10/8/2016	7:53:00 AM	Saturday	SEQUENCE DR	MIRA MESA BL	500	North	Property Damage Only	0	0	1	Improper Turning	Head-On	Fixed Object	No Pedestrian Involved	Driver		Midblock	
10/10/2016	4:16:00 AM	Monday	BOOTES ST	CENTAURUS WY	5	West	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
10/11/2016	12:25:00 AM	Tuesday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Property Damage Only	1	0	0	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
10/12/2016		Wednesday	BLACK MTN RD	GEMINI AV	9	West	Other Visible Injury	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
10/13/2016	9:38:00 AM	Thursday	I-15 SB OFF RA	MIRAMAR RD	25	North	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved			Intersection	
10/13/2016	9:38:00 AM	Thursday	I-15 SB OFF RA	MIRAMAR RD	25	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved			Intersection	
10/13/2016	2:50:00 PM	Thursday	MIRAMAR RD	DISTRIBUTION AV	1	East	Other Visible Injury	1	0	0	Auto R/W Violation	Hit Object	Other Motor Vehicle	No Pedestrian Involved			Intersection	
10/13/2016	10:38:00 PM	Thursday	WESTVIEW PY	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Pedestrian Violation	Hit Object	Bicycle	No Pedestrian Involved			Intersection	
10/15/2016	1:40:00 PM	Saturday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0	0	Pedestrian Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved			Intersection	
10/15/2016	9:42:00 PM	Saturday	MIRA MESA BL	LUSK BL	0	Not Stated	Other Visible Injury	3	0		Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved			Intersection	Not Stated
10/17/2016	11:35:00 AM	Monday	MIRA MESA BL	WESTMORE RD	150	East	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Bicycle	No Pedestrian Involved			Approaching/Departing	

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
10/18/2016	11:10:00 AM	Tuesday	GEMINI AV	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/18/2016	4:58:00 PM	Tuesday	BLACK MTN RD	GEMINI AV	0	Not Stated	Other Visible Injury	3	0	1	Traffic Signals and Signs	Head-On	Other Motor Vehicle	No Pedestrian Involved			Intersection	
10/19/2016	2:20:00 PM	Wednesday	MIRAMAR RD	CABOT DR	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/20/2016	9:22:00 AM	Thursday	MIRA MESA BL	GENETIC CENTER DR	290	East	Other Visible Injury	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved			Approaching/Departing	
10/20/2016	1:01:00 PM	Thursday	WESTVIEW PY	MARKETCENTER DY	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Broadside	Bicycle	No Pedestrian Involved			Intersection	
10/21/2016	1:05:00 PM	Friday	MIRAMAR RD	DISTRIBUTION AV	1	South	Other Visible Injury	1	0	1	Wrong Side of Road	Broadside	Bicycle	No Pedestrian Involved			Intersection	
10/22/2016	12:20:00 PM	Saturday	MIRA MESA BL	WESTVIEW PY	550	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved			Midblock	
10/22/2016	6:07:00 PM	Saturday	MIRA MESA BL	SCRANTON RD	7	West	Complaint of Pain	1	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved			Intersection	
10/22/2016	8:15:00 PM	Saturday	MIRA MESA BL	VISTA SORRENTO PY	0	Not Stated	Other Visible Injury	9	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved			Intersection	
10/25/2016	2:48:00 AM	Tuesday	MIRA MESA BL	BLACK MTN RD	33	West	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/25/2016	9:27:00 PM	Tuesday	MIRA MESA BL	BLACK MTN RD	100	West	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
10/26/2016	8:30:00 AM	Wednesday	MIRA MESA BL	CAM SANTA FE	0	Not Stated	Other Visible Injury	1	0	1	Other Hazardous Movement	Overturned	Non-Collision	No Pedestrian Involved	Driver		Intersection	
10/27/2016	6:00:00 PM	Thursday	REAGAN RD	LAKEPORT RD	50	North	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
10/28/2016	9:49:00 AM	Friday	BLACK MTN RD	MERCY RD	19	South	Complaint of Pain	1	0	0	Other Than Driver	Hit Object	Non-Collision	No Pedestrian Involved	Driver		Intersection	Not Stated
10/29/2016	4:20:00 AM	Saturday	FLANDERS DR	CHEVIOT CT	39	South	Property Damage Only	0	0	1	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
10/30/2016	1:39:00 AM	Sunday	ERMA RD	SCRIPPS WESTVIEW WY	0	South	Other Visible Injury	1	0	1	Driving Under Influence	Other	Other Object	No Pedestrian Involved	Driver		Intersection	
10/30/2016	8:11:00 PM	Sunday	MIRA MESA BL	WESTMORE RD	252	West	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/1/2016	12:45:00 PM	Tuesday	MIRAMAR RD	CLAYTON DR	0	Not Stated	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/1/2016	9:42:00 PM	Tuesday	MIRA MESA BL	BLACK MTN RD	180	East	Other Visible Injury	3	0	1	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/2/2016	9:30:00 AM	Wednesday	PACIFIC HEIGHTS BL	CORNERSTONE CT	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/3/2016	1:13:00 PM	Thursday	MIRAMAR RD	PADGETT ST	3	West	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Fixed Object	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/3/2016	7:15:00 PM	Thursday	WESTONHILL DR	AQUARIUS DR	15	North	Complaint of Pain	3	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/4/2016	8:35:00 AM	Friday	KEARNY VILLA RD	MIRAMAR RD	240	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/4/2016	4:00:00 PM	Friday	MIRA MESA BL	MARBURY AV	347	West	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/4/2016	8:00:00 PM	Friday	MIRA MESA BL	NEW SALEM ST	240	East	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/4/2016	8:30:00 PM	Friday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/5/2016	1:15:00 AM	Saturday	FLANDERS DR	DARDEN RD	50	East	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
11/5/2016	11:45:00 AM	Saturday	CAM RUIZ	NEW SALEM ST	10	South	Other Visible Injury	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/5/2016	7:15:00 PM	Saturday	MIRA MESA BL	VIPER WY	0	Not Stated	Complaint of Pain	2	0	0	Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
11/6/2016	12:20:00 AM	Sunday	CAM RUIZ	WESTMORE RD	0	North	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/6/2016	10:38:00 PM	Sunday	CAM SANTA FE	FLANDERS DR	32	East	Complaint of Pain	4	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/6/2016	11:10:00 PM	Sunday	CALLE CRISTOBAL	ACAMA CT	57	East	Other Visible Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
11/7/2016	4:30:00 PM	Monday	MIRA MESA BL	LUSK BL	500	East	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
11/8/2016	10:45:00 PM	Tuesday	GOLD COAST DR	SALUDA AV	178	West	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
11/9/2016	1:50:00 PM	Wednesday	DISTRIBUTION AV	MIRAMAR RD	790	North	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
11/10/2016	7:17:00 AM	Thursday	BLACK MTN RD	MIRA MESA BL	108	South	Other Visible Injury	1	0	1	Unsafe Speed	Overturned	Non-Collision	No Pedestrian Involved	Bicyclist		Approaching/Departing	
11/12/2016	3:42:00 PM	Saturday	BLACK MTN RD	HILLERY DR	0	Not Stated	Other Visible Injury	1	0	0	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/12/2016	8:54:00 PM	Saturday	MIRAMAR RD	PADGETT ST	31	South	Property Damage Only	0	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/12/2016	9:11:00 PM	Saturday	MIRAMAR RD	PADGETT ST	54	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/14/2016	5:08:00 PM	Monday	CAPRICORN WY	HAVERFIELD WY	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/15/2016	2:09:00 PM	Tuesday	GOLD COAST DR	MAYA LINDA RD	110	West	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/15/2016	7:59:00 PM	Tuesday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Other Visible Injury	2	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/16/2016	9:26:00 AM	Wednesday	CAPRICORN WY	GANESTA RD	0	West	Complaint of Pain	1	0	0	Unsafe Speed	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Driver
11/17/2016	8:50:00 PM	Thursday	STROMESA CT	DOWDY DR	110	North	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
11/18/2016	9:33:00 AM	Friday	MIRA MESA BL	MARBURY AV	348	East	Property Damage Only	0	0	0	Other Hazardous Movement	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/21/2016	5:00:00 AM	Monday	FLANDERS DR	DANCY RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
11/21/2016	8:10:00 PM	Monday	CAM RUIZ	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/22/2016	7:02:00 AM	Tuesday	CAM RUIZ	MIRALANI DR	231	West	Other Visible Injury	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/22/2016	5:45:00 PM	Tuesday	CAM RUIZ	JADE COAST DR	0	Not Stated	Property Damage Only	1	0	0	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/23/2016	1:30:00 AM	Wednesday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/24/2016	10:39:00 AM	Thursday	BLACK MTN RD	GEMINI AV	21	North	Other Visible Injury	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/24/2016	10:50:00 AM	Thursday	MIRA MESA BL	TARGET DY	0	Not Stated	Other Visible Injury	3	0	0		Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/24/2016	5:15:00 PM	Thursday	BLACK MTN RD	GOLD COAST DR	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/24/2016	9:00:00 PM	Thursday	BENDIGO RD	PARKDALE AV	198	East	Property Damage Only	0	0	0	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
11/25/2016	11:16:00 PM	Friday	CALLE CRISTOBAL	BRENNER SPRINGS WY	0	West	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/26/2016	10:10:00 PM	Saturday	KEARNY VILLA RD	KEARNY MESA RD	1	South	Complaint of Pain	1	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
11/27/2016	5:40:00 AM	Sunday	MIRA MESA BL	NEW SALEM ST	96	East	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
11/27/2016	2:45:00 PM	Sunday	WESTVIEW PY	MIRA MESA BL	0	Not Stated	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/28/2016	6:35:00 PM	Monday	SEQUENCE DR	GENETIC CENTER DR	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/29/2016	5:00:00 PM	Tuesday	MAYA LINDA RD	MESA SPRINGS WY	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
12/3/2016	1:26:00 PM	Saturday	MIRA MESA BL	CAM RUIZ	500	West	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
12/3/2016	2:50:00 PM	Saturday	MIRA MESA BL	CAM RUIZ	600	West	Complaint of Pain	1	0	1	Unsafe Starting or Backing	Vehicle - Pedestrian	Pedestrian	Not In Road	Driver	Pedestrian	Midblock	Pedestrian
12/5/2016	9:41:00 AM	Monday	JADE COAST DR	WESTONHILL DR	85	West	Property Damage Only	0	0	1	Unsafe Speed	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
12/5/2016	5:30:00 PM	Monday	CARROLL CANYON RD	I-15 NB OFF RA	10	West	Other Visible Injury	1	0	1	Other Hazardous Movement	Broadside	Bicycle	Crossing In Crosswalk At Intersection	Driver	Bicyclist	Intersection	Bicyclist
12/6/2016	6:00:00 PM	Tuesday	MIRA MESA BL	CAM SANTA FE	50	North	Complaint of Pain	1	0	0	Improper Turning	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/7/2016	9:40:00 PM	Wednesday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/7/2016	10:00:00 PM	Wednesday	BLACK MTN RD	GEMINI AV	0	Not Stated	Complaint of Pain	1	0	0	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
12/7/2016	11:50:00 PM	Wednesday	FLANDERS DR	ISLEWORTH AV	33	East	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
12/8/2016	12:01:00 AM	Thursday	WESTONHILL DR	BENNINGTON ST	58	South	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
12/8/2016	4:25:00 PM	Thursday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
12/9/2016	11:00:00 AM	Friday	MIRA MESA BL	TARGET DY	0	Not Stated	Other Visible Injury	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
12/9/2016	1:58:00 PM	Friday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/9/2016	5:11:00 PM	Friday	CAM SANTA FE	RASHA ST	0	Not Stated	Severe Injury	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/13/2016	6:30:00 PM	Tuesday	HILLERY DR	MARBURY AV	0	Not Stated	Property Damage Only	0	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/14/2016	5:00:00 PM	Wednesday	MIRA MESA BL	WESTONHILL DR	420	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
12/14/2016	5:11:00 PM	Wednesday	MIRAMAR RD	CAM SANTA FE	0	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/16/2016	6:43:00 PM	Friday	MIRAMAR RD	I-15 SB OFF RA	0	East	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
12/17/2016	12:52:00 PM	Saturday	MIRA MESA BL	SCRANTON RD	0	East	Complaint of Pain	3	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/18/2016	3:20:00 PM	Sunday	MIRA MESA BL	FLANDERS DR	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver
12/18/2016	5:15:00 PM	Sunday	MIRA MESA BL	GREENFORD DR	24	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/19/2016	6:30:00 PM	Monday	MIRA MESA BL	CAM RUIZ	100	East	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Approaching/Departing	Driver
12/20/2016	5:32:00 PM	Tuesday	MIRAMAR RD	PADGETT ST	13	North	Other Visible Injury	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/20/2016	10:47:00 PM	Tuesday	CAM RUIZ	WESTMORE RD	130	North	Property Damage Only	0	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	Driver
12/21/2016	3:11:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/21/2016	8:38:00 PM	Wednesday	MERCY RD	ALEMANIA RD	0	Not Stated	Complaint of Pain	2	0	0	Auto R/W Violation	Head-On	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
12/22/2016	8:00:00 AM	Thursday	KITE HILL LN	LAURELHURST CT	44	South	Property Damage Only	0	0	0	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
12/23/2016	6:50:00 PM	Friday	BLACK MTN RD	MERCY RD	42	South	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
12/23/2016	8:00:00 PM	Friday	CAM RUIZ	JADE COAST DR	204	North	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
12/25/2016	3:15:00 PM	Sunday	MIRA MESA BL	CAM RUIZ	15	East	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/27/2016	4:54:00 AM	Tuesday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/27/2016	7:00:00 PM	Tuesday	TAURUS PL	SCORPIUS WY	1	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
12/28/2016	9:45:00 AM	Wednesday	CAM SANTA FE	MIRATECH DR	0	Not Stated	Property Damage Only	0	0	0		Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/1/2012	7:59:00 AM	Monday	CARROLL CANYON RD	BLACK MTN RD	276	East	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/2/2012	4:30:00 PM	Tuesday	MIRA MESA BL	CAM RUIZ	200	East	Complaint of Pain	1	0		Unsafe Lane Change	Other	Bicycle		Driver	Bicyclist	Approaching/Departing	Not Stated
10/3/2012	12:35:00 PM	Wednesday	MIRAMAR RD	CARROLL RD	150	East	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/4/2012	2:19:00 PM	Thursday	MIRAMAR RD	COMMERCE AV	384	East	Fatal	0	1		Unsafe Lane Change	Hit Object	Bicycle		Bicyclist		Midblock	Not Stated
10/6/2012	6:50:00 AM	Saturday	REAGAN RD	VALDOSTA AV	75	North	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/9/2012	8:45:00 AM	Tuesday	SORRENTO VALLEY BL	SEA MIST WY	650	West	Complaint of Pain	0	0		Other	Other	Bicycle		Bicyclist	Driver	Midblock	Not Stated
10/9/2012	3:50:00 PM	Tuesday	MIRAMAR RD	CABOT DR	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/10/2012	7:17:00 AM	Wednesday	CAM RUIZ	JADE COAST RD	90	North	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/10/2012	5:08:00 PM	Wednesday	ACTIVITY RD	CAM RUIZ	528	East	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/12/2012	3:08:00 PM	Friday	MIRAMAR RD	CAM RUIZ	1056	West	Complaint of Pain	1	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/12/2012	8:48:00 PM	Friday	WESTVIEW PY	MIRA MESA BL	222	North	Complaint of Pain	2	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/13/2012	2:00:00 PM	Saturday	MIRAMAR RD	BLACK MTN RD	63	West	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/13/2012	3:00:00 PM	Saturday	MIRAMAR RD	EMPIRE ST	0	Not Stated	Complaint of Pain	3	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/17/2012	9:50:00 AM	Wednesday	MIRAMAR RD	MIRAMAR WEST GATE	528	East	Complaint of Pain	1	0		Unsafe Speed	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/17/2012	7:20:00 PM	Wednesday	CAM RUIZ	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	1	0		Other Hazardous Movement	Hit Object	Fixed Object		Driver		Intersection	Not Stated
10/19/2012	10:54:00 PM	Friday	HYDRA LN	ANDROMEDA RD	528	West	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/20/2012	1:00:00 PM	Saturday	BLACK MTN RD	MIRAMAR RD	402	North	Complaint of Pain	1	0		Other Equipment	Overturned	Other Motor Vehicle		Driver		Midblock	Not Stated
10/21/2012	10:00:00 AM	Sunday	JADE COAST DR	EAGLE ROCK AV	51	East	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/22/2012	3:00:00 AM	Monday	FLANDERS DR	BARON LN	203	West	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/22/2012	6:00:00 AM	Monday	HILLERY DR	BLACK MTN RD	4	West	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/22/2012	9:09:00 AM	Monday	TRADE ST	CARROLL WY	776	West	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/22/2012	8:34:00 PM	Monday	WESTONHILL DR	DEWSBURY AV	129	North	Complaint of Pain	1	0		Other	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/23/2012	7:45:00 AM	Tuesday	MIRA MESA BL	MARBURY AV	100	East	Complaint of Pain	1	0		Other Hazardous Movement	Overturned	Other Motor Vehicle		Driver		Approaching/Departing	Not Stated
10/23/2012	10:18:00 AM	Tuesday	MIRA MESA BL	GENETIC CENTER DR	0	Not Stated	Complaint of Pain	2	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/23/2012	4:00:00 PM	Tuesday	WESTONHILL DR	HARLINGTON DR	45	North	Property Damage Only	0	0		Unsafe Starting or Backing	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/23/2012	10:38:00 PM	Tuesday	MERCY RD	I-15 SB ON RA	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/24/2012	6:30:00 AM	Wednesday	MIRAMAR RD	CAM SANTA FE	386	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/24/2012	11:30:00 AM	Wednesday	CHERYL RIDGE CT	RAVEN RIDGE PT	13	North	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/26/2012	11:35:00 AM	Friday	MIRAMAR RD	EMPIRE ST	342	East	Complaint of Pain	2	0		Unsafe Lane Change	Sideswipe	Fixed Object		Driver	Driver	Approaching/Departing	Not Stated
10/27/2012	2:28:00 AM	Saturday	MIRA MESA BL	MARBURY AV	300	East	Complaint of Pain	1	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
10/27/2012	8:15:00 AM	Saturday	ACTIVITY RD	CLAYTON DR	207	West	Complaint of Pain	6	0		Improper Passing	Overturned	Fixed Object		Driver	Driver	Approaching/Departing	Not Stated
10/28/2012	9:46:00 AM	Sunday	TILTON ST	DANCY RD	169	South	Property Damage Only	0	0		Sideswipe	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/28/2012	12:50:00 PM	Sunday	JADE COAST RD	AMBASSADOR AV	60	West	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/28/2012	3:57:00 PM	Sunday	AQUARIUS DR	AQUARIUS PL	14	West	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Intersection	Not Stated
10/28/2012	7:35:00 PM	Sunday	REAGAN RD	KENOVA ST	65	East	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/30/2012	6:35:00 PM	Tuesday	BLACK MTN RD	GOLD COAST DR	200	South	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/31/2012	6:17:00 AM	Wednesday	MIRAMAR RD	MIRAMAR WEST GATE	30	West	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/31/2012	10:10:00 AM	Wednesday	MIRAMAR RD	PRODUCTION AV	0	Not Stated	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/31/2012	1:51:00 PM	Wednesday	MIRAMAR RD	I-15 SB OFF RA	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/31/2012	5:00:00 PM	Wednesday	MIRAMAR RD	CARROLL RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/31/2012	8:16:00 PM	Wednesday	MIRAMAR RD	CLAYTON DR	20	East	Complaint of Pain	1	0		Pedestrian Violation	Vehicle - Pedestrian	Pedestrian		Pedestrian	Driver	Intersection	Not Stated
11/1/2012	12:15:00 PM	Thursday	ACTIVITY RD	PADGETT ST	315	East	Property Damage Only	0	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
11/1/2012	12:30:00 PM	Thursday	NANCY RIDGE DR	CARROLL RD	2112	West	Complaint of Pain	2	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/2/2012	2:16:00 PM	Friday	CARROLL CANYON RD	YOUNGSTOWN WY	331	East	Complaint of Pain	1	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/3/2012	8:53:00 AM	Saturday	ROYAL ANN AV	GOLD COAST DR	312	South	Property Damage Only	0	0		Unsafe Starting or Backing	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/3/2012	9:57:00 PM	Saturday	FLANDERS DR	CAMTO GLENELLEN	69	East	Property Damage Only	0	0		Unsafe Starting or Backing	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/4/2012	1:13:00 PM	Sunday	MIRA MESA BL	ADERMAN AV	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/5/2012	4:11:00 PM	Monday	MIRAMAR RD	CARROLL RD	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Bicycle		Driver	Driver	Intersection	Not Stated
11/5/2012	4:25:00 PM	Monday	TARGET DY	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/6/2012	5:51:00 PM	Tuesday	MIRA MESA BL	GREENFORD DR	607	East	Complaint of Pain	1	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/7/2012	9:15:00 AM	Wednesday	MIRA MESA BL	VIPER WY	214	West	Complaint of Pain	1	0		Unsafe Lane Change	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/8/2012	4:00:00 PM	Thursday	TOP GUN ST	COBRA WY	0	Not Stated	Complaint of Pain	3	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/8/2012	4:38:00 PM	Thursday	MIRA MESA BL	ADERMAN AV	60	East	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Intersection	Not Stated
11/9/2012	1:40:00 PM	Friday	CARROLL WY	CARROLL RD	750	North	Complaint of Pain	1	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/10/2012	11:17:00 AM	Saturday	BLACK MTN RD	GEMINI AV	0	Not Stated	Complaint of Pain	1	0		Unsafe Starting or Backing	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
11/12/2012	10:56:00 PM	Monday	CAM RUIZ	CAPRICORN WY	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/14/2012	6:47:00 AM	Wednesday	SUMMERS RIDGE RD	CAM SANTA FE	490	West	Property Damage Only	0	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Midblock	Not Stated
11/14/2012	4:10:00 PM	Wednesday	CAM SANTA FE	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/14/2012	7:43:00 PM	Wednesday	MIRA MESA BL	SCRANTON RD	332	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/18/2012	12:10:00 AM	Sunday	ACTIVITY RD	CLAYTON DR	528	East	Property Damage Only	0	0		Improper Turning	Hit Object	Fixed Object		Driver		Midblock	Not Stated
11/18/2012	10:38:00 PM	Sunday	CAPRICORN WY	BLACK MTN RD	500	East	Complaint of Pain	1	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/19/2012	7:00:00 AM	Monday	MIRAMAR RD	FROST-MAR PL	36	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/19/2012	8:58:00 AM	Monday	STANWELL ST	WESTONHILL DR	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/20/2012	12:05:00 PM	Tuesday	CAM RUIZ	JADE COAST DR	55	North	Complaint of Pain	1	0		Unsafe Speed	Other	Fixed Object		Driver	Driver	Intersection	Not Stated
11/21/2012	5:19:00 PM	Wednesday	CAM RUIZ	CAPRICORN WY	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
11/21/2012	5:45:00 PM	Wednesday	CAM RUIZ	FLANDERS DR	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/22/2012	2:30:00 PM	Thursday	CHABOLA RD	HITO CT	1056	South	Property Damage Only	0	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/25/2012	12:23:00 PM	Sunday	THANKSGIVING LN	GOLD COAST DR	457	South	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/26/2012	8:00:00 AM	Monday	CLAYTON DR	MIRAMAR RD	99	North	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/26/2012	12:20:00 PM	Monday	MIRA MESA BL	SCRANTON RD	3000	East	Complaint of Pain	2	0		Other Equipment	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/26/2012	3:47:00 PM	Monday	MIRAMAR RD	BLACK MTN RD	124	West	Property Damage Only	0	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/28/2012	1:00:00 AM	Wednesday	MAYA LINDA RD	MESA SPRINGS WY	528	South	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/28/2012	5:45:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/30/2012	4:36:00 PM	Friday	MIRA MESA BL	MONTONGO ST	0	Not Stated	Property Damage Only	0	0		Improper Passing	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/30/2012	5:06:00 PM	Friday	MIRA MESA BL	GREENFORD DR	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
11/30/2012	11:15:00 PM	Friday	SCRIPPS POWAY PY	I-15 NB ON RA	42	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/1/2012	12:00:00 PM	Saturday	MIRAMAR RD	CARROLL RD	1320	East	Complaint of Pain	1	0		Auto R/W Violation	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/1/2012	2:00:00 PM	Saturday	VELA DR	MENKAR RD	500	South	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/1/2012	5:10:00 PM	Saturday	MIRA MESA BL	OBERLIN DR	0	Not Stated	Complaint of Pain	5	0		Auto R/W Violation	Head-On	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/2/2012	12:37:00 AM	Sunday	NEW SALEM ST	MIRA MESA BL	600	North	Complaint of Pain	1	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/2/2012	2:00:00 AM	Sunday	HYDRA LN	CAM RUIZ	15	West	Property Damage Only	0	0		Improper Turning	Hit Object	Fixed Object		Driver		Intersection	Not Stated
12/3/2012	7:44:00 AM	Monday	CAPRICORN WY	KELOWNA RD	75	East	Complaint of Pain	1	0		Unsafe Starting or Backing	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/3/2012	10:26:00 AM	Monday	MERCY RD	I-15 SB OFF RA	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/5/2012	5:20:00 PM	Wednesday	MIRA MESA BL	REAGAN RD (W)	32	East	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/7/2012	9:53:00 AM	Friday	MIRA MESA BL	VIPER WY	135	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/7/2012	7:00:00 PM	Friday	REAGAN RD	ALAVA CR	264	North	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/8/2012	9:56:00 AM	Saturday	MIRAMAR RD	CABOT DR	1056	East	Complaint of Pain	1	0		Unsafe Speed	Hit Object	Fixed Object			Bicyclist	Midblock	Not Stated
12/9/2012	8:36:00 PM	Sunday	MAYA LINDA RD	MESA SPRINGS WY	528	South	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/11/2012	1:30:00 PM	Tuesday	MIRA MESA BL	ADERMAN AV	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/12/2012	2:34:00 PM	Wednesday	BLACK MTN RD	CARROLL CANYON RD	230	North	Complaint of Pain	1	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/14/2012	9:50:00 AM	Friday	MIRA MESA BL	MONTONGO ST	180	East	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/16/2012	1:33:00 AM	Sunday	PARKDALE AV	JADE COAST RD	84	South	Property Damage Only	0	0		Driving Under Influence	Hit Object	Fixed Object		Driver		Intersection	Not Stated
12/16/2012	10:48:00 PM	Sunday	KEARNY VILLA RD	CANDIDA ST	0	Not Stated	Complaint of Pain	2	0		Driving Under Influence	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/17/2012	1:37:00 PM	Monday	KEARNY VILLA RD	TIERRA GRANDE ST	100	South	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/19/2012	7:00:00 AM	Wednesday	LONDON PL	FOXWOOD RD	120	East	Property Damage Only	0	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/19/2012	8:50:00 AM	Wednesday	OBERLIN DR	SCRANTON RD	600	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/20/2012	5:30:00 PM	Thursday	MIRA MESA BL	SCRANTON RD	1320	East	Property Damage Only	0	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/20/2012	6:11:00 PM	Thursday	CAM RUIZ	JADE COAST DR	528	South	Complaint of Pain	4	0		Improper Passing	Sideswipe	Fixed Object		Driver	Driver	Midblock	Not Stated
12/21/2012	8:35:00 PM	Friday	MIRA MESA BL	CAM RUIZ	528	East	Complaint of Pain	1	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/22/2012	1:17:00 AM	Saturday	FLANDERS DR	GLENELLEN AV	50	East	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/22/2012	1:50:00 PM	Saturday	MIRA MESA BL	BLACK MTN RD	120	East	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/23/2012	1:18:00 AM	Sunday	MIRA MESA BL	REAGAN RD (W)	78	East	Complaint of Pain	2	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/23/2012	9:00:00 PM	Sunday	MIRA MESA BL	WESTONHILL DR	20	East	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/24/2012	6:15:00 PM	Monday	REAGAN RD	CASA BLANCA PL	30	East	Complaint of Pain	1	0		Improper Turning	Head-On	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/25/2012	1:40:00 PM	Tuesday	MIRAMAR RD	CAM SANTA FE	45	West	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/27/2012	8:20:00 AM	Thursday	PACIFIC MESA BL	PACIFIC HEIGHTS BL	0	Not Stated	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/28/2012	6:05:00 PM	Friday	WESTVIEW PY	GALVIN AV	100	South	Complaint of Pain	1	0		Wrong Side of Road	Vehicle - Pedestrian	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/29/2012	11:17:00 PM	Saturday	BLACK MTN RD	CAPRICORN WY	51	West	Property Damage Only	0	0		Not Stated	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/30/2012	6:18:00 AM	Sunday	CAM SANTA FE	SUMMERS RIDGE RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Not Stated	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
12/30/2012	4:25:00 PM	Sunday	MIRAMAR RD	CABOT DR	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Overturned	Other Motor Vehicle		Driver		Intersection	Not Stated
1/2/2013	8:20:00 AM	Wednesday	TRADE ST	CAM SANTA FE	388	East	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
1/3/2013	12:20:00 PM	Thursday	CAM SANTA FE	COMMERCE AV	0	Not Stated	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/3/2013	9:03:00 PM	Thursday	MIRAMAR RD	CAM SANTA FE	36	West	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/3/2013	9:14:00 PM	Thursday	CAM RUIZ	REAGAN RD	0	Not Stated	Complaint of Pain	2	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/4/2013	12:02:00 AM	Friday	WESTCHESTER AV	WOODLAWN DR	168	North	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
1/5/2013	11:45:00 AM	Saturday	MIRA MESA BL	BLACK MTN RD	662	East	Property Damage Only	0	0		Unsafe Speed	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
1/5/2013	11:48:00 PM	Saturday	CAM RUIZ	MIRA MESA BL	25	North	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Intersection	Not Stated
1/6/2013	3:18:00 PM	Sunday	MIRAMAR RD	DISTRIBUTION AV	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/7/2013	7:28:00 PM	Monday	ACTIVITY RD	PADGETT ST	300	East	Complaint of Pain	1	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
1/7/2013	10:28:00 PM	Monday	HILLERY DR	MARBURY AV	24	West	Property Damage Only	0	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Intersection	Not Stated
1/9/2013	4:45:00 PM	Wednesday	CAM RUIZ	MIRA MESA BL	255	South	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
1/15/2013	7:42:00 AM	Tuesday	GOLD COAST DR	SAN RAMON DR	0	Not Stated	Complaint of Pain	3	0		Other	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
1/16/2013	4:55:00 PM	Wednesday	CARROLL RD	CARROLL WY	0	Not Stated	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Intersection	Not Stated
1/16/2013	8:20:00 PM	Wednesday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/19/2013	12:45:00 AM	Saturday	BOOTES ST	CENTAURUS WY	123	North	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
1/19/2013	11:00:00 PM	Saturday	GOLD COAST DR	CAM RUIZ	42	West	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/21/2013	5:51:00 PM	Monday	MIRA MESA BL	REAGAN RD (W)	104	East	Complaint of Pain	1	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
1/23/2013	11:45:00 PM	Wednesday	MIRAMAR RD	CARROLL RD	300	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
1/24/2013	7:05:00 AM	Thursday	MIRA MESA BL	I-805 NB OFF RA (W)	51	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/25/2013	9:44:00 AM	Friday	MIRA MESA BL	CAM SANTA FE	20	East	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/25/2013	12:10:00 PM	Friday	MIRA MESA BL	BLACK MTN RD	402	East	Complaint of Pain	1	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
1/25/2013	10:40:00 PM	Friday	ACTIVITY RD	PADGETT ST	250	West	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
1/26/2013	8:39:00 AM	Saturday	CAM RUIZ	REAGAN RD	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/29/2013	4:45:00 PM	Tuesday	MIRA MESA BL	STEADMAN ST	528	West	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
1/31/2013	5:26:00 PM	Thursday	HILLERY DR	RICKERT RD	300	East	Complaint of Pain	3	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
2/2/2013	2:35:00 PM	Saturday	MIRAMAR RD	DOWDY DR	0	West	Property Damage Only	0	0		Other	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/2/2013	11:59:00 PM	Saturday	CAM RUIZ	MIRA MESA BL	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/3/2013	7:06:00 AM	Sunday	KIBLER DR	BACKER CT	100	North	Property Damage Only	0	0		Unknown	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
2/3/2013	4:43:00 PM	Sunday	MIRAMAR RD	CARROLL RD	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/4/2013	10:06:00 AM	Monday	MIRA MESA BL	ADERMAN AV	150	West	Complaint of Pain	2	0		Other Equipment	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
2/6/2013	6:10:00 PM	Wednesday	MIRA MESA BL	SCRANTON RD	528	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
2/9/2013		Saturday	CAM RUIZ	CARROLL CANYON RD	333	South	Property Damage Only	1	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
2/11/2013	7:04:00 AM	Monday	MIRAMAR RD	PRODUCTION AV	226	East	Complaint of Pain	5	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
2/11/2013	11:08:00 AM	Monday	CAM RUIZ	FLANDERS DR	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/11/2013	3:06:00 PM	Monday	BLACK MTN RD	GOLD COAST DR	0	Not Stated	Complaint of Pain	1	0		Pedestrian Violation	Vehicle - Pedestrian	Pedestrian		Pedestrian	Driver	Intersection	Not Stated
2/12/2013	4:35:00 PM	Tuesday	CAM RUIZ	WESTMORE RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
2/13/2013	3:55:00 PM	Wednesday	CARROLL CANYON RD	MAYA LINDA RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/16/2013	8:11:00 AM	Saturday	MIRA MESA BL	I-805 NB OFF RA (W)	0	Not Stated	Complaint of Pain	1	0		Unknown	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/18/2013	7:37:00 PM	Monday	MIRA MESA BL	WESTVIEW PY	611	West	Fatal	0	1		Pedestrian Violation	Vehicle - Pedestrian	Pedestrian		Pedestrian	Driver	Midblock	Not Stated
2/19/2013	2:53:00 PM	Tuesday	MIRAMAR RD	PRODUCTION AV	171	East	Complaint of Pain	1	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
2/19/2013	5:45:00 PM	Tuesday	SCRANTON RD	MIRA MESA BL	20	South	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/19/2013	7:25:00 PM	Tuesday	CLAUSER ST	DANCY RD	537	South	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Midblock	Not Stated
2/22/2013	3:40:00 PM	Friday	REAGAN RD	HILLERY DR	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/23/2013	2:27:00 AM	Saturday	MIRAMAR RD	KEARNY VILLA RD	82	West	Property Damage Only	0	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/23/2013	2:35:00 AM	Saturday	CAM RUIZ	MIRA MESA BL	66	South	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Intersection	Not Stated
2/24/2013	4:25:00 PM	Sunday	BLACK MTN RD	MERCY RD	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/26/2013	1:47:00 PM	Tuesday	CAPRICORN WY	GANESTA RD	73	East	Property Damage Only	0	0		Other	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/26/2013	6:55:00 PM	Tuesday	MERCY RD	ALEMANIA RD	10	West	Property Damage Only	0	0		Unsafe Starting or Backing	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/27/2013	12:50:00 PM	Wednesday	CAM SANTA FE	CARROLL RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/27/2013	1:47:00 PM	Wednesday	MIRAMAR RD	DOWDY DR	300	West	Complaint of Pain	1	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
2/27/2013	2:35:00 PM	Wednesday	MIRAMAR RD	MIRACREST PL	61	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
2/28/2013	3:20:00 PM	Thursday	MIRAMAR RD	COMMERCE AV	412	East	Complaint of Pain	1	0		Unsafe Speed	Overturned	Bicycle				Midblock	Not Stated
3/1/2013	5:38:00 PM	Friday	MIRA MESA BL	I-15 NB ON RA (W)	300	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
3/1/2013	7:57:00 PM	Friday	CAM RUIZ	AQUARIUS DR	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/2/2013	1:25:00 AM	Saturday	WESTVIEW PY	MIRA MESA BL	850	North	Complaint of Pain	1	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
3/2/2013	2:40:00 AM	Saturday	KEARNY VILLA RD	MIRAMAR RD	400	South	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Midblock	Not Stated
3/2/2013	9:03:00 PM	Saturday	BLACK MTN RD	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/3/2013	9:10:00 AM	Sunday	CAM RUIZ	ZAPATA AV	40	North	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/3/2013	2:28:00 PM	Sunday	CAM RUIZ	CARROLL CANYON RD	161	North	Complaint of Pain	1	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver	Driver	Approaching/Departing	Not Stated
3/5/2013	12:55:00 PM	Tuesday	MIRAMAR RD	MILCH RD	100	West	Complaint of Pain	1	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
3/6/2013	6:50:00 AM	Wednesday	ACTIVITY RD	CLAYTON DR	0	Not Stated	Complaint of Pain	1	0		Unsafe Lane Change	Overturned	Other Motor Vehicle		Driver		Intersection	Not Stated
3/6/2013	2:10:00 PM	Wednesday	TRADE ST	CAM SANTA FE	300	East	Complaint of Pain	1	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
3/6/2013	6:39:00 PM	Wednesday	BLACK MTN RD	GOLD COAST DR	528	North	Property Damage Only	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
3/7/2013	11:29:00 PM	Thursday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/8/2013	5:15:00 PM	Friday	WESTVIEW PY	MIRA MESA BL	27	East	Complaint of Pain	2	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/9/2013	11:10:00 AM	Saturday	TARGET DY	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0		Improper Turning	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
3/10/2013	4:35:00 PM	Sunday	MIRA MESA BL	VISTA SORRENTO PY	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/12/2013	7:09:00 AM	Tuesday	WHITEHALL RD	NEW SALEM ST	202	South	Property Damage Only	0	0		Unsafe Starting or Backing	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
3/14/2013	10:02:00 PM	Thursday	BLACK MTN RD	GEMINI AV	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/15/2013	8:20:00 PM	Friday	BLACK MTN RD	MIRAMAR RD	20	North	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/17/2013	11:36:00 PM	Sunday	CAM RUIZ	WESTMORE RD	105	South	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
3/19/2013	7:58:00 AM	Tuesday	CARROLL CENTRE RD	VIA PASAR	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/19/2013	1:39:00 PM	Tuesday	MIRAMAR RD	CABOT DR	555	East	Complaint of Pain	3	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
3/21/2013	10:30:00 AM	Thursday	TRADE ST	CARROLL WY	33	West	Complaint of Pain	1	0		Other	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/23/2013	12:19:00 AM	Saturday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/23/2013	4:40:00 PM	Saturday	CAM RUIZ	AQUARIUS DR	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/24/2013	8:26:00 AM	Sunday	FLANDERS DR	BACCUS CT	0	Not Stated	Property Damage Only	0	0		Other	Hit Object	Fixed Object		Driver		Intersection	Not Stated
3/24/2013	5:25:00 PM	Sunday	FLANDERS DR	AMANTHA AV	0	Not Stated	Property Damage Only	0	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/24/2013	11:40:00 PM	Sunday	GOLD COAST DR	MAYA LINDA RD	424	West	Complaint of Pain	2	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
3/25/2013	2:23:00 AM	Monday	MERCY RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/25/2013	4:40:00 PM	Monday	CLAYTON DR	MIRAMAR RD	110	North	Complaint of Pain	1	0		Auto R/W Violation	Other	Bicycle		Bicyclist	Driver	Approaching/Departing	Not Stated
3/26/2013	5:43:00 PM	Tuesday	BLACK MTN RD	KEARNY VILLA RD	0	North	Property Damage Only	0	0		Not Stated	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/26/2013	9:00:00 PM	Tuesday	MIRA MESA BL	WESTMORE RD	0	Not Stated	Complaint of Pain	1	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/28/2013	8:35:00 AM	Thursday	SORRENTO VALLEY BL	JASMINE CREST LN	50	West	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
3/29/2013	9:40:00 AM	Friday	DOWDY DR	STROMESA CT	150	South	Complaint of Pain	1	0		Other	Head-On	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
3/30/2013		Saturday	LIBRA DR	POLARIS DR	65	West	Complaint of Pain	1	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/1/2013	2:20:00 PM	Monday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Complaint of Pain	3	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/1/2013	5:35:00 PM	Monday	CALICO ST	ODELL RD	200	East	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
4/5/2013	12:26:00 PM	Friday	LUSK BL	MIRA MESA BL	45	North	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/5/2013	5:40:00 PM	Friday	BLACK MTN RD	CARROLL CANYON RD	30	South	Complaint of Pain	1	0		Other Hazardous Movement	Overturned	Bicycle		Bicyclist		Intersection	Not Stated
4/5/2013	11:03:00 PM	Friday	CAM SANTA FE	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver		Intersection	Not Stated
4/5/2013	11:10:00 PM	Friday	GREENFORD DR	MIRA MESA BL	30	North	Property Damage Only	0	0		Unsafe Starting or Backing	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/6/2013	11:10:00 PM	Saturday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Complaint of Pain	2	0		Other Improper Driving	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/6/2013	11:55:00 PM	Saturday	MIRAMAR RD	KEARNY MESA RD	129	West	Property Damage Only	0	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
4/7/2013	9:52:00 AM	Sunday	BLACK MTN RD	HILLERY DR	0	Not Stated	Complaint of Pain	2	0		Other	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/8/2013	3:35:00 PM	Monday	MASON HEIGHTS LN	DENNIG PL	90	East	Complaint of Pain	1	0		Fell Asleep	Hit Object	Fixed Object		Driver		Intersection	Not Stated
4/9/2013	10:00:00 PM	Tuesday	KEARNY MESA RD	MIRAMAR RD	36	South	Property Damage Only	0	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Intersection	Not Stated
4/10/2013	12:47:00 PM	Wednesday	MIRAMAR RD	FROST-MAR PL	250	West	Property Damage Only	0	0		Unsafe Starting or Backing	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
4/11/2013	3:14:00 PM	Thursday	MIRA SORRENTO PL	VISTA SORRENTO PY	200	West	Complaint of Pain	2	0		Unsafe Starting or Backing	Head-On	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
4/11/2013	5:30:00 PM	Thursday	MIRA MESA BL	REAGAN RD (W)	1500	West	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
4/11/2013	6:50:00 PM	Thursday	CALLE CRISTOBAL	WINDY RIDGE WY	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/12/2013	4:05:00 PM	Friday	BLACK MTN RD	CARROLL CENTRE RD	200	North	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
4/12/2013	5:40:00 PM	Friday	CAM RUIZ	FLANDERS DR	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/16/2013	7:18:00 AM	Tuesday	CARROLL CANYON RD	CAMTO VOLAR	12	East	Property Damage Only	0	0		Other Equipment	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/16/2013	1:12:00 PM	Tuesday	MIRA MESA BL	I-15 SB OFF RA	0	Not Stated	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/16/2013	4:10:00 PM	Tuesday	MIRA MESA BL	SCRANTON RD	57	East	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/16/2013	4:45:00 PM	Tuesday	HILLERY DR	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0		Improper Passing	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/16/2013	5:30:00 PM	Tuesday	SUMMERS RIDGE RD	CAM SANTA FE	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Overturned	Bicycle		Bicyclist		Intersection	Not Stated
4/17/2013	7:08:00 PM	Wednesday	WESTMORE RD	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0		Improper Turning	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/19/2013	8:03:00 PM	Friday	MIRAMAR RD	MILCH RD	28	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/20/2013	6:58:00 AM	Saturday	MIRA MESA BL	FLANDERS DR	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/21/2013	8:30:00 PM	Sunday	CAM RUIZ	REAGAN RD	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/24/2013	12:38:00 PM	Wednesday	MIRA MESA BL	VIPER WY	200	West	Complaint of Pain	1	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
4/24/2013	4:40:00 PM	Wednesday	CAM SANTA FE	RASHA ST	0	Not Stated	Complaint of Pain	2	0		Other	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/26/2013	5:00:00 PM	Friday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0		Ped R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
4/27/2013	2:52:00 AM	Saturday	DABNEY DR	MIRA MESA BL	528	North	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
4/29/2013	3:35:00 PM	Monday	CAM RUIZ	GOLD COAST DR	200	South	Complaint of Pain	1	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
4/29/2013	8:30:00 PM	Monday	REAGAN RD	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
4/30/2013	8:30:00 AM	Tuesday	MIRAMAR RD	DOWDY DR	0	Not Stated	Property Damage Only	0	0		Unknown	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
4/30/2013	4:00:00 PM	Tuesday	MIRAMAR RD	CLAYTON DR	130	West	Complaint of Pain	1	0		Unsafe Speed	Overturned	Other Motor Vehicle		Driver		Approaching/Departing	Not Stated
5/1/2013	11:59:00 AM	Wednesday	BLACK MTN RD	MAYA LINDA RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/3/2013	3:00:00 AM	Friday	MAYA LINDA RD	CARROLL CANYON RD	345	North	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
5/3/2013	2:44:00 PM	Friday	MIRAMAR RD	CARROLL RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/3/2013	4:25:00 PM	Friday	WESTVIEW PY	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0		Ped R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
5/4/2013	10:20:00 AM	Saturday	LUSK BL	BARNES CANYON RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/4/2013	12:50:00 PM	Saturday	MIRAMAR RD	BLACK MTN RD	72	East	Complaint of Pain	2	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/5/2013	11:35:00 AM	Sunday	DEWSBURY AV	CANIS LN	0	Not Stated	Complaint of Pain	1	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/5/2013	1:26:00 PM	Sunday	MIRA MESA BL	SEQUENCE DR	25	East	Complaint of Pain	1	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/5/2013	5:50:00 PM	Sunday	MIRA MESA BL	VISTA SORRENTO PY	25	East	Complaint of Pain	4	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/6/2013	7:54:00 AM	Monday	MONTONGO ST	GAYLEN RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/6/2013	9:15:00 AM	Monday	WESTONHILL DR	DEWSBURY AV	0	Not Stated	Property Damage Only	0	0		Not Stated	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/6/2013	7:10:00 PM	Monday	REAGAN RD	LAKEPORT RD	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/8/2013	4:50:00 PM	Wednesday	MIRAMAR RD	BLACK MTN RD	279	West	Property Damage Only	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
5/9/2013	8:50:00 AM	Thursday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0		Other Hazardous Movement	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/10/2013	3:20:00 PM	Friday	SORRENTO VALLEY BL	LOPEZ RIDGE WY	15	West	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/11/2013	11:55:00 PM	Saturday	MENKAR RD	WESTONHILL DR	0	Not Stated	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver		Intersection	Not Stated
5/12/2013	2:35:00 AM	Sunday	MIRA MESA BL	REAGAN RD (W)	300	East	Complaint of Pain	1	0		Unsafe Speed	Overturned	Other Motor Vehicle		Driver		Approaching/Departing	Not Stated
5/12/2013	2:20:00 PM	Sunday	CALLE CRISTOBAL	CAM PROPICO	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Fixed Object		Driver		Intersection	Not Stated
5/14/2013	12:28:00 AM	Tuesday	WESTONHILL DR	LEPUS RD	30	North	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/14/2013	7:45:00 AM	Tuesday	SCRIPPS POWAY PY	I-15 NB OFF RA	21	East	Complaint of Pain	1	0		Auto R/W Violation	Sideswipe	Bicycle		Bicyclist	Driver	Intersection	Not Stated
5/15/2013	2:42:00 PM	Wednesday	MIRA MESA BL	FLANDERS DR	0	Not Stated	Complaint of Pain	2	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/16/2013	2:58:00 PM	Thursday	WESTMORE RD	WESTONHILL DR	370	West	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
5/16/2013	9:25:00 AM	Thursday	MIRA MESA BL	REAGAN RD (W)	24	West	Property Damage Only	0	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Intersection	Not Stated
5/17/2013	5:30:00 PM	Friday	MIRA MESA BL	GREENFORD DR	200	East	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
5/17/2013	5:35:00 PM	Friday	MIRAMAR RD	BLACK MTN RD	65	East	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/18/2013	1:25:00 AM	Saturday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Complaint of Pain	2	0		Driving Under Influence	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/19/2013	11:00:00 AM	Sunday	MIRAMAR RD	CABOT RD	0	Not Stated	Complaint of Pain	3	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/21/2013	6:15:00 PM	Tuesday	MIRA MESA BL	I-15 NB ON RA (W)	0	Not Stated	Complaint of Pain	1	0		Unsafe Lane Change	Hit Object	Other Motor Vehicle		Driver		Intersection	Not Stated
5/22/2013	4:58:00 PM	Wednesday	LUSK BL	WATERIDGE CR (W)	1320	East	Complaint of Pain	1	0		Other	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
5/22/2013	11:26:00 PM	Wednesday	SCRIPPS POWAY PY	I-15 NB OFF RA	0	Not Stated	Complaint of Pain	1	0		Driving Under Influence	Hit Object	Other Motor Vehicle		Driver		Intersection	Not Stated
5/23/2013	8:14:00 PM	Thursday	CAM SANTA FE	FLANDERS DR	308	North	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
5/24/2013	3:53:00 PM	Friday	MIRA MESA BL	REAGAN RD (W)	0	Not Stated	Property Damage Only	0	0		Not Stated	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/26/2013	9:35:00 AM	Sunday	REAGAN RD	NEW SALEM ST (W)	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Overturned	Bicycle		Bicyclist		Intersection	Not Stated
5/26/2013	11:55:00 PM	Sunday	CAPRICORN WY	KELOWNA RD	279	West	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
5/27/2013	7:50:00 AM	Monday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
5/28/2013	7:00:00 PM	Tuesday	BLACK MTN RD	MIRA MESA BL	54	North	Complaint of Pain	1	0		Pedestrian Violation	Vehicle - Pedestrian	Pedestrian		Pedestrian	Driver	Intersection	Not Stated
5/28/2013	8:15:00 PM	Tuesday	MIRA MESA BL	CAM RUIZ	157	West	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
5/29/2013	8:30:00 AM	Wednesday	CARROLL CANYON RD	BLACK MTN RD	787	East	Property Damage Only	0	0		Unsafe Starting or Backing	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
5/30/2013	7:36:00 PM	Thursday	BLACK MTN RD	KEARNY VILLA RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Vehicle - Pedestrian	Pedestrian		Pedestrian	Driver	Intersection	Not Stated
6/1/2013	12:08:00 AM	Saturday	WESTVIEW PY	HILLERY DR	528	North	Property Damage Only	0	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Midblock	Not Stated
6/1/2013	8:00:00 AM	Saturday	GOLD COAST DR	BLACK MTN RD	200	East	Complaint of Pain	1	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
6/1/2013	8:05:00 AM	Saturday	BLACK LINDA RD	MAYA LINDA RD	112	North	Complaint of Pain	1	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
6/2/2013	1:20:00 AM	Sunday	PERSEUS RD	PISCES WY	38	East	Property Damage Only	0	0		Driving Under Influence	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/3/2013	7:15:00 PM	Monday	CARROLL CENTRE RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/3/2013	8:05:00 PM	Monday	SANDY HOOK RD	WINTERWOOD LN	105	North	Property Damage Only	0	0		Other Improper Driving	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
6/3/2013	8:06:00 PM	Monday	SANDY HOOK RD	NEW SALEM ST	52	South	Property Damage Only	0	0		Other Improper Driving	Sideswipe	Fixed Object		Driver	Driver	Intersection	Not Stated
6/3/2013	8:15:00 PM	Monday	CANYON HILL WY	CANYON HILL LN	238	West	Property Damage Only	0	0		Other Hazardous Movement	Overturned	Fixed Object		Driver		Approaching/Departing	Not Stated
6/3/2013	10:25:00 PM	Monday	MIRAMAR RD	CAM SANTA FE	319	East	Complaint of Pain	3	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
6/4/2013	12:55:00 PM	Tuesday	SORRENTO VALLEY BL	VISTA SORRENTO PY	4224	East	Complaint of Pain	2	0		Unsafe Speed	Hit Object	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
6/4/2013	10:10:00 PM	Tuesday	BLACK MTN RD	MERCY RD	243	South	Complaint of Pain	1	0		Driving Under Influence	Hit Object	Other Motor Vehicle		Driver		Approaching/Departing	Not Stated
6/5/2013	8:07:00 AM	Wednesday	MIRA MESA BL	I-15 SB OFF RA	0	Not Stated	Complaint of Pain	1	0		Unknown	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/6/2013	5:48:00 PM	Thursday	SORRENTO VALLEY BL	SHAW LOPEZ RD	20	East	Complaint of Pain	1	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Intersection	Not Stated
6/8/2013	3:00:00 AM	Saturday	GOLD COAST DR	MAYA LINDA RD	0	Not Stated	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/8/2013	8:19:00 AM	Saturday	CAM SANTA FE	MAYCREST LN	1584	South	Complaint of Pain	1	0		Unsafe Speed	Overturned	Bicycle		Bicyclist		Midblock	Not Stated
6/9/2013	4:55:00 AM	Sunday	MAYA LINDA RD	GOLD COAST DR	45	South	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/9/2013	4:57:00 PM	Sunday	ADERMAN AV	DABNEY DR	86	South	Property Damage Only	0	0		Other Improper Driving	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/9/2013	11:44:00 PM	Sunday	ACRUX DR	AQUARIUS DR	104	North	Complaint of Pain	1	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
6/10/2013	8:25:00 PM	Monday	VALDOSTA AV	REAGAN RD	105	West	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
6/11/2013	7:44:00 AM	Tuesday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Complaint of Pain	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/12/2013	4:45:00 PM	Wednesday	DEWSBURY AV	WESTONHILL DR	0	Not Stated	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/13/2013		Thursday	CALLE CRISTOBAL	CAMTO LA BAR (W)	0	Not Stated	Complaint of Pain	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Intersection	Not Stated
6/13/2013	2:53:00 PM	Thursday	CARROLL RD	MIRAMAR RD	0	Not Stated	Complaint of Pain	1	0		Driving Under Influence	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/14/2013	7:17:00 PM	Friday	MIRA MESA BL	TARGET DY	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/16/2013		Sunday	TYROLEAN WY	ANGELENO RD	93	North	Property Damage Only	0	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/16/2013	5:30:00 PM	Sunday	CAPRICORN WY	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0		Unsafe Lane Change	Overturned	Fixed Object		Driver		Intersection	Not Stated
6/18/2013	11:19:00 AM	Tuesday	CONSOLIDATED WY	MILCH RD	8	West	Property Damage Only	0	0		Improper Passing	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/22/2013	7:07:00 PM	Saturday	WESTVIEW PY	GALVIN AV	0	Not Stated	Complaint of Pain	1	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/24/2013	8:08:00 AM	Monday	MIRAMAR RD	MILCH RD	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
6/25/2013	7:44:00 AM	Tuesday	MIRAMAR RD	CLAYTON DR	240	East	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
6/25/2013	2:05:00 PM	Tuesday	MIRA MESA BL	WESTMORE RD	390	West	Complaint of Pain	1	0		Auto R/W Violation	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
6/26/2013	2:45:00 PM	Wednesday	MIRAMAR RD	CARROLL RD	900	East	Property Damage Only	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
6/26/2013	4:19:00 PM	Wednesday	TRADE ST	CAM SANTA FE	387	East	Complaint of Pain	1	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
6/27/2013	6:45:00 AM	Thursday	MIRAMAR RD	I-15 SB OFF RA	250	West	Complaint of Pain	0	0		Unsafe Speed	Overturned	Other Motor Vehicle		Driver		Approaching/Departing	Not Stated
6/28/2013		Friday	FLANDERS DR	PARKDALE AV	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
6/29/2013	4:00:00 PM	Saturday	CAPRICORN WY	SAGITTARIUS RD	1052	West	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
6/30/2013	1:20:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	300	East	Property Damage Only	0	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
7/1/2013	5:40:00 PM	Monday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	2	0		Ped R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
7/2/2013	6:50:00 PM	Tuesday	MIRAMAR RD	CAM RUIZ	100	East	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
7/6/2013	1:20:00 PM	Saturday	MIRAMAR RD	CABOT DR	603	East	Complaint of Pain	2	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
7/6/2013	6:45:00 PM	Saturday	MIRAMAR RD	CLAYTON DR	400	East	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
7/8/2013	3:03:00 PM	Monday	BLACK MTN RD	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/10/2013	2:43:00 PM	Wednesday	MIRAMAR RD	DOWDY DR	229	West	Complaint of Pain	1	0		Unsafe Speed	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
7/10/2013	5:50:00 PM	Wednesday	ARJONS DR	CABOT DR	500	West	Property Damage Only	1	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
7/11/2013	4:45:00 PM	Thursday	MIRA MESA BL	I-805 NB OFF RA (W)	0	East	Property Damage Only	0	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/12/2013	9:45:00 AM	Friday	SUMMERVIEW CT	JADE COAST DR	400	North	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
7/12/2013	12:15:00 PM	Friday	MIRAMAR RD	CAM RUIZ	1056	East	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
7/12/2013	3:00:00 PM	Friday	MIRAMAR RD	DOWDY DR	528	West	Property Damage Only	0	0		Unknown	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
7/12/2013	5:30:00 PM	Friday	CARROLL RD	TERMAN CT	60	East	Property Damage Only	0	0		Unknown	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/12/2013	6:42:00 PM	Friday	LUSK BL	BARNES CANYON RD	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/14/2013	12:54:00 PM	Sunday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Complaint of Pain	3	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/15/2013	5:56:00 AM	Monday	CAM RUIZ	REAGAN RD	250	East	Property Damage Only	0	0		Following Too Closely	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
7/15/2013	2:35:00 PM	Monday	MIRAMAR RD	COMMERCE AV	47	East	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/15/2013	4:30:00 PM	Monday	MIRA MESA BL	VIPER WY	150	West	Complaint of Pain	4	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
7/19/2013	9:42:00 AM	Friday	MIRA MESA BL	I-805 NB OFF RA (W)	65	East	Complaint of Pain	3	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/20/2013	3:08:00 AM	Saturday	MIRA MESA BL	PACIFIC HEIGHTS BL	528	West	Complaint of Pain	1	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Midblock	Not Stated
7/22/2013	1:53:00 AM	Monday	MIRA MESA BL	WESTVIEW PY	528	West	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
7/23/2013	8:53:00 AM	Tuesday	MIRA MESA BL	PACIFIC HEIGHTS BL	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/23/2013	4:41:00 PM	Tuesday	LUSK BL	WATERIDGE CR (W)	1320	East	Complaint of Pain	2	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
7/25/2013	6:10:00 PM	Thursday	MIRAMAR RD	BLACK MTN RD	12	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/28/2013	1:55:00 PM	Sunday	MIRA MESA BL	WESTMORE RD	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/29/2013	2:20:00 PM	Monday	MIRAMAR RD	CABOT DR	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
7/31/2013	6:00:00 PM	Wednesday	MIRA MESA BL	TARGET DY	0	Not Stated	Complaint of Pain	4	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/1/2013	12:58:00 AM	Thursday	RIVER RIM RD	DELL RIM CT	86	North	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/1/2013	5:43:00 PM	Thursday	MIRAMAR RD	MILCH RD	430	East	Complaint of Pain	1	0		Unsafe Speed	Hit Object	Fixed Object		Bicyclist		Midblock	Not Stated
8/3/2013	7:25:00 PM	Saturday	WESTVIEW PY	CAPRICORN WY	40	South	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/3/2013	7:32:00 PM	Saturday	WESTVIEW PY	COMPASS POINT S DR	140	North	Complaint of Pain	1	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
8/3/2013	8:25:00 PM	Saturday	MIRA MESA BL	SCHILLING AV	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/7/2013	1:33:00 AM	Wednesday	GOLD COAST DR	CAM RUIZ	378	East	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
8/10/2013	5:00:00 AM	Saturday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/10/2013	11:35:00 AM	Saturday	MIRA MESA BL	I-15 SB ON RA (W)	0	Not Stated	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/10/2013	10:14:00 PM	Saturday	CAM RUIZ	FLANDERS DR	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/12/2013	12:35:00 PM	Monday	MIRA MESA BL	BLACK MTN RD	143	East	Complaint of Pain	1	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
8/12/2013	4:45:00 PM	Monday	MIRA MESA BL	BLACK MTN RD	300	East	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
8/13/2013	5:42:00 PM	Tuesday	CAM RUIZ	MIRALANI DR	72	South	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/14/2013	6:47:00 AM	Wednesday	SUNNY MEADOW ST	CANYON BREEZE RD	306	East	Fatal	0	1		Ped R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Approaching/Departing	Not Stated
8/14/2013	3:35:00 PM	Wednesday	MIRAMAR RD	CAM RUIZ	5	West	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/14/2013	5:45:00 PM	Wednesday	CAM RUIZ	MIRALANI DR	0	Not Stated	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/20/2013	1:53:00 PM	Tuesday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/20/2013	2:50:00 PM	Tuesday	MIRA MESA BL	I-15 SB OFF RA	132	West	Complaint of Pain	1	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
8/21/2013	11:20:00 PM	Wednesday	MIRA MESA BL	VISTA SORRENTO PY	320	West	Property Damage Only	0	0		Driving Under Influence	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
8/22/2013		Thursday	COMMERCE AV	MIRAMAR RD	247	North	Property Damage Only	0	0		Unsafe Starting or Backing	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
8/22/2013	11:59:00 PM	Thursday	FLANDERS DR	BARON LN	0	Not Stated	Property Damage Only	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/23/2013	6:00:00 AM	Friday	BLACK MTN RD	HILLERY DR	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/23/2013	9:40:00 PM	Friday	CAM RUIZ	NEW SALEM ST	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/24/2013	11:15:00 AM	Saturday	MIRAMAR RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0		Improper Turning	Hit Object	Fixed Object		Driver		Intersection	Not Stated
8/25/2013	3:20:00 AM	Sunday	MAYA LINDA RD	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/25/2013	2:20:00 PM	Sunday	MIRA MESA BL	CAMTO ALVAREZ	0	Not Stated	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/25/2013	3:30:00 PM	Sunday	MIRAMAR RD	CABOT DR	1389	East	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
8/26/2013	11:00:00 AM	Monday	MIRA MESA BL	BLACK MTN RD	360	East	Complaint of Pain	1	0		Wrong Side of Road	Other	Bicycle		Bicyclist	Driver	Midblock	Not Stated
8/26/2013	3:30:00 PM	Monday	VIPER WY	MIRA MESA BL	7	North	Complaint of Pain	1	0		Traffic Signals and Signs	Sideswipe	Bicycle		Bicyclist	Driver	Intersection	Not Stated
8/27/2013	11:50:00 AM	Tuesday	YOUNGSTOWN WY	OBERLIN DR	25	South	Property Damage Only	0	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Intersection	Not Stated
8/27/2013	3:25:00 PM	Tuesday	MIRA MESA BL	I-15 NB ON RA (W)	0	Not Stated	Complaint of Pain	1	0		Traffic Signals and Signs	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/27/2013	3:25:00 PM	Tuesday	MIRA MESA BL	I-15 NB ON RA (W)	0	Not Stated	Complaint of Pain	1	0		Traffic Signals and Signs	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/28/2013	9:28:00 PM	Wednesday	ACAMA ST	ANDASOL ST	100	East	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
8/29/2013	8:35:00 AM	Thursday	CARROLL CANYON RD	I-15 NB OFF RA	0	Not Stated	Property Damage Only	0	0		Unsafe Starting or Backing	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
8/29/2013	1:50:00 PM	Thursday	CAM RUIZ	REAGAN RD	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/1/2013	4:13:00 AM	Sunday	SAN RAMON DR	PAGODA WY	21	North	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Intersection	Not Stated
9/1/2013	5:20:00 AM	Sunday	BARONESS AV	JADE COAST RD	200	North	Complaint of Pain	1	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/1/2013	6:58:00 AM	Sunday	CAPCANO RD	MENKAR RD (W)	100	North	Property Damage Only	0	0		Unsafe Lane Change	Head-On	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/1/2013	7:23:00 AM	Sunday	CALLE CRISTOBAL	WINDY RIDGE WY	78	West	Complaint of Pain	3	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/2/2013	5:54:00 AM	Monday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/3/2013	4:00:00 PM	Tuesday	MIRA MESA BL	WESTVIEW PY	130	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/3/2013	5:20:00 PM	Tuesday	MIRAMAR RD	CABOT DR	1256	East	Complaint of Pain	2	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
9/5/2013	8:54:00 AM	Thursday	MIRA MESA BL	FLANDERS DR	210	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/6/2013	3:10:00 PM	Friday	CALLE CRISTOBAL	FRAMES PORT PL	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Other	Other Motor Vehicle		Driver		Intersection	Not Stated
9/9/2013	7:57:00 AM	Monday	CARROLL CANYON RD	CAMTO JOVIAL	283	West	Complaint of Pain	3	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/10/2013	9:25:00 PM	Tuesday	MIRA MESA BL	CAM RUIZ	181	East	Property Damage Only	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
9/11/2013	8:08:00 AM	Wednesday	ZAPATA AV	CAM RUIZ	362	East	Complaint of Pain	1	0		Other	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
9/11/2013	2:55:00 PM	Wednesday	MIRA MESA BL	NEW SALEM ST	0	Not Stated	Complaint of Pain	0	0		Auto R/W Violation	Other	Bicycle		Bicyclist	Driver	Intersection	Not Stated
9/12/2013	3:15:00 PM	Thursday	REAGAN RD	BENNINGTON ST	90	South	Complaint of Pain	1	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Intersection	Not Stated
9/13/2013	9:49:00 AM	Friday	PACIFIC HEIGHTS BL	MIRA MESA BL	372	North	Complaint of Pain	1	0		Other	Overturned	Bicycle		Bicyclist		Midblock	Not Stated
9/13/2013	12:24:00 PM	Friday	MIRA MESA BL	HUENNEKENS ST	93	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/13/2013	2:23:00 PM	Friday	MIRAMAR RD	CABOT DR	599	East	Fatal	0	1		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
9/14/2013	9:12:00 PM	Saturday	CARROLL CANYON RD	I-15 NB ON RA	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/16/2013	8:48:00 AM	Monday	CARROLL CANYON RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0		Ped R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
9/16/2013	4:50:00 PM	Monday	MIRA MESA BL	CAM RUIZ	200	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/17/2013	4:57:00 PM	Tuesday	BLACK MTN RD	HILLERY DR	610	South	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
9/18/2013	11:24:00 AM	Wednesday	MIRA MESA BL	BLACK MTN RD	30	East	Property Damage Only	0	0		Other	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/19/2013	6:00:00 AM	Thursday	CAM SANTA FE	CARROLL RD	0	Not Stated	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/19/2013	3:16:00 PM	Thursday	FLANDERS DR	DANCY RD	0	Not Stated	Complaint of Pain	2	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/19/2013	5:24:00 PM	Thursday	GOLD COAST DR	MAYA LINDA RD	737	West	Complaint of Pain	0	0		Unsafe Lane Change	Other	Bicycle		Driver	Bicyclist	Midblock	Not Stated
9/22/2013	3:00:00 AM	Sunday	WESTMORE RD	WESTONHILL DR	180	West	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/22/2013	7:14:00 AM	Sunday	MIRA MESA BL	GREENFORD DR	300	East	Complaint of Pain	1	0		Unsafe Lane Change	Overturned	Fixed Object		Driver		Approaching/Departing	Not Stated
9/24/2013	6:25:00 PM	Tuesday	MIRA MESA BL	WESTVIEW PY	65	West	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/25/2013	2:40:00 PM	Wednesday	MIRA MESA BL	WESTONHILL DR	302	West	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/26/2013	6:00:00 AM	Thursday	PACIFIC HEIGHTS BL	PACIFIC MESA BL	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/26/2013	7:48:00 PM	Thursday	MIRA MESA BL	SEQUENCE DR	120	East	Complaint of Pain	3	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
9/27/2013	7:00:00 AM	Friday	MIRAMAR RD	MITSCHER WY	0	Not Stated	Property Damage Only	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/27/2013	9:18:00 PM	Friday	BLACK MTN RD	CARROLL CENTRE RD	0	North	Property Damage Only	0	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/27/2013	9:30:00 PM	Friday	MIRAMAR RD	BLACK MTN RD	528	West	Complaint of Pain	3	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
9/28/2013	3:15:00 AM	Saturday	MIRAMAR RD	CAM RUIZ	1056	West	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
9/29/2013	9:00:00 AM	Sunday	GOLD COAST DR	BLACK MTN RD	528	East	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
9/29/2013	3:52:00 PM	Sunday	BLACK MTN RD	ACTIVITY RD	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
9/29/2013	5:00:00 PM	Sunday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/1/2013	7:35:00 AM	Tuesday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0		Improper Passing	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/1/2013	12:00:00 PM	Tuesday	MIRAMAR RD	EMPIRE ST	0	Not Stated	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/1/2013	3:15:00 PM	Tuesday	MIRAMAR RD	CAM RUIZ	300	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/3/2013	4:45:00 PM	Thursday	MIRAMAR RD	CLAYTON DR	100	East	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/6/2013	3:00:00 AM	Sunday	MIRA MESA BL	WESTVIEW PY	300	East	Property Damage Only	1	0		Unsafe Speed	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/6/2013	4:45:00 PM	Sunday	WESTVIEW PY	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0		Improper Turning	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/6/2013	11:46:00 PM	Sunday	WESTVIEW PY	BLACK MTN RD	179	East	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/8/2013	4:53:00 PM	Tuesday	MIRA MESA BL	WESTVIEW PY	258	West	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/10/2013	5:30:00 PM	Thursday	MIRAMAR RD	DOWDY DR	528	East	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/10/2013	5:40:00 PM	Thursday	CAM RUIZ	MIRAMAR RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/11/2013	2:30:00 PM	Friday	BLACK MTN RD	CARROLL CANYON RD	10	South	Complaint of Pain	1	0		Unsafe Speed	Other	Bicycle		Bicyclist	Driver	Intersection	Not Stated
10/16/2013	1:15:00 PM	Wednesday	MIRA MESA BL	MARBURY AV	250	West	Complaint of Pain	1	0		Ped R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Approaching/Departing	Not Stated
10/16/2013	7:50:00 PM	Wednesday	CAM RUIZ	ACTIVITY RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/17/2013	3:49:00 PM	Thursday	MIRAMAR RD	PRODUCTION AV	65	West	Complaint of Pain	1	0		Unsafe Lane Change	Hit Object	Other Motor Vehicle		Driver		Intersection	Not Stated
10/18/2013	2:20:00 PM	Friday	MIRA MESA BL	CAM RUIZ	26	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/18/2013	9:23:00 PM	Friday	FLANDERS DR	CAM RUIZ	200	West	Complaint of Pain	1	0		Driving Under Influence	Sideswipe	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/19/2013	5:30:00 PM	Saturday	KEARNY MESA RD	MIRAMAR RD	309	North	Property Damage Only	0	0		Unsafe Starting or Backing	Hit Object	Other Motor Vehicle		Driver		Approaching/Departing	Not Stated
10/22/2013	12:22:00 AM	Tuesday	FLANDERS DR	DARDEN RD	75	East	Property Damage Only	0	0		Unsafe Speed	Other	Fixed Object		Driver		Intersection	Not Stated
10/23/2013	1:00:00 PM	Wednesday	CAM RUIZ	JADE COAST DR	140	North	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/24/2013	7:28:00 AM	Thursday	KEARNY MESA RD	MIRAMAR RD	100	South	Complaint of Pain	1	0		Other	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/24/2013	4:08:00 PM	Thursday	NEW SALEM ST	CAM RUIZ	500	West	Property Damage Only	0	0		Improper Passing	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/24/2013	11:15:00 PM	Thursday	BLACK MTN RD	CARROLL CANYON RD	760	North	Complaint of Pain	4	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/25/2013	6:05:00 AM	Friday	PACIFIC CENTER BL	PACIFIC MESA BL	230	West	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/25/2013	9:15:00 AM	Friday	BARNES CANYON RD	LUSK BL	3110	West	Complaint of Pain	1	0		Improper Turning	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/26/2013	6:55:00 AM	Saturday	MIRA MESA BL	NEW SALEM ST	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/27/2013	3:44:00 PM	Sunday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Complaint of Pain	1	0		Wrong Side of Road	Other	Bicycle		Driver	Driver	Intersection	Not Stated
10/28/2013	7:45:00 AM	Monday	FLANDERS DR	PARKDALE AV	560	East	Property Damage Only	0	0		Auto R/W Violation	Sideswipe	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
10/28/2013	9:42:00 AM	Monday	CAM RUIZ	ACTIVITY RD	0	Not Stated	Complaint of Pain	1	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/29/2013	8:55:00 AM	Tuesday	GOLD COAST DR	MAYA LINDA RD	0	West	Property Damage Only	0	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/30/2013	12:16:00 AM	Wednesday	MIRAMAR RD	CAM SANTA FE	104	East	Complaint of Pain	1	0		Fell Asleep	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
10/31/2013		Thursday	HADLEY PL	POLARIS DR	30	West	Property Damage Only	0	0		Unknown	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
10/31/2013	7:30:00 AM	Thursday	HILLERY DR	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0		Ped R/W Violation	Vehicle - Pedestrian	Pedestrian		Driver	Pedestrian	Intersection	Not Stated
10/31/2013	11:03:00 AM	Thursday	MIRA MESA BL	WESTVIEW PY	38	West	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/1/2013	5:08:00 AM	Friday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	4	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/1/2013	11:00:00 AM	Friday	MIRA MESA BL	WESTVIEW PY	115	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/1/2013	2:20:00 PM	Friday	MIRAMAR RD	KEARNY VILLA RD	0	Not Stated	Complaint of Pain	2	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/1/2013	8:26:00 PM	Friday	MIRA MESA BL	WESTMORE RD	0	Not Stated	Property Damage Only	0	0		Unknown	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/2/2013	9:00:00 AM	Saturday	BLACK MTN RD	MERCY RD	300	North	Property Damage Only	0	0		Not Stated	Overturned	Other Motor Vehicle		Driver		Approaching/Departing	Not Stated
11/2/2013	8:28:00 PM	Saturday	CAM SANTA FE	TRADE ST	250	South	Complaint of Pain	1	0		Unsafe Speed	Overturned	Other Motor Vehicle		Driver		Approaching/Departing	Not Stated
11/6/2013	3:30:00 PM	Wednesday	MIRA MESA BL	GENETIC CENTER DR	60	East	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
11/6/2013	6:00:00 PM	Wednesday	MIRA MESA BL	GENETIC CENTER DR	93	East	Complaint of Pain	0	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/7/2013	6:25:00 PM	Thursday	GEMINI AV	BLACK MTN RD	66	East	Property Damage Only	0	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/8/2013		Friday	SEAN TAYLOR LN	CAM MIRANDA	100	West	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/11/2013	6:55:00 PM	Monday	CAM RUIZ	MIRA MESA BL	150	North	Complaint of Pain	1	0		Unsafe Starting or Backing	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/11/2013	10:56:00 PM	Monday	MIRA MESA BL	HUENNEKENS ST	0	Not Stated	Complaint of Pain	3	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/12/2013	9:33:00 PM	Tuesday	GEMINI AV	TWIN MTN CR (W)	0	Not Stated	Property Damage Only	0	0		Unsafe Lane Change	Hit Object	Fixed Object		Driver		Intersection	Not Stated
11/13/2013	7:01:00 AM	Wednesday	MIRAMAR RD	CARROLL RD	826	West	Complaint of Pain	2	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/14/2013	7:20:00 PM	Thursday	MIRA MESA BL	MARBURY AV	0	Not Stated	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/15/2013	5:00:00 AM	Friday	MIRA MESA BL	FLANDERS DR	20	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/16/2013	2:00:00 AM	Saturday	WESTONHILL DR	BRALORNE WY	164	South	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/16/2013	10:52:00 PM	Saturday	MIRA MESA BL	SCRANTON RD	80	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/17/2013	5:30:00 PM	Sunday	MIRA MESA BL	REAGAN RD (W)	0	East	Property Damage Only	0	0		Other Hazardous Movement	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/17/2013	10:24:00 PM	Sunday	WESTVIEW PY	GALVIN AV	439	South	Property Damage Only	0	0		Auto R/W Violation	Other	Fixed Object		Driver	Driver	Midblock	Not Stated
11/17/2013	10:35:00 PM	Sunday	MIRA MESA BL	TARGET DY	0	Not Stated	Complaint of Pain	4	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/18/2013	6:00:00 PM	Monday	MIRAMAR RD	KEARNY VILLA RD	110	West	Property Damage Only	0	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
11/19/2013	6:50:00 AM	Tuesday	SCRANTON RD	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Overturned	Other Motor Vehicle		Driver		Intersection	Not Stated
11/20/2013	11:00:00 PM	Wednesday	WESTMORE RD	REAGAN RD	100	East	Property Damage Only	0	0		Driving Under Influence	Hit Object	Fixed Object		Driver		Approaching/Departing	Not Stated
11/22/2013	10:08:00 AM	Friday	MIRAMAR RD	CARROLL RD	78	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/22/2013	6:29:00 PM	Friday	MIRA MESA BL	WESTONHILL DR	500	East	Complaint of Pain	1	0		Following Too Closely	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
11/23/2013	1:55:00 AM	Saturday	TIERRA GRANDE ST	KEARNY VILLA RD	28	West	Property Damage Only	0	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Intersection	Not Stated
11/24/2013	2:18:00 PM	Sunday	MIRA MESA BL	RICKERT RD	175	East	Complaint of Pain	1	0		Pedestrian Violation	Vehicle - Pedestrian	Pedestrian		Pedestrian	Driver	Approaching/Departing	Not Stated
11/26/2013	7:26:00 AM	Tuesday	MIRA MESA BL	GREENFORD DR	252	East	Complaint of Pain	2	0		Following Too Closely	Rear-End	Other Motor Vehicle			Driver	Approaching/Departing	Not Stated
11/27/2013	2:55:00 PM	Wednesday	MIRAMAR RD	DOWDY DR	0	West	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
11/27/2013	10:22:00 PM	Wednesday	SAN RAMON DR	FERNDALE ST	30	North	Property Damage Only	1	0		Improper Turning	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/2/2013	3:35:00 PM	Monday	KEARNY VILLA RD	MIRAMAR RD	350	South	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/2/2013	4:15:00 PM	Monday	CAM SANTA FE	MIRA MESA BL	110	North	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/3/2013	1:30:00 PM	Tuesday	CAM SANTA FE	TRADE ST	15	South	Complaint of Pain	1	0		Unsafe Speed	Overturned	Other Motor Vehicle		Driver		Intersection	Not Stated
12/3/2013	5:10:00 PM	Tuesday	SEQUENCE DR	MIRA MESA BL	233	North	Complaint of Pain	1	0		Driving Under Influence	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/4/2013	1:15:00 PM	Wednesday	MIRA MESA BL	I-15 SB OFF RA	297	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/6/2013		Friday	CAM RUIZ	GOLD COAST DR	80	South	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/6/2013	7:15:00 PM	Friday	MIRAMAR RD	CABOT DR	90	East	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/7/2013	2:20:00 PM	Saturday	VISTA SORRENTO PY	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0		Unsafe Speed	Hit Object	Fixed Object		Driver		Intersection	Not Stated
12/8/2013	10:23:00 AM	Sunday	PARKDALE AV	MIRA MESA BL	528	South	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/9/2013	2:40:00 PM	Monday	MIRA MESA BL	BLACK MTN RD	175	West	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/11/2013	8:05:00 AM	Wednesday	MIRAMAR RD	KEARNY VILLA RD	150	East	Complaint of Pain	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/12/2013	5:30:00 PM	Thursday	TRADE ST	CAM SANTA FE	9	East	Property Damage Only	1	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/12/2013	5:50:00 PM	Thursday	VISTA SORRENTO PY	DIRECTORS PL	528	West	Complaint of Pain	2	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Midblock	Not Stated
12/12/2013	8:28:00 PM	Thursday	CAM RUIZ	ACTIVITY RD	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/17/2013	2:30:00 PM	Tuesday	JADE COAST DR	SALUDA AV	108	West	Property Damage Only	0	0		Unsafe Lane Change	Other	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/19/2013	12:41:00 AM	Thursday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	2	0		Auto R/W Violation	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/19/2013	12:00:00 PM	Thursday	MIRA MESA BL	SCRANTON RD	255	West	Complaint of Pain	2	0		Wrong Side of Road	Head-On	Fixed Object		Driver	Driver	Approaching/Departing	Not Stated
12/19/2013	12:30:00 PM	Thursday	MIRAMAR RD	EMPIRE ST	0	Not Stated	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/19/2013	5:15:00 PM	Thursday	MIRA MESA BL	I-15 NB ON RA (W)	135	East	Property Damage Only	0	0		Unsafe Speed	Rear-End	Other Motor Vehicle		Driver	Driver	Approaching/Departing	Not Stated
12/20/2013	10:52:00 PM	Friday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0		Unsafe Lane Change	Sideswipe	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/21/2013	2:10:00 AM	Saturday	MAYA LINDA RD	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0		Driving Under Influence	Other	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
12/30/2013	8:30:00 PM	Monday	SUNNY MEADOW ST	NEW SALEM ST	75	North	Property Damage Only	0	0		Unsafe Starting or Backing	Rear-End	Other Motor Vehicle		Driver	Driver	Intersection	Not Stated
1/1/2014	1:06:00 AM	Wednesday	GOLD COAST DR	BLACK MTN RD	250	East	Complaint of Pain	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
1/3/2014	2:34:00 AM	Friday	ANDROMEDA RD	LYNX RD	415	East	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
1/3/2014	10:30:00 AM	Friday	MAYA LINDA RD	GOLD COAST DR	90	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/3/2014	12:30:00 PM	Friday	WESTVIEW PY	MIRA MESA BL	400	West	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
1/5/2014	11:05:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/7/2014	6:20:00 PM	Tuesday	CAM SANTA FE	MIRAMAR RD	0	Not Stated	Complaint of Pain	1	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/8/2014	11:20:00 AM	Wednesday	MIRA MESA BL	GREENFORD DR	16	South	Complaint of Pain	2	0	1	Impeding Traffic	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/9/2014	12:25:00 AM	Thursday	ACTIVITY RD	CLAYTON DR	0	East	Severe Injury	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/10/2014	11:20:00 PM	Friday	MIRAMAR RD	I-15 SB OFF RA	0	Not Stated	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/11/2014	9:15:00 AM	Saturday	SCRANTON RD	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Bicycle	Not Stated		Bicyclist	Intersection	Bicyclist
1/11/2014	11:07:00 AM	Saturday	MIRA MESA BL	CARRINGTON DR	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Other	Intersection	Other
1/11/2014	6:00:00 PM	Saturday	LUSK BL	PACIFIC CENTER BL	0	Not Stated	Property Damage Only	0	0	0	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
1/11/2014	9:00:00 PM	Saturday	MIRA MESA BL	WESTMORE RD	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/12/2014	2:47:00 PM	Sunday	MIRA MESA BL	PACIFIC HEIGHTS BL	0	Not Stated	Complaint of Pain	3	0	0	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/12/2014	5:22:00 PM	Sunday	CARROLL CANYON RD	I-15 NB	0	Not Stated	Other Visible Injury	1	0	0	Auto R/W Violation	Other	Non-Collision	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/12/2014	7:30:00 PM	Sunday	PARKDALE AV	GOLD COAST DR	138	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
1/13/2014	10:50:00 AM	Monday	CAPRICORN WY	PEGASUS AV	0	Not Stated	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/13/2014	4:35:00 PM	Monday	MIRAMAR RD	CABOT DR	6	West	Other Visible Injury	2	0	1	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/14/2014	12:56:00 PM	Tuesday	WESTVIEW PY	MIRA MESA BL	0	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/15/2014	6:02:00 AM	Wednesday	SCRIPPS POWAY PY	I-15 NB OFF RA	0	Not Stated	Severe Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/16/2014	10:14:00 AM	Thursday	BARNES CANYON RD	SCRANTON RD	7	North	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
1/17/2014	12:36:00 PM	Friday	MIRAMAR RD	CAM SANTA FE	51	East	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/19/2014	8:34:00 AM	Sunday	AQUARIUS DR	WESTONHILL DR	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/22/2014	6:15:00 PM	Wednesday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0		Other Improper Driving	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
1/22/2014	7:40:00 PM	Wednesday	BLACK MTN RD	GOLD COAST DR	20	West	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/22/2014	11:00:00 PM	Wednesday	MERCY RD	I-15 SB ON RA	27	West	Complaint of Pain	3	0		Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
1/23/2014	7:50:00 AM	Thursday	VALDOSTA AV	REAGAN RD	82	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
1/23/2014	6:22:00 PM	Thursday	MIRA MESA BL	HUENNEKENS ST	480	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/24/2014	12:13:00 PM	Friday	MIRAMAR RD	CAM RUIZ	41	South	Other Visible Injury	5	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/26/2014	10:58:00 AM	Sunday	MIRA MESA BL	BLACK MTN RD	244	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
1/27/2014	10:26:00 AM	Monday	GOLD COAST DR	AMBASSADOR AV	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/27/2014	12:04:00 PM	Monday	MIRAMAR RD	CABOT DR	974	East	Other Visible Injury	2	0	0	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
1/31/2014	12:26:00 PM	Friday	MIRA SORRENTO PL	VISTA SORRENTO PY	0	Not Stated	Complaint of Pain	1	0	1	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/31/2014	5:55:00 PM	Friday	MIRAMAR RD	PADGETT ST	25	West	Complaint of Pain	1	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/31/2014	6:40:00 PM	Friday	MIRA MESA BL	VIPER WY	135	West	Complaint of Pain	5	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/1/2014	10:48:00 PM	Saturday	BAYWOOD LN	GOLD COAST DR	246	North	Property Damage Only	0	0	1	Unsafe Starting or Backing	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
2/4/2014	3:58:00 AM	Tuesday	MIRA MESA BL	SCRANTON RD	492	West	Severe Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
2/4/2014	10:08:00 AM	Tuesday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/4/2014	4:10:00 PM	Tuesday	WESTVIEW PY	GALVIN AV	30	North	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/5/2014	7:53:00 PM	Wednesday	SORRENTO VALLEY BL	WINDWARD RIDGE WY	80	East	Complaint of Pain	2	0		Other Than Driver	Other	Animal	No Pedestrian Involved	Driver		Intersection	Not Stated
2/6/2014	2:15:00 PM	Thursday	MIRA MESA BL	VIPER WY	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/6/2014	3:35:00 PM	Thursday	CARROLL RD	CRESTMAR PT	14	West	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/8/2014	2:33:00 AM	Saturday	CAM RUIZ	JADE COAST RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/8/2014	10:00:00 AM	Saturday	MIRA MESA BL	WESTVIEW PY	1	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/9/2014	2:00:00 AM	Sunday	MIRA MESA BL	PACIFIC HEIGHTS BL	350	East	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
2/10/2014	5:17:00 PM	Monday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/13/2014	1:40:00 AM	Thursday	CAM RUIZ	JADE COAST DR	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Overturned	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
2/13/2014	1:10:00 PM	Thursday	OBERLIN DR	SCRANTON RD	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/14/2014	12:15:00 AM	Friday	SUMMERDALE RD	SUMMERDALE WY	350	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
2/14/2014	9:49:00 AM	Friday	MIRAMAR RD	KEARNY VILLA RD	100	West	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/15/2014	3:09:00 PM	Saturday	I-15 SB OFF RA	CARROLL CANYON RD	0	Not Stated	Other Visible Injury	4	0	1	Traffic Signals and Signs	Broadside	Pedestrian	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/18/2014	3:45:00 PM	Tuesday	HILLERY DR	BLACK MTN RD	0	Not Stated	Other Visible Injury	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/19/2014	9:35:00 AM	Wednesday	PARKDALE AV	CALICO ST	3	West	Complaint of Pain	1	0	1	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/19/2014	5:30:00 PM	Wednesday	MIRAMAR RD	COMMERCE AV	117	West	Property Damage Only	0	0	0	Unsafe Speed	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
2/20/2014		Thursday	FLANDERS DR	PENROD LN	31	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/20/2014	2:10:00 AM	Thursday	FLANDERS DR	ADERMAN AV	1560	East	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Midblock	Not Stated
2/20/2014	8:53:00 AM	Thursday	TELESIS CT	LUSK BL	12	West	Complaint of Pain	1	0	1	Unsafe Speed	Overturned	Non-Collision	No Pedestrian Involved	Driver		Intersection	
2/21/2014	6:58:00 AM	Friday	CAM SANTA FE	SPECTRUM LN	111	North	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/21/2014	11:00:00 PM	Friday	MERCY RD	BLACK MTN RD	32	West	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
2/22/2014	3:54:00 AM	Saturday	MIRA MESA BL	LUSK BL	0	Not Stated	Complaint of Pain	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/25/2014	6:30:00 AM	Tuesday	GOLD COAST DR	GLENELLEN LN	9	East	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/25/2014	9:58:00 PM	Tuesday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Complaint of Pain	1	0		Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
2/28/2014	4:33:00 PM	Friday	CALLE CRISTOBAL	CAMTO LA BAR (E)	238	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/28/2014	6:40:00 PM	Friday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Complaint of Pain	3	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/28/2014	10:03:00 PM	Friday	MONTONGO ST	TYROLEAN RD	0	Not Stated	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/1/2014	12:52:00 PM	Saturday	MIRA MESA BL	TARGET DY	5	North	Complaint of Pain	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Pedestrian	Driver	Intersection	Driver
3/2/2014	2:00:00 AM	Sunday	HILLERY DR	MARBURY AV	50	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
3/4/2014	9:00:00 AM	Tuesday	BLACK MTN RD	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
3/4/2014	7:03:00 PM	Tuesday	CALLE CRISTOBAL	CAM MIRANDA	0	Not Stated	Complaint of Pain	1	0	0	Traffic Signals and Signs	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/5/2014	5:09:00 PM	Wednesday	WESTMORE RD	SUMMERDALE WY	114	West	Other Visible Injury	1	0	1	Improper Turning	Broadside	Not Stated	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/6/2014	7:25:00 AM	Thursday	VIA SAN BLAS	CALLIANDRA RD	0	Not Stated	Other Visible Injury	1	0	1	Improper Passing	Sideswipe	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
3/6/2014	6:29:00 PM	Thursday	MIRA MESA BL	GREENFORD DR	0	Not Stated	Complaint of Pain	1	0	1	Improper Passing	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/9/2014	2:30:00 PM	Sunday	JADE COAST RD	CAM RUIZ	0	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
3/11/2014	7:14:00 AM	Tuesday	MIRAMAR RD	EMPIRE ST	550	West	Other Visible Injury	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
3/11/2014	11:59:00 PM	Tuesday	WESTVIEW PY	MARKETCENTER DY	32	South	Other Visible Injury	1	0		Other Improper Driving	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
3/12/2014	10:38:00 PM	Wednesday	MIRA MESA BL	TARGET DY	0	Not Stated	Other Visible Injury	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/14/2014	6:00:00 PM	Friday	FLANDERS DR	TOP GUN ST	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/15/2014	12:47:00 PM	Saturday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	1	Ped R/W Violation	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Driver	Pedestrian	Intersection	Pedestrian
3/15/2014	10:37:00 PM	Saturday	CAM RUIZ	ACTIVITY RD	36	South	Complaint of Pain	3	0	1	Traffic Signals and Signs	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/16/2014	8:44:00 AM	Sunday	MIRAMAR RD	CAM SANTA FE	274	East	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
3/16/2014	7:00:00 PM	Sunday	BLACK MTN RD	CARROLL CANYON RD	12	West	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/17/2014	7:55:00 AM	Monday	KEARNY MESA RD	MIRAMAR RD	5	West	Other Visible Injury	1	0	1	Not Stated	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/18/2014	2:56:00 AM	Tuesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/18/2014	8:20:00 AM	Tuesday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Other Visible Injury	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Not Stated	Pedestrian	Driver	Intersection	Driver
3/19/2014	4:30:00 PM	Wednesday	BLACK MTN RD	ACTIVITY RD	400	South	Property Damage Only	0	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
3/20/2014	3:55:00 AM	Thursday	ARJONS DR	DOWDY DR	1	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
3/20/2014	5:48:00 AM	Thursday	CAM SANTA FE	SUMMERS RIDGE RD	0	Not Stated	Other Visible Injury	3	0	1	Traffic Signals and Signs	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/21/2014	6:20:00 AM	Friday	HEMPHILL DR	HEMPHILL CT	116	East	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
3/21/2014	4:50:00 PM	Friday	BLACK MTN RD	HILLERY DR	100	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
3/24/2014	5:10:00 PM	Monday	CARROLL CANYON RD	MAYA LINDA RD	22	North	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/25/2014	7:40:00 AM	Tuesday	MIRA MESA BL	MARBURY AV	0	Not Stated	Other Visible Injury	1	0	1	Traffic Signals and Signs	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk Not At Intersection	Driver	Pedestrian	Intersection	Pedestrian
3/25/2014	9:10:00 AM	Tuesday	SUMMERS RIDGE RD	CAM SANTA FE	528	West	Property Damage Only	0	0	1	Improper Turning	Head-On	Fixed Object	No Pedestrian Involved	Driver		Midblock	
3/25/2014	1:00:00 PM	Tuesday	MERCY RD	I-15 SB	22	North	Complaint of Pain	1	0	1	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/27/2014	2:50:00 PM	Thursday	CAPRICORN WY	BLACK MTN RD	0	Not Stated	Complaint of Pain	3	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/28/2014	7:16:00 AM	Friday	NEW SALEM ST	ESMOND CT	30	South	Other Visible Injury	1	0	1	Improper Turning	Hit Object	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
3/29/2014	4:20:00 PM	Saturday	MIRA MESA BL	I-15 NB	300	West	Property Damage Only	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/30/2014	11:16:00 PM	Sunday	BLACK MTN RD	BABAUTA RD	18	North	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
3/31/2014	8:47:00 AM	Monday	BLACK MTN RD	MERCY RD	0	Not Stated	Property Damage Only	0	0	1	Not Stated	Not Stated	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
3/31/2014	10:37:00 PM	Monday	MAYA LINDA RD	CARROLL CANYON RD	43	North	Complaint of Pain	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
4/1/2014	3:30:00 PM	Tuesday	CAM RUIZ	CARROLL CANYON RD	0	North	Other Visible Injury	1	0	1	Other Hazardous Movement	Other	Not Stated	No Pedestrian Involved	Bicyclist		Intersection	
4/2/2014	9:30:00 AM	Wednesday	MIRA MESA BL	WESTONHILL DR	12	West	Complaint of Pain	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/2/2014	11:28:00 PM	Wednesday	CAPRICORN WY	FEATHERHILL LN	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
4/3/2014	5:12:00 PM	Thursday	LUSK BL	BARNES CANYON RD	51	North	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/5/2014	10:40:00 PM	Saturday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Other Visible Injury	1	0	0	Not Stated	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/5/2014	11:04:00 PM	Saturday	REAGAN RD	NEW SALEM ST (W)	61	South	Property Damage Only	0	0	1	Unsafe Speed	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/6/2014	4:25:00 PM	Sunday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Severe Injury	3	0	1	Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
4/7/2014	4:06:00 PM	Monday	BLACK MTN RD	CARROLL CANYON RD	0	Not Stated	Property Damage Only	0	0	1	Other Improper Driving	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
4/8/2014	2:46:00 PM	Tuesday	CAM RUIZ	JADE COAST DR	0	Not Stated	Other Visible Injury	3	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/10/2014	11:10:00 AM	Thursday	ACTIVITY RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Pedestrian	Driver	Intersection	Driver
4/10/2014	3:59:00 PM	Thursday	SORRENTO VALLEY BL	CAM SANTA FE	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/11/2014	6:17:00 PM	Friday	WESTBURY AV	REAGAN RD	101	East	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
4/12/2014	11:59:00 PM	Saturday	SCRIPPS POWAY PY	I-15 NB ON RA	57	East	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
4/13/2014	6:13:00 AM	Sunday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Other Visible Injury	1	0	1	Not Stated	Not Stated	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
4/15/2014	12:23:00 AM	Tuesday	MIRALANI DR	CAM RUIZ	330	West	Property Damage Only	0	0	1	Unsafe Starting or Backing	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
4/16/2014	6:53:00 AM	Wednesday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Other Visible Injury	1	0	0	Auto R/W Violation	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/17/2014	11:27:00 AM	Thursday	MIRA MESA BL	I-805 NB OFF RA (E)	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/17/2014	6:43:00 PM	Thursday	WESTONHILL DR	LIBRA DR	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/17/2014	10:05:00 PM	Thursday	CARROLL CENTRE RD	BLACK MTN RD	57	West	Property Damage Only	0	0	1	Not Stated	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
4/18/2014	4:00:00 PM	Friday	KIKA CT	MERCY RD	900	East	Property Damage Only	0	0	1	Unsafe Starting or Backing	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
4/18/2014	11:29:00 PM	Friday	PACIFIC MESA BL	PACIFIC HEIGHTS BL	120	East	Complaint of Pain	1	0	1	Unknown	Overturned	Non-Collision	No Pedestrian Involved	Driver		Approaching/Departing	Not Stated
4/21/2014	4:40:00 AM	Monday	MIRA MESA BL	WESTVIEW PY	42	East	Complaint of Pain	1	0	1	Traffic Signals and Signs	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/22/2014	2:00:00 AM	Tuesday	CAM RUIZ	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0	0	Improper Turning	Overturned	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
4/22/2014	4:53:00 PM	Tuesday	FERRIS SQ	BROWN DEER RD	0	Not Stated	Complaint of Pain	1	0	0	Improper Turning	Overturned	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
4/23/2014	7:40:00 AM	Wednesday	MIRA MESA BL	BLACK MTN RD	60	East	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/24/2014	11:20:00 AM	Thursday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/24/2014	6:00:00 PM	Thursday	MIRA MESA BL	NEW SALEM ST	0	Not Stated	Complaint of Pain	4	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/24/2014	6:10:00 PM	Thursday	MIRA MESA BL	VISTA SORRENTO PY	160	East	Property Damage Only	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/25/2014	2:58:00 AM	Friday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/25/2014	1:17:00 PM	Friday	SCRANTON RD	MIRA MESA BL	0	Not Stated	Other Visible Injury	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/25/2014	3:55:00 PM	Friday	MIRAMAR RD	COMMERCE AV	0	Not Stated	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/25/2014	7:48:00 PM	Friday	MIRAMAR RD	CAM RUIZ	1036	West	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
4/26/2014	3:30:00 AM	Saturday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Complaint of Pain	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/26/2014	1:50:00 PM	Saturday	NEW SALEM ST	NEW SALEM PT	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/26/2014	9:10:00 PM	Saturday	CAM RUIZ	CALLE CRISTOBAL	31	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/29/2014	8:07:00 AM	Tuesday	MIRAMAR RD	PADGETT ST	400	West	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
5/1/2014	5:15:00 PM	Thursday	BLACK MTN RD	CARROLL CENTRE RD	300	North	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/1/2014	11:54:00 PM	Thursday	MAYA LINDA RD	BLACK MTN RD	66	East	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
5/2/2014	9:00:00 AM	Friday	BLACK MTN RD	GOLD COAST DR	400	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Parked Vehicle	Parked Vehicle	Midblock	Parked Vehicle
5/2/2014	8:14:00 PM	Friday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Complaint of Pain	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/3/2014	6:11:00 PM	Saturday	CALLE CRISTOBAL	AVNDA DEL GATO	0	Not Stated	Other Visible Injury	3	0	1	Traffic Signals and Signs	Overturned	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/3/2014	6:20:00 PM	Saturday	MIRA MESA BL	WESTMORE RD	0	Not Stated	Fatal	0	1	1	Ped R/W Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
5/4/2014	7:05:00 AM	Sunday	SORRENTO VALLEY BL	VISTA SORRENTO PY	2000	East	Other Visible Injury	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
5/5/2014	6:11:00 PM	Monday	MIRA MESA BL	WESTVIEW PY	177	East	Complaint of Pain	1	0	1	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/6/2014	1:20:00 PM	Tuesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	3	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/7/2014	10:30:00 AM	Wednesday	MIRA MESA BL	STEADMAN ST	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Lane Change	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/8/2014	7:37:00 AM	Thursday	CAM SANTA FE	CTE SANTA FE	174	North	Other Visible Injury	1	0	1	Improper Turning	Not Stated	Other Object	No Pedestrian Involved	Driver	Other	Approaching/Departing	Other
5/10/2014	2:20:00 AM	Saturday	PARKDALE AV	BAGWELL CV	120	South	Severe Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
5/11/2014	2:00:00 AM	Sunday	MONTONGO ST	TYROLEAN RD	500	South	Property Damage Only	0	0	1	Improper Turning	Overturned	Train	No Pedestrian Involved	Driver		Midblock	
5/12/2014	4:30:00 PM	Monday	CALLE CRISTOBAL	WINDY RIDGE WY	0	East	Other Visible Injury	1	0	1	Improper Turning	Overturned	Fixed Object	No Pedestrian Involved	Driver		Intersection	
5/14/2014	12:49:00 PM	Wednesday	MERCY RD	BLACK MTN RD	0	Not Stated	Other Visible Injury	2	0	1	Traffic Signals and Signs	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/14/2014	1:44:00 PM	Wednesday	MIRA MESA BL	CAM RUIZ	10	East	Other Visible Injury	1	0	0	Not Stated	Not Stated	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Driver	Intersection	Driver
5/14/2014	6:25:00 PM	Wednesday	ACAMA ST	MONTONGO ST	200	West	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
5/14/2014	6:40:00 PM	Wednesday	MIRA MESA BL	GENETIC CENTER DR	0	Not Stated	Other Visible Injury	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/15/2014	4:45:00 PM	Thursday	MIRA MESA BL	STEADMAN ST	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/16/2014	6:12:00 AM	Friday	PADGETT ST	ACTIVITY RD	0	Not Stated	Other Visible Injury	1	0	1	Not Stated	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
5/16/2014	10:45:00 AM	Friday	MIRA MESA BL	I-15 NB	0	Not Stated	Complaint of Pain	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/16/2014	3:20:00 PM	Friday	MIRA MESA BL	BLACK MTN RD	40	West	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/16/2014	9:50:00 PM	Friday	MERCY RD	I-15 SB OFF RA	0	Not Stated	Complaint of Pain	3	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/17/2014	4:47:00 AM	Saturday	CAM RUIZ	GOLD COAST DR	486	South	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
5/17/2014	11:26:00 AM	Saturday	CARROLL CANYON RD	BLACK MTN RD	18	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/18/2014	2:58:00 AM	Sunday	JADE COAST DR	EAGLE ROCK AV	5	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
5/18/2014	10:17:00 PM	Sunday	POLARIS DR	KIRBY CT	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
5/20/2014	11:05:00 AM	Tuesday	FLANDERS DR	CAM RUIZ	180	West	Property Damage Only	1	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/21/2014	9:15:00 PM	Wednesday	MIRA MESA BL	WESTONHILL DR	18	South	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/21/2014	9:15:00 PM	Wednesday	MIRA MESA BL	WESTONHILL DR	18	South	Complaint of Pain	1	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/22/2014	7:40:00 AM	Thursday	CAM RUIZ	FLANDERS DR	52	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/22/2014	2:46:00 PM	Thursday	MIRA MESA BL	CAM RUIZ	407	East	Other Visible Injury	1	0	1	Wrong Side of Road	Broadside	Bicycle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
5/25/2014	12:07:00 AM	Sunday	NEW SALEM ST	CAM RUIZ	0	West	Other Visible Injury	1	0	1	Improper Turning	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
5/25/2014	9:15:00 AM	Sunday	BLACK MTN RD	MORNING BREEZE WY	24	North	Other Visible Injury	2	0	0	Wrong Side of Road	Head-On	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
5/25/2014	7:00:00 AM	Sunday	CAPRICORN WY	BOOTES ST	168	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
5/26/2014	2:30:00 AM	Monday	CAPRICORN WY	TERESA DR	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
5/26/2014	8:38:00 AM	Monday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/26/2014	8:45:00 AM	Monday	CALLE CRISTOBAL	CAM MIRANDA	0	Not Stated	Complaint of Pain	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/27/2014	8:58:00 AM	Tuesday	MIRA MESA BL	VISTA SORRENTO PY	0	West	Complaint of Pain	3	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/27/2014	9:13:00 AM	Tuesday	CAPRICORN WY	PEGASUS AV	295	East	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/28/2014	1:30:00 PM	Wednesday	MONTONGO ST	GAYLEN RD	40	West	Property Damage Only	0	0	0	Other Improper Driving	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Parked Vehicle	Parked Vehicle	Intersection	Not Stated
5/30/2014	2:30:00 AM	Friday	MAYA LINDA RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
5/30/2014	9:34:00 AM	Friday	MIRA MESA BL	SEQUENCE DR	386	West	Other Visible Injury	2	0	1	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
5/30/2014	11:40:00 AM	Friday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/30/2014	4:57:00 PM	Friday	LUSK BL	VISTA SORRENTO PY	0	Not Stated	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Not Stated	No Pedestrian Involved	Bicyclist	Bicyclist	Intersection	Bicyclist
5/30/2014	4:57:00 PM	Friday	MIRA MESA BL	PARKDALE AV	3	West	Other Visible Injury	1	0	1	Wrong Side of Road	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
5/30/2014	5:04:00 PM	Friday	NEW SALEM ST	CAM RUIZ	285	East	Property Damage Only	0	0	0	Other Improper Driving	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Not Stated
5/31/2014	5:28:00 AM	Saturday	MIRA MESA BL	CAM RUIZ	54	West	Other Visible Injury	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
5/31/2014	11:00:00 PM	Saturday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
5/31/2014	11:10:00 PM	Saturday	MIRA MESA BL	PARKDALE AV	203	East	Property Damage Only	0	0	1	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/1/2014	4:50:00 AM	Sunday	WESTVIEW PY	MIRA LEE WY	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
6/1/2014	3:14:00 PM	Sunday	MIRAMAR RD	PADGETT ST	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/1/2014	9:52:00 PM	Sunday	ARJONS DR	DOWDY DR	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Fixed Object	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
6/2/2014	9:16:00 PM	Monday	HILLERY DR	CAMTO CHUECO	148	West	Other Visible Injury	1	0	1	Not Stated	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
6/3/2014	2:37:00 PM	Tuesday	CALLE CRISTOBAL	THOMAS HAYES LN	0	Not Stated	Other Visible Injury	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/4/2014	9:42:00 AM	Wednesday	MIRAMAR RD	DISTRIBUTION AV	85	West	Severe Injury	1	0	1	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/5/2014	4:46:00 PM	Thursday	GOLD COAST DR	AMBASSADOR AV	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
6/6/2014	4:08:00 PM	Friday	LUSK BL	PACIFIC CENTER BL	500	West	Complaint of Pain	2	0	0	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
6/7/2014	8:30:00 PM	Saturday	MIRA MESA BL	I-15 NB ON RA (W)	150	West	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/7/2014	10:48:00 PM	Saturday	SORRENTO VALLEY BL	JASMINE CREST LN	14	East	Property Damage Only	0	0	1	Improper Turning	Not Stated	Fixed Object	Not Stated	Driver		Intersection	
6/9/2014	7:18:00 AM	Monday	ARJONS DR	TRADE PL	603	East	Other Visible Injury	2	0	1	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
6/10/2014	7:45:00 AM	Tuesday	GOLD COAST DR	WESTCHESTER AV	0	Not Stated	Other Visible Injury	1	0	1	Improper Turning	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
6/11/2014	3:55:00 PM	Wednesday	GOLD COAST DR	BLACK MTN RD	20	East	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/12/2014	2:30:00 AM	Thursday	DENNIG PL	MASON HEIGHTS LN	90	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
6/13/2014	8:42:00 AM	Friday	VISTA SORRENTO PY	MIRA MESA BL	0	West	Complaint of Pain	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
6/13/2014	4:50:00 PM	Friday	CAM RUIZ	MIRALANI DR	42	West	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/14/2014	9:00:00 AM	Saturday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Rear-End	Motor Vehicle on Other Roadway	Not Stated	Driver	Driver	Intersection	Driver
6/14/2014	10:40:00 AM	Saturday	MIRAMAR RD	FROST-MAR PL	0	West	Complaint of Pain	1	0	0	Other Hazardous Movement	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/14/2014	10:30:00 PM	Saturday	KIKA CT	MERCY RD	416	Not Stated	Property Damage Only	0	0	1	Not Stated	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
6/15/2014	1:30:00 AM	Sunday	CAPRICORN WY	SAGITTARIUS RD	50	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
6/15/2014	7:20:00 PM	Sunday	POMERADO RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
6/16/2014	7:55:00 AM	Monday	LUSK BL	VISTA SORRENTO PY	54	East	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
6/16/2014	2:00:00 PM	Monday	BLACK MTN RD	MIRA MESA BL	34	South	Property Damage Only	0	0	1	Unsafe Lane Change	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/17/2014	2:57:00 PM	Tuesday	BLACK MTN RD	GOLD COAST DR	0	North	Complaint of Pain	1	0	1	Wrong Side of Road	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
6/18/2014		Wednesday	WESTBURY AV	MERRINGTON PL	528	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Not Stated	No Pedestrian Involved	Parked Vehicle	Driver	Midblock	Driver
6/18/2014	6:15:00 AM	Wednesday	MIRAMAR RD	BLACK MTN RD	91	West	Property Damage Only	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/18/2014	3:05:00 PM	Wednesday	CAM RUIZ	REAGAN RD	41	East	Complaint of Pain	3	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/20/2014	10:09:00 PM	Friday	CAM RUIZ	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	0	Other Improper Driving	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
6/22/2014	12:50:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	18	East	Property Damage Only	0	0	0	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/23/2014	8:55:00 PM	Monday	CAM RUIZ	GOLD COAST DR	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/25/2014	8:30:00 PM	Wednesday	COMPASS POINT S DR	COMPASS POINT N DR	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
6/26/2014	3:45:00 AM	Thursday	MIRAMAR RD	CAM RUIZ	1	West	Other Visible Injury	1	0	1	Unsafe Speed	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/26/2014	11:32:00 AM	Thursday	MIRAMAR RD	CARROLL RD	0	Not Stated	Property Damage Only	0	0	0	Other Improper Driving	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
6/26/2014	3:15:00 PM	Thursday	CARROLL WY	CARROLL RD	0	Not Stated	Property Damage Only	0	0	0	Other Improper Driving	Other	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
6/26/2014	3:41:00 PM	Thursday	MAYA LINDA RD	BLACK MTN RD	16	South	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/26/2014	4:00:00 PM	Thursday	MERCY RD	BRANICOLE LN	0	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Intersection	
6/27/2014	9:44:00 AM	Friday	PACIFIC HEIGHTS BL	CORNERSTONE CT	16	North	Other Visible Injury	1	0	0	Other Than Driver	Overtuned	Non-Collision	No Pedestrian Involved	Bicyclist		Intersection	Not Stated



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
6/27/2014	6:45:00 PM	Friday	MIRAMAR RD	CARROLL RD	0	Not Stated	Complaint of Pain	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/27/2014	7:23:00 PM	Friday	WESTONHILL DR	ARCTURUS WY	7	West	Property Damage Only	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/30/2014	12:42:00 PM	Monday	MIRA MESA BL	SCHILLING AV	561	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
7/1/2014	6:50:00 AM	Tuesday	HYDRA LN	ANDROMEDA RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
7/2/2014	12:11:00 PM	Wednesday	CARROLL RD	KENAMAR DR	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/2/2014	3:54:00 PM	Wednesday	MIRAMAR RD	KEARNY VILLA RD	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/2/2014	6:20:00 PM	Wednesday	ACTIVITY RD	CAM RUIZ	500	East	Property Damage Only	0	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
7/2/2014	8:10:00 PM	Wednesday	CAM SANTA FE	GOLDEN GLEN LN	220	South	Other Visible Injury	1	0	0	Unsafe Speed	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	Driver
7/3/2014	11:49:00 AM	Thursday	CAM SANTA FE	CARROLL RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/4/2014	10:00:00 AM	Friday	MIRA MESA BL	REAGAN RD (W)	0	Not Stated	Other Visible Injury	2	0	1	Unsafe Lane Change	Rear-End	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/4/2014	11:49:00 PM	Friday	SCHILLING AV	ADERMAN AV	60	North	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/6/2014	5:14:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	201	East	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
7/7/2014	1:32:00 PM	Monday	ACTIVITY RD	PADGETT ST	500	West	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
7/8/2014	12:36:00 PM	Tuesday	MIRALANI DR	CAM RUIZ	398	West	Fatal	0	1	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
7/9/2014	9:25:00 AM	Wednesday	PRODUCTION AV	MIRAMAR RD	694	North	Property Damage Only	0	0		Not Stated	Vehicle - Pedestrian	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Not Stated
7/10/2014	6:12:00 PM	Thursday	MONTARA AV	ZAPATA AV	21	South	Property Damage Only	0	0	1	Improper Passing	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/11/2014	6:04:00 PM	Friday	SCRIPPS POWAY PY	I-15 NB ON RA	10	East	Complaint of Pain	1	0	1	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/11/2014	6:55:00 PM	Friday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Other Visible Injury	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/13/2014		Sunday	BAYWOOD AV	FLANDERS DR	60	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
7/13/2014	7:00:00 PM	Sunday	ZAPATA AV	CAM RUIZ	210	East	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
7/18/2014	5:58:00 PM	Friday	MIRAMAR RD	CAM RUIZ	175	East	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
7/20/2014	7:30:00 AM	Sunday	FLANDERS DR	BARON LN	80	East	Property Damage Only	0	0	1	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
7/23/2014	8:53:00 AM	Wednesday	MIRAMAR RD	DOWDY DR	20	East	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/25/2014	3:10:00 PM	Friday	MIRAMAR RD	EMPIRE ST	1	West	Complaint of Pain	1	0	0	Following Too Closely	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/26/2014	4:26:00 PM	Saturday	CAM SANTA FE	TRADE ST	525	North	Other Visible Injury	1	0	1	Unsafe Speed	Overturned	Non-Collision	No Pedestrian Involved	Driver		Midblock	
7/29/2014	12:18:00 PM	Tuesday	BLACK MTN RD	MERCY RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Overturned	Non-Collision	No Pedestrian Involved	Driver		Intersection	
7/30/2014	11:51:00 AM	Wednesday	BLACK MTN RD	MIRAMAR RD	392	North	Complaint of Pain	1	0	1	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
7/30/2014	2:20:00 PM	Wednesday	MIRA MESA BL	VIPER WY	20	West	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/30/2014	8:55:00 PM	Wednesday	BLACK MTN RD	CARROLL CANYON RD	15	North	Complaint of Pain	1	0	0	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/31/2014	3:00:00 PM	Thursday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
8/1/2014	9:16:00 PM	Friday	MIRA MESA BL	WESTONHILL DR	240	West	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/2/2014	2:40:00 AM	Saturday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/2/2014	9:20:00 AM	Saturday	MIRA MESA BL	REAGAN RD (W)	0	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/4/2014		Monday	MOREHOUSE DR	SCRANTON RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
8/4/2014	3:40:00 PM	Monday	TRADE ST	CAM SANTA FE	0	East	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/5/2014	2:15:00 PM	Tuesday	AMANTHA AV	FLANDERS DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
8/5/2014	6:25:00 PM	Tuesday	BLACK MTN RD	MIRA MESA BL	110	South	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	Driver
8/6/2014	1:46:00 AM	Wednesday	GREENFORD DR	CORD LN	24	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/8/2014	1:30:00 PM	Friday	FLANDERS DR	WESTONHILL DR	685	West	Property Damage Only	0	0		Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Not Stated
8/8/2014	4:00:00 PM	Friday	HEBRIDES DR	BARON DR	70	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/8/2014	9:42:00 PM	Friday	VISTA SORRENTO PY	MIRA SORRENTO PL	0	Not Stated	Complaint of Pain	1	0	0	Not Stated	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/9/2014	11:00:00 PM	Saturday	FLANDERS DR	BARON LN	0	Not Stated	Property Damage Only	0	0		Unknown	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
8/10/2014	3:39:00 PM	Sunday	MERCY RD	ALEMANIA RD	0	Not Stated	Property Damage Only	0	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/11/2014	3:00:00 PM	Monday	HILLERY DR	RICKERT RD	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
8/13/2014	9:40:00 AM	Wednesday	WESTONHILL DR	DEWSBURY AV	40	North	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/13/2014	4:10:00 PM	Wednesday	MIRA MESA BL	NEW SALEM ST	250	South	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/13/2014	6:00:00 PM	Wednesday	MIRA MESA BL	CAM RUIZ	538	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
8/15/2014	1:51:00 AM	Friday	ANDASOL ST	ACASO CT	51	South	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/17/2014	1:19:00 AM	Sunday	BLACK MTN RD	GOLD COAST DR	0	West	Property Damage Only	0	0		Not Stated	Hit Object	Fixed Object	Not Stated	Driver		Intersection	Not Stated
8/17/2014	6:51:00 PM	Sunday	REAGAN RD	CALICO ST	0	Not Stated	Other Visible Injury	1	0		Not Stated	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Not Stated
8/18/2014	6:32:00 PM	Monday	MARBURY AV	MIRA MESA BL	0	Not Stated	Other Visible Injury	2	0	1	Ped R/W Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
8/18/2014	6:34:00 PM	Monday	BLACK MTN RD	MIRA MESA BL	29	South	Property Damage Only	0	0	0	Other Improper Driving	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
8/19/2014	10:36:00 PM	Tuesday	WESTVIEW PY	HILLERY DR	26	West	Property Damage Only	0	0	1	Wrong Side of Road	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
8/20/2014		Wednesday	LONGRIDGE WY	KITE HILL LN	84	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Other	Parked Vehicle	Intersection	Parked Vehicle
8/20/2014	3:00:00 PM	Wednesday	SCRANTON RD	CARROLL CANYON RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
8/21/2014	12:09:00 PM	Thursday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/21/2014	5:55:00 PM	Thursday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Other Visible Injury	1	0	1	Improper Turning	Other	Not Stated	No Pedestrian Involved	Driver		Intersection	
8/22/2014	9:18:00 AM	Friday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	1	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Other	Intersection	Other
8/22/2014	11:50:00 AM	Friday	BLACK MTN RD	KEARNY VILLA RD	0	Not Stated	Complaint of Pain	1	0		Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
8/22/2014	2:03:00 PM	Friday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Other	Intersection	Other
8/22/2014	5:32:00 PM	Friday	MIRAMAR RD	EMPIRE ST	18	West	Property Damage Only	0	0	0	Other Improper Driving	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
8/24/2014	2:00:00 AM	Sunday	CAM RUIZ	WESTMORE RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
8/25/2014	7:50:00 AM	Monday	ARJONS DR	DOWDY DR	0	Not Stated	Other Visible Injury	1	0	1	Not Stated	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/26/2014	9:37:00 AM	Tuesday	MIRAMAR RD	PRODUCTION AV	100	East	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
8/27/2014	9:56:00 AM	Wednesday	MERCY RD	KIKA CT	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/27/2014	11:15:00 AM	Wednesday	MIRA MESA BL	ADERMAN AV	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
8/27/2014	2:35:00 PM	Wednesday	HILLERY DR	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
8/30/2014		Saturday	MIRAMAR RD	CAM RUIZ	0	West	Complaint of Pain	3	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/1/2014	4:10:00 PM	Monday	MAYA LINDA RD	MESA SPRINGS WY	394	West	Other Visible Injury	1	0	1	Unsafe Starting or Backing	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
9/3/2014	1:42:00 AM	Wednesday	CAM RUIZ	WESTMORE RD	175	South	Property Damage Only	0	0	1	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
9/3/2014	4:20:00 PM	Wednesday	BLACK MTN RD	ACTIVITY RD	1	South	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/3/2014	6:05:00 PM	Wednesday	MIRA MESA BL	NEW SALEM ST	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver		Intersection	Driver
9/5/2014	9:11:00 AM	Friday	MIRA MESA BL	BLACK MTN RD	12	West	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/5/2014	11:16:00 AM	Friday	MIRAMAR RD	COMMERCE AV	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/5/2014	12:00:00 PM	Friday	ELDERBURY CT	DEWSBURY AV	150	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
9/6/2014	2:33:00 AM	Saturday	MIRAMAR RD	I-15 SB ON RA	50	North	Complaint of Pain	1	0	0	Not Stated	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
9/6/2014	10:00:00 AM	Saturday	MIRAMAR RD	CAM RUIZ	500	East	Property Damage Only	0	0	1	Not Stated	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Not Stated
9/6/2014	11:27:00 PM	Saturday	FLOWER MEADOW DR	ANDASOL ST	120	West	Other Visible Injury	1	0	1	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
9/7/2014	6:00:00 PM	Sunday	WESTVIEW PY	MARKETCENTER DY	150	North	Other Visible Injury	1	0	1	Pedestrian Violation	Head-On	Pedestrian	Crossing In Crosswalk Not At Intersection	Pedestrian	Driver	Approaching/Departing	Driver
9/8/2014	12:00:00 PM	Monday	BLACK MTN RD	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0	1	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Not Stated
9/9/2014	2:19:00 PM	Tuesday	ACAMA ST	ACAMA CT	70	West	Other Visible Injury	1	0	1	Auto R/W Violation	Head-On	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
9/10/2014	1:10:00 AM	Wednesday	MIRAMAR RD	DOWDY DR	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/10/2014	7:20:00 AM	Wednesday	CAPRICORN WY	POLARIS DR	120	West	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
9/11/2014	2:18:00 AM	Thursday	GREENFORD DR	HILLERY DR	6	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
9/11/2014	6:14:00 PM	Thursday	WESTVIEW PY	MIRA MESA BL	6	North	Severe Injury	1	0	1	Wrong Side of Road	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
9/12/2014	4:45:00 PM	Friday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
9/14/2014	5:40:00 PM	Sunday	MIRAMAR RD	PADGETT ST	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
9/15/2014	8:26:00 AM	Monday	MIRAMAR RD	DISTRIBUTION AV	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/15/2014	9:55:00 AM	Monday	WESTVIEW PY	GALVIN AV	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/16/2014	12:30:00 AM	Tuesday	NEW SALEM ST	MONTONGO ST	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
9/17/2014	10:27:00 PM	Wednesday	CARROLL CANYON RD	MAYA LINDA RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/18/2014	10:14:00 PM	Thursday	BLACK MTN RD	CARROLL CENTRE RD	0	Not Stated	Other Visible Injury	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/19/2014	4:36:00 PM	Friday	KEARNY VILLA RD	CANDIDA ST	0	Not Stated	Other Visible Injury	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/20/2014	7:30:00 PM	Saturday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/21/2014	1:50:00 PM	Sunday	NEW SALEM ST	SUNNY MEADOW ST	138	West	Property Damage Only	0	0	1	Unsafe Starting or Backing	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
9/21/2014	5:48:00 PM	Sunday	CAM RUIZ	GOLD COAST DR	0	North	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/22/2014	12:30:00 AM	Monday	CALLE MORELOS	CAM RUIZ	0	Not Stated	Complaint of Pain	0	0	1	Not Stated	Head-On	Fixed Object	No Pedestrian Involved	Driver		Intersection	
9/24/2014	2:20:00 PM	Wednesday	CAM RUIZ	REAGAN RD	6	East	Complaint of Pain	1	0	1	Ped R/W Violation	Rear-End	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
9/25/2014	3:27:00 PM	Thursday	SCRANTON RD	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0	1	Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
9/27/2014	5:55:00 AM	Saturday	GOLD COAST DR	BROOKHURST LN	105	West	Property Damage Only	0	0	1	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
9/27/2014	6:51:00 PM	Saturday	ARROW ROCK AV	GOLD COAST DR	3	East	Property Damage Only	0	0	1	Unsafe Starting or Backing	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
9/29/2014	12:50:00 PM	Monday	WESTVIEW PY	HILLERY DR	30	South	Property Damage Only	0	0	1	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
9/29/2014	8:15:00 PM	Monday	CAMTO ALVAREZ	MIRA MESA BL	75	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/30/2014	12:33:00 AM	Tuesday	MOREHOUSE DR	LUSK BL	0	Not Stated	Property Damage Only	0	0	0	Unsafe Speed	Head-On	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
10/1/2014	12:26:00 PM	Wednesday	MIRA MESA BL	CAM RUIZ	33	South	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/2/2014	7:45:00 AM	Thursday	MERCY RD	KIKA CT	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
10/2/2014	11:19:00 AM	Thursday	NEW SALEM ST	REAGAN RD (W)	420	West	Complaint of Pain	1	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
10/2/2014	5:00:00 PM	Thursday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
10/3/2014	12:00:00 PM	Friday	WESTVIEW PY	MIRA MESA BL	360	South	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
10/3/2014	8:30:00 PM	Friday	MIRAMAR RD	CAM RUIZ	37	South	Other Visible Injury	3	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/4/2014		Saturday	CAPRICORN WY	FEATHERHILL LN	231	East	Property Damage Only	0	0	1	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
10/4/2014	12:19:00 AM	Saturday	PEGASUS AV	HATCHER LN	168	North	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
10/4/2014	11:00:00 AM	Saturday	HILLERY DR	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/8/2014	2:30:00 PM	Wednesday	MIRAMAR RD	CARROLL RD	100	East	Property Damage Only	0	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
10/9/2014	7:15:00 AM	Thursday	BLYTHE RD	BLYTHE CT	6	North	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/10/2014	7:15:00 AM	Friday	SCRIPPS POWAY PY	I-15 NB ON RA	28	East	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Driver
10/10/2014	3:21:00 PM	Friday	MIRAMAR RD	PADGETT ST	50	West	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/10/2014	3:48:00 PM	Friday	MIRA MESA BL	VISTA SORRENTO PY	0	Not Stated	Other Visible Injury	1	0	1	Unknown	Overturned	Non-Collision	No Pedestrian Involved	Driver		Intersection	Not Stated
10/12/2014	2:00:00 AM	Sunday	GOLD COAST DR	BLACK MTN RD	450	East	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
10/12/2014	8:20:00 PM	Sunday	MIRA MESA BL	BLACK MTN RD	100	East	Other Visible Injury	1	0	1	Improper Turning	Other	Non-Collision	No Pedestrian Involved	Driver		Approaching/Departing	
10/13/2014	8:10:00 AM	Monday	WESTMORE RD	SUMMERDALE RD	100	East	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
10/13/2014	9:05:00 PM	Monday	MIRA MESA BL	VIPER WY	0	Not Stated	Other Visible Injury	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/14/2014	7:28:00 AM	Tuesday	BLACK MTN RD	MIRAMAR COLLEGE DY	27	East	Complaint of Pain	1	0	0	Not Stated	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Bicyclist
10/14/2014	3:19:00 PM	Tuesday	MIRA MESA BL	GREENFORD DR	75	East	Complaint of Pain	0	0	0	Traffic Signals and Signs	Not Stated	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/16/2014	7:59:00 AM	Thursday	PACIFIC CENTER BL	MC KELLAR CT	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/16/2014	6:00:00 PM	Thursday	MIRA MESA BL	FLANDERS DR	0	Not Stated	Property Damage Only	1	0	1	Following Too Closely	Rear-End	Non-Collision	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/17/2014	7:28:00 PM	Friday	MIRA MESA BL	CAM SANTA FE	128	West	Severe Injury	1	0	1	Unsafe Lane Change	Rear-End	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Approaching/Departing	Driver
10/21/2014	12:43:00 AM	Tuesday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Other Visible Injury	2	0	0	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/21/2014	12:30:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	400	West	Other Visible Injury	0	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
10/21/2014	1:20:00 PM	Tuesday	GOLD COAST DR	WESTONHILL DR	3	East	Other Visible Injury	1	0	1	Traffic Signals and Signs	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
10/21/2014	3:35:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	8	South	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/21/2014	6:40:00 PM	Tuesday	CAM RUIZ	MIRA MESA BL	200	South	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
10/22/2014	2:30:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	600	East	Property Damage Only	0	0	1	Other Improper Driving	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Not Stated
10/23/2014	2:05:00 PM	Thursday	MIRA MESA BL	WESTVIEW PY	50	East	Complaint of Pain	2	0	1	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
10/23/2014	3:44:00 PM	Thursday	MIRA MESA BL	I-15 NB	150	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
10/24/2014	11:40:00 AM	Friday	RIVER RIM RD	MEYNCKE WY	135	North	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
10/24/2014	3:44:00 PM	Friday	MIRA MESA BL	MARBURY AV	65	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/24/2014	10:55:00 PM	Friday	MIRA MESA BL	GREENFORD DR	0	East	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/27/2014	4:00:00 PM	Monday	MIRA MESA BL	RICKERT RD	50	West	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/31/2014	2:58:00 PM	Friday	CAPRICORN WY	WESTONHILL DR	0	Not Stated	Other Visible Injury	1	0	0	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/1/2014	12:44:00 AM	Saturday	BLACK MTN RD	ROCKFIELD WY	0	Not Stated	Other Visible Injury	1	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
11/2/2014	5:40:00 PM	Sunday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Other Visible Injury	1	0	0	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Pedestrian	Driver	Intersection	Pedestrian
11/3/2014	2:44:00 PM	Monday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	1	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/3/2014	5:15:00 PM	Monday	MIRAMAR RD	CARROLL RD	240	West	Other Visible Injury	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/4/2014	8:20:00 AM	Tuesday	KEARNY VILLA RD	MIRAMAR RD	10	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/5/2014	1:51:00 PM	Wednesday	MIRA MESA BL	GREENFORD DR	0	North	Other Visible Injury	1	0	0	Unsafe Speed	Hit Object	Not Stated	No Pedestrian Involved		Bicyclist	Intersection	Bicyclist
11/5/2014	7:00:00 PM	Wednesday	MIRAMAR RD	CABOT DR	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/6/2014	5:45:00 AM	Thursday	MIRA MESA BL	VISTA SORRENTO PY	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/7/2014	2:30:00 PM	Friday	COMMERCE AV	MIRAMAR RD	200	South	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/7/2014	6:00:00 PM	Friday	MIRA MESA BL	PARKDALE AV	300	West	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/7/2014	7:00:00 PM	Friday	CAM RUIZ	JADE COAST DR	100	North	Property Damage Only	0	0	0	Other Improper Driving	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Not Stated
11/7/2014	11:18:00 PM	Friday	CAM SANTA FE	SUMMERS RIDGE RD	102	South	Other Visible Injury	4	0	1	Unsafe Lane Change	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/7/2014	11:35:00 PM	Friday	MIRA MESA BL	REAGAN RD (W)	27	East	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/9/2014	5:30:00 PM	Sunday	CAM RUIZ	GOLD COAST DR	320	South	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/10/2014	7:30:00 AM	Monday	PACIFIC HEIGHTS BL	BARNES CANYON RD	0	Not Stated	Other Visible Injury	1	0	1	Not Stated	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
11/11/2014	5:50:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	250	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
11/11/2014	6:00:00 PM	Tuesday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Pedestrian	Intersection	Driver
11/12/2014	10:55:00 AM	Wednesday	FLANDERS DR	FLANDERS PL	3	North	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/12/2014	4:30:00 PM	Wednesday	MIRAMAR RD	CAM RUIZ	130	West	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/13/2014	5:40:00 PM	Thursday	MARBURY AV	MIRA MESA BL	122	South	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/14/2014	9:35:00 PM	Friday	CAPRICORN WY	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/15/2014	9:10:00 PM	Saturday	CAM RUIZ	CALLE CRISTOBAL	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
11/17/2014	9:39:00 AM	Monday	CAM RUIZ	REAGAN RD	248	South	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/18/2014	6:05:00 PM	Tuesday	MIRA SORRENTO PL	VISTA SORRENTO PY	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/19/2014	3:30:00 PM	Wednesday	MIRAMAR RD	CAM SANTA FE	0	East	Complaint of Pain	1	0	1	Auto R/W Violation	Sideswipe	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/19/2014	4:00:00 PM	Wednesday	CAPRICORN WY	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	0	Ped R/W Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Driver
11/19/2014	4:30:00 PM	Wednesday	FLANDERS DR	SAN RAMON DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/19/2014	5:18:00 PM	Wednesday	MIRAMAR RD	PADGETT ST	100	Not Stated	Complaint of Pain	1	0	0	Unsafe Speed	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/21/2014	3:00:00 AM	Friday	WALLINGFORD RD	WALLINGFORD CT	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/21/2014	1:40:00 PM	Friday	BLACK MTN RD	MIRA MESA BL	33	North	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/21/2014	9:07:00 PM	Friday	CARROLL RD	REHCO RD	75	West	Property Damage Only	0	0	1	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/21/2014	11:00:00 PM	Friday	CARROLL CANYON RD	MAYA LINDA RD	87	North	Property Damage Only	0	0	1	Improper Turning	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/22/2014	7:27:00 AM	Saturday	MERCY RD	ALEMANIA RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Starting or Backing	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
11/22/2014	3:20:00 PM	Saturday	ARJONS DR	DUNBROOK RD	50	South	Severe Injury	1	0	0	Improper Turning	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Driver
11/22/2014	10:35:00 PM	Saturday	BLACK MTN RD	CAPRICORN WY	0	South	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/24/2014	2:50:00 PM	Monday	MIRAMAR RD	CARROLL RD	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/25/2014	11:00:00 AM	Tuesday	CARROLL WY	CARROLL RD	200	North	Property Damage Only	0	0	0	Not Stated	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Not Stated
11/25/2014	4:35:00 PM	Tuesday	MIRA MESA BL	REAGAN RD (W)	200	West	Complaint of Pain	3	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/27/2014	12:20:00 PM	Thursday	COVINA ST	SAN RAMON DR	0	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/28/2014	6:15:00 PM	Friday	WESTVIEW PY	GALVIN AV	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
11/29/2014	5:30:00 PM	Saturday	CAPRICORN WY	SUMMERSHADE LN	20	West	Property Damage Only	0	0	2	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	#N/A
12/1/2014	3:15:00 PM	Monday	WESTVIEW PY	MIRA MESA BL	350	South	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
12/1/2014	5:51:00 PM	Monday	MIRA MESA BL	WESTVIEW PY	486	East	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
12/1/2014	8:00:00 PM	Monday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Property Damage Only	1	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/2/2014		Tuesday	CARROLL RD	KENAMAR DR	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Overturned	Fixed Object	No Pedestrian Involved	Driver	Other	Intersection	Other
12/3/2014		Wednesday	WESTONHILL DR	TAURUS PL	90	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
12/3/2014	10:15:00 AM	Wednesday	CAM RUIZ	GOLD COAST DR	240	North	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Approaching/Departing	Bicyclist
12/5/2014	4:57:00 PM	Friday	MIRAMAR RD	CAM RUIZ	37	South	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/6/2014	9:28:00 AM	Saturday	CAM RUIZ	MIRA MESA BL	562	North	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
12/7/2014	11:50:00 AM	Sunday	CLAYTON DR	ACTIVITY RD	13	East	Other Visible Injury	1	0	0	Unsafe Speed	Other	Other Object	No Pedestrian Involved	Driver		Intersection	Driver
12/7/2014	4:00:00 PM	Sunday	CALLE CRISTOBAL	AVNDA DEL GATO	0	Not Stated	Other Visible Injury	1	0	0	Unsafe Speed	Not Stated	Other Object	No Pedestrian Involved	Driver		Intersection	Driver
12/8/2014	6:45:00 PM	Monday	REAGAN RD	WESTMORE RD	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/8/2014	9:40:00 PM	Monday	GOLD COAST DR	SAN RAMON DR	197	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
12/13/2014	9:55:00 AM	Saturday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/13/2014	9:41:00 PM	Saturday	JADE COAST DR	SUMMERVIEW CT	87	East	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
12/13/2014	11:56:00 PM	Saturday	MIRAMAR RD	DOWDY DR	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
12/17/2014	8:37:00 PM	Wednesday	KELOWNA RD	CAPRICORN WY	320	North	Property Damage Only	0	0	1	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
12/18/2014	6:00:00 PM	Thursday	CARROLL CANYON RD	CAMTO ZAR	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/19/2014	2:45:00 PM	Friday	LUSK BL	MIRA MESA BL	413	North	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
12/25/2014	5:00:00 AM	Thursday	CRATER DR	PENTICTON WY	400	North	Property Damage Only	0	0	1	Unsafe Starting or Backing	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
12/27/2014	12:52:00 PM	Saturday	MONTONGO ST	TYROLEAN RD	0	South	Fatal	0	1	1	Unsafe Speed	Overturned	Non-Collision	No Pedestrian Involved	Bicyclist		Intersection	

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
12/28/2014	1:15:00 AM	Sunday	LONDONDERRY AV	THREE SEASONS RD	39	North	Other Visible Injury	2	0	1	Unsafe Speed	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/29/2014	8:20:00 AM	Monday	CARROLL CANYON RD	MAYA LINDA RD	0	Not Stated	Complaint of Pain	1	0	1	Other Hazardous Movement	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
12/29/2014	9:45:00 AM	Monday	MIRAMAR RD	COMMERCE AV	1	East	Other Visible Injury	2	0	1	Other Hazardous Movement	Hit Object	Non-Collision	No Pedestrian Involved	Bicyclist	Bicyclist	Intersection	Bicyclist
12/30/2014	12:40:00 AM	Tuesday	ODELL RD	DANCY RD	105	South	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
12/31/2014	4:44:00 PM	Wednesday	MIRA MESA BL	PACIFIC HEIGHTS BL	98	West	Other Visible Injury	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/1/2015	7:25:00 AM	Thursday	CALLE MINAS	CALLE MORELOS	300	South	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
1/1/2015	7:15:00 PM	Thursday	POLARIS DR	BRENTFORD AV	120	South	Property Damage Only	0	0	1	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
1/3/2015	11:55:00 AM	Saturday	CAM RUIZ	CARROLL CANYON RD	110	North	Other Visible Injury	1	0	0	Improper Turning	Overturned	Not Stated	No Pedestrian Involved	Bicyclist		Approaching/Departing	Bicyclist
1/5/2015	3:48:00 PM	Monday	CAM RUIZ	MIRALANI DR	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
1/5/2015	6:30:00 PM	Monday	MIRAMAR RD	MITSCHER WY	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/6/2015	6:59:00 AM	Tuesday	THANKSGIVING LN	THREE SEASONS RD (W)	0	South	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/6/2015	7:17:00 AM	Tuesday	GOLD COAST DR	LIPSCOMB DR	84	West	Property Damage Only	0	0	0	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
1/6/2015	7:33:00 AM	Tuesday	CARROLL CANYON RD	I-15 NB	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/7/2015	7:48:00 AM	Wednesday	CAM RUIZ	NEW SALEM ST	8	East	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver
1/9/2015	9:50:00 AM	Friday	SAN RAMON DR	HEBRIDES DR	54	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/9/2015	9:46:00 PM	Friday	WESTMORE RD	SUMMERDALE WY	96	West	Property Damage Only	0	0	0	Driving Under Influence	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
1/10/2015	8:04:00 AM	Saturday	EMBRY WY	BACADI DR	71	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
1/11/2015	5:45:00 PM	Sunday	CAPRICORN WY	WESTONHILL DR	10	East	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/13/2015	10:00:00 AM	Tuesday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/14/2015	5:29:00 PM	Wednesday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/15/2015	6:11:00 PM	Thursday	CAM RUIZ	GOLD COAST DR	121	South	Property Damage Only	0	0	1	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
1/17/2015	9:20:00 AM	Saturday	CAPRICORN WY	WESTVIEW PY	0	West	Complaint of Pain	1	0	1	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
1/17/2015	2:30:00 PM	Saturday	CAPRICORN WY	BLACK MTN RD	0	Not Stated	Complaint of Pain	2	0	1	Improper Turning	Sideswipe	Non-Collision	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/17/2015	5:38:00 PM	Saturday	CAM RUIZ	WESTMORE RD	30	North	Other Visible Injury	1	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/18/2015	6:50:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	30	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/19/2015	8:32:00 PM	Monday	PACIFIC HEIGHTS BL	CARROLL CANYON RD	0	Not Stated	Other Visible Injury	1	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
1/19/2015	9:45:00 PM	Monday	MERCY RD	I-15 SB	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/21/2015	10:41:00 PM	Wednesday	CAM RUIZ	LAPIZ DR	0	West	Complaint of Pain	1	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
1/22/2015	9:00:00 AM	Thursday	CAM RUIZ	CARROLL CANYON RD	500	North	Other Visible Injury	1	0	0	Unsafe Speed	Other	Non-Collision	No Pedestrian Involved	Driver		Midblock	Driver
1/23/2015	9:30:00 AM	Friday	BLACK MTN RD	MERCY RD	0	West	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
1/23/2015	8:56:00 PM	Friday	MIRAMAR RD	CARROLL RD	305	East	Other Visible Injury	1	0	1	Improper Passing	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
1/25/2015	12:45:00 PM	Sunday	WESTVIEW PY	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
1/28/2015	6:42:00 PM	Wednesday	REAGAN RD	MIRA MESA BL (E)	500	South	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
1/28/2015	8:00:00 PM	Wednesday	CARROLL CANYON RD	CAMTO ZAR	18	West	Property Damage Only	0	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/29/2015	6:07:00 AM	Thursday	LUSK BL	WATERIDGE CR (E)	0	East	Property Damage Only	0	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
1/29/2015	5:25:00 PM	Thursday	CAM SANTA FE	CALLE CRISTOBAL	186	South	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Approaching/Departing	Bicyclist
1/29/2015	7:37:00 PM	Thursday	MIRA MESA BL	GREENFORD DR	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/31/2015	12:29:00 AM	Saturday	MIRAMAR RD	CARROLL RD	0	South	Property Damage Only	0	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
1/31/2015	7:10:00 PM	Saturday	MIRA MESA BL	NEW SALEM ST	0	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/1/2015	2:11:00 PM	Sunday	MIRA MESA BL	I-15 SB OFF RA	0	Not Stated	Fatal	1	1	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/2/2015	9:32:00 AM	Monday	CAM RUIZ	WESTMORE RD	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/4/2015	2:04:00 PM	Wednesday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/5/2015	4:35:00 PM	Thursday	BLACK MTN RD	MIRAMAR COLLEGE DY	160	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/5/2015	6:00:00 PM	Thursday	MIRA MESA BL	I-15 SB ON RA (W)	126	East	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
2/6/2015	4:05:00 PM	Friday	MIRA MESA BL	CAM RUIZ	436	West	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
2/6/2015	5:18:00 PM	Friday	CAM RUIZ	ACTIVITY RD	0	Not Stated	Complaint of Pain	2	0	0	Traffic Signals and Signs	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
2/7/2015	10:51:00 PM	Saturday	WESTCHESTER AV	DUNHOLME ST	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/8/2015	3:14:00 AM	Sunday	BROOKHURST AV	FLANDERS DR	210	South	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
2/8/2015	3:15:00 AM	Sunday	FLANDERS DR	CAMTO GLENELLEN	47	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Pedestrian	Parked Vehicle	Intersection	Parked Vehicle
2/9/2015	4:30:00 PM	Monday	NANCY RIDGE DR	CARROLL CANYON RD	81	East	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/10/2015	11:25:00 AM	Tuesday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	2	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/11/2015	6:35:00 PM	Wednesday	SCRANTON RD	MOREHOUSE DR	5	North	Other Visible Injury	1	0	0	Ped R/W Violation	Sideswipe	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Driver
2/11/2015	8:50:00 PM	Wednesday	CABOT DR	MIRAMAR RD	0	North	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/12/2015	4:00:00 PM	Thursday	VIA EXCELENCIA	VIA PASAR	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Head-On	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
2/12/2015	9:30:00 PM	Thursday	MERCY RD	I-15 SB ON RA	30	West	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/13/2015	12:15:00 PM	Friday	BLACK MTN RD	MIRA MESA BL	15	South	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/14/2015	3:45:00 AM	Saturday	CARROLL CANYON RD	CAMTO ZAR	44	West	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
2/14/2015	5:40:00 PM	Saturday	MIRAMAR RD	CLAYTON DR	300	West	Property Damage Only	0	0	0	Unsafe Starting or Backing	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
2/15/2015	7:10:00 PM	Sunday	ACTIVITY RD	CLAYTON DR	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
2/16/2015	1:35:00 PM	Monday	MERCY RD	ALEMANIA RD	0	Not Stated	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/17/2015	1:27:00 AM	Tuesday	CAM RUIZ	CAPRICORN WY	150	South	Other Visible Injury	1	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
2/17/2015	3:14:00 PM	Tuesday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/17/2015	4:55:00 PM	Tuesday	CAM SANTA FE	RASHA ST	0	Not Stated	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Not Stated
2/18/2015	5:58:00 PM	Wednesday	SORRENTO VALLEY BL	VISTA DEL AGUA WY	114	East	Other Visible Injury	1	0	1	Improper Turning	Not Stated	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
2/19/2015	7:55:00 AM	Thursday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0		Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
2/19/2015	10:15:00 AM	Thursday	CAM SANTA FE	TRADE ST	0	Not Stated	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/19/2015	7:25:00 PM	Thursday	MIRAMAR RD	KEARNY VILLA RD	0	Not Stated	Property Damage Only	0	0	1	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
2/19/2015	11:25:00 PM	Thursday	REAGAN RD	MIRA MESA BL (W)	20	North	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/20/2015	4:55:00 AM	Friday	MIRA MESA BL	SCRANTON RD	20	North	Complaint of Pain	1	0	1	Improper Turning	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/21/2015	6:45:00 PM	Saturday	CAMTO ALVAREZ	FLANDERS DR	0	North	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
2/21/2015	7:45:00 PM	Saturday	MIRA MESA BL	REAGAN RD (W)	900	East	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
2/23/2015	11:31:00 AM	Monday	CAM RUIZ	REAGAN RD	300	North	Complaint of Pain	1	0	0	Improper Turning	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Approaching/Departing	Driver
2/24/2015	12:03:00 AM	Tuesday	CAM RUIZ	GOLD COAST DR	214	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
2/24/2015	12:23:00 PM	Tuesday	LUSK BL	BARNES CANYON RD	100	East	Property Damage Only	0	0	0	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	Driver
2/24/2015	10:18:00 PM	Tuesday	SORRENTO VALLEY BL	WINDWARD RIDGE WY	65	South	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
2/27/2015		Friday	GOLD COAST DR	GREENFORD DR	0	Not Stated	Property Damage Only	0	0		Unknown	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
2/27/2015	8:10:00 AM	Friday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
3/2/2015	9:45:00 AM	Monday	CAM SANTA FE	RASHA ST	25	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/2/2015	3:30:00 PM	Monday	PACIFIC CENTER BL	PACIFIC MESA BL	300	West	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/4/2015	9:32:00 AM	Wednesday	LUSK BL	MIRA MESA BL	312	North	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/5/2015	7:05:00 PM	Thursday	MIRAMAR RD	MILCH RD	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/5/2015	10:50:00 PM	Thursday	CAM RUIZ	WESTMORE RD	200	North	Other Visible Injury	1	0	1	Unsafe Speed	Other	Non-Collision	No Pedestrian Involved	Bicyclist		Approaching/Departing	
3/6/2015	1:44:00 PM	Friday	GOLD COAST DR	GOLD COAST PL	0	Not Stated	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/7/2015	11:50:00 PM	Saturday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/9/2015	3:00:00 PM	Monday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	2	0		Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
3/10/2015	7:07:00 PM	Tuesday	REAGAN RD	MIRA MESA BL (W)	19	South	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
3/10/2015	7:10:00 PM	Tuesday	SCRIPPS POWAY PY	I-15 NB ON RA	5	South	Other Visible Injury	3	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver
3/11/2015	4:35:00 PM	Wednesday	ARJONS DR	DOWDY DR	0	East	Complaint of Pain	1	0	1	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/12/2015	4:45:00 AM	Thursday	MIRAMAR RD	BLACK MTN RD	15	East	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/12/2015	7:40:00 AM	Thursday	MIRAMAR RD	PADGETT ST	0	Not Stated	Property Damage Only	0	0		Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
3/13/2015	7:43:00 AM	Friday	MIRAMAR RD	KEARNY MESA RD	103	East	Property Damage Only	0	0	1	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/13/2015	9:40:00 PM	Friday	MIRAMAR RD	CAM RUIZ	54	Not Stated	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/14/2015	7:05:00 AM	Saturday	CALLE CRISTOBAL	ACAMA CT	105	West	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
3/14/2015	10:14:00 AM	Saturday	CAM SANTA FE	MAYCREST LN	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/15/2015	3:30:00 PM	Sunday	MIRA MESA BL	MARBURY AV	179	West	Complaint of Pain	1	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/17/2015	4:10:00 AM	Tuesday	CARROLL CANYON RD	MAYA LINDA RD	36	West	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/17/2015	1:00:00 PM	Tuesday	BENNINGTON ST	WESTONHILL DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
3/18/2015	11:00:00 AM	Wednesday	LYNX RD	PISCES WY	0	Not Stated	Property Damage Only	0	0	1	Unsafe Starting or Backing	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/19/2015	6:22:00 PM	Thursday	MIRA MESA BL	GREENFORD DR	85	South	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
3/19/2015	6:55:00 PM	Thursday	CALLE CRISTOBAL	CAMTO LA BAR (W)	36	North	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/22/2015	4:00:00 AM	Sunday	CALLE MORELOS	CALLE MINAS	2	East	Property Damage Only	0	0	0	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/22/2015	9:50:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/23/2015	5:00:00 PM	Monday	PACIFIC CENTER BL	PACIFIC HEIGHTS BL	200	West	Property Damage Only	0	0	1	Unsafe Starting or Backing	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
3/24/2015	6:15:00 PM	Tuesday	MIRA MESA BL	I-15 SB	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/24/2015	6:20:00 PM	Tuesday	REAGAN RD	CAM RUIZ	0	Not Stated	Fatal	0	1	1	Ped R/W Violation	Vehicle - Pedestrian	Pedestrian	No Pedestrian Involved	Driver	Pedestrian	Intersection	Pedestrian
3/26/2015	11:05:00 AM	Thursday	MIRAMAR RD	COMMERCE AV	200	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/27/2015	2:35:00 PM	Friday	CAM RUIZ	NEW SALEM ST	37	North	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/27/2015	5:29:00 PM	Friday	MIRAMAR RD	DOWDY DR	0	Not Stated	Other Visible Injury	1	0	0	Unsafe Speed	Not Stated	Non-Collision	No Pedestrian Involved	Bicyclist		Intersection	Bicyclist
3/27/2015	6:50:00 PM	Friday	MIRAMAR RD	PADGETT ST	8	East	Complaint of Pain	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/28/2015	8:58:00 PM	Saturday	KEARNY VILLA RD	KEARNY MESA RD	100	South	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
3/29/2015	10:00:00 AM	Sunday	KEARNY VILLA RD	CANDIDA ST	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Intersection	Bicyclist
3/29/2015	10:12:00 AM	Sunday	JADE COAST DR	DRUMCLIFF AV	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/29/2015	12:30:00 PM	Sunday	HILLERY DR	GREENFORD DR	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
3/30/2015	6:13:00 AM	Monday	GOLD COAST DR	WESTONHILL DR	0	Not Stated	Severe Injury	1	0	0	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Pedestrian	Driver	Intersection	Pedestrian
3/30/2015	5:50:00 PM	Monday	MIRA MESA BL	I-15 SB	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
3/31/2015		Tuesday	SCRIPPS VISTA WY	ERMA RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Not Stated
3/31/2015	4:45:00 AM	Tuesday	MIRAMAR RD	CLAYTON DR	0	Not Stated	Complaint of Pain	2	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
4/3/2015	9:52:00 AM	Friday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0	1	Not Stated	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
4/3/2015	7:56:00 PM	Friday	REAGAN RD	MIRA MESA BL (W)	112	North	Complaint of Pain	1	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/4/2015	9:01:00 AM	Saturday	MERCY RD	ALEMANIA RD	104	West	Property Damage Only	0	0		Other Improper Driving	Hit Object	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Not Stated
4/7/2015	7:30:00 AM	Tuesday	MERCY RD	I-15 SB OFF RA	300	East	Complaint of Pain	1	0	0	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/8/2015	8:10:00 AM	Wednesday	MIRA MESA BL	SEQUENCE DR	1	South	Property Damage Only	0	0	0	Ped R/W Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Driver
4/9/2015	7:01:00 AM	Thursday	MIRAMAR RD	PADGETT ST	0	South	Other Visible Injury	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/9/2015	5:00:00 PM	Thursday	CAM SANTA FE	CTE SANTA FE	0	Not Stated	Other Visible Injury	2	0	0	Improper Turning	Overturned	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/9/2015	7:30:00 PM	Thursday	BLACK MTN RD	ACTIVITY RD	0	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/9/2015	8:09:00 PM	Thursday	SORRENTO VALLEY BL	CAM SANTA FE	0	Not Stated	Complaint of Pain	2	0	1	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/10/2015	4:54:00 AM	Friday	MIRAMAR RD	PRODUCTION AV	180	West	Other Visible Injury	1	0	0	Improper Turning	Hit Object	Train	No Pedestrian Involved	Driver		Approaching/Departing	Driver
4/10/2015	9:16:00 PM	Friday	ACTIVITY RD	BLACK MTN RD	452	West	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Parked Vehicle
4/12/2015	6:50:00 PM	Sunday	CAM SANTA FE	TOP GUN ST	0	Not Stated	Other Visible Injury	1	0		Unknown	Other	Non-Collision	No Pedestrian Involved	Bicyclist		Intersection	Not Stated
4/14/2015	1:15:00 PM	Tuesday	MIRA MESA BL	I-15 NB	0	Not Stated	Property Damage Only	0	0		Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
4/14/2015	3:43:00 PM	Tuesday	ARJONS DR	DOWDY DR	210	West	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/14/2015	6:52:00 PM	Tuesday	CANDIDA ST	TIERRA GRANDE ST	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Starting or Backing	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/15/2015	12:59:00 PM	Wednesday	BLACK MTN RD	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	4	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/15/2015	5:30:00 PM	Wednesday	BLACK MTN RD	ACTIVITY RD	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
4/17/2015	6:30:00 PM	Friday	MIRAMAR RD	BLACK MTN RD	15	East	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/18/2015	1:35:00 PM	Saturday	ADERMAN AV	MIRA MESA BL	0	Not Stated	Complaint of Pain	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/18/2015	8:50:00 PM	Saturday	CALLE CRISTOBAL	BRENNER SPRINGS WY	378	East	Complaint of Pain	1	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Midblock	
4/19/2015	9:30:00 PM	Sunday	MERCY RD	KIKA CT	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
4/20/2015	8:23:00 AM	Monday	BLACK MTN RD	MIRAMAR COLLEGE DY	30	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/20/2015	11:30:00 AM	Monday	MIRAMAR RD	I-15 SB OFF RA	102	East	Complaint of Pain	1	0	0	Following Too Closely	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/21/2015	11:54:00 AM	Tuesday	MERCY RD	I-15 SB	0	North	Complaint of Pain	1	0		Unknown	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
4/21/2015	1:00:00 PM	Tuesday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
4/21/2015	9:10:00 PM	Tuesday	PACIFIC MESA BL	PACIFIC MESA CT	177	North	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
4/22/2015	6:30:00 PM	Wednesday	MIRA MESA BL	BLACK MTN RD	452	East	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
4/23/2015	2:45:00 PM	Thursday	MIRA MESA BL	SCRANTON RD	100	East	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/23/2015	9:55:00 PM	Thursday	CAPRICORN WY	SAGITTARIUS RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/24/2015	11:52:00 AM	Friday	MIRAMAR RD	CABOT DR	33	South	Other Visible Injury	3	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/27/2015	12:30:00 PM	Monday	CARROLL CANYON RD	CAMTO ZAR	124	West	Property Damage Only	0	0		Following Too Closely	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
4/28/2015	6:30:00 PM	Tuesday	CAPRICORN WY	CRATER DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
4/29/2015	7:00:00 AM	Wednesday	MIRAMAR RD	DISTRIBUTION AV	400	East	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
4/29/2015	8:05:00 AM	Wednesday	MIRAMAR RD	CAM RUIZ	38	South	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
4/30/2015	10:52:00 AM	Thursday	CALLE CRISTOBAL	WINDY RIDGE WY	30	East	Complaint of Pain	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/1/2015	7:50:00 AM	Friday	MIRA MESA BL	I-15 SB OFF RA	100	West	Other Visible Injury	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/5/2015		Tuesday	WESTVIEW PY	HILLERY DR	0	West	Property Damage Only	0	0	1	Improper Turning	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
5/5/2015	6:20:00 PM	Tuesday	BLACK MTN RD	WESTVIEW PY	0	Not Stated	Other Visible Injury	2	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/7/2015	5:05:00 PM	Thursday	BLACK MTN RD	CAPRICORN WY	44	North	Other Visible Injury	0	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/8/2015	6:30:00 AM	Friday	CAM SANTA FE	MIRATECH DR	348	North	Other Visible Injury	1	0	0	Unsafe Speed	Broadside	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	Driver
5/10/2015	5:01:00 AM	Sunday	ACTIVITY RD	CLAYTON DR	215	East	Property Damage Only	0	0	1	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	
5/11/2015	9:55:00 AM	Monday	LUSK BL	VISTA SORRENTO PY	36	East	Other Visible Injury	1	0	0	Unsafe Speed	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/11/2015	10:50:00 AM	Monday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Property Damage Only	0	0		Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
5/11/2015	5:39:00 PM	Monday	MIRAMAR RD	PRODUCTION AV	0	Not Stated	Complaint of Pain	2	0		Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
5/12/2015	2:50:00 PM	Tuesday	MIRA MESA BL	I-15 NB ON RA (W)	350	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
5/12/2015	10:32:00 PM	Tuesday	HILLERY DR	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/12/2015	11:01:00 PM	Tuesday	CAM RUIZ	TERESA DR	105	South	Property Damage Only	0	0	0	Unsafe Starting or Backing	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Approaching/Departing	Driver
5/13/2015	4:40:00 AM	Wednesday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/14/2015	4:45:00 PM	Thursday	MIRA MESA BL	MARBURY AV	1	West	Complaint of Pain	1	0	1	Improper Passing	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/15/2015	10:16:00 PM	Friday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Other Visible Injury	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/16/2015		Saturday	ALEMANIA RD	MERCY RD	158	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
5/16/2015	6:00:00 PM	Saturday	CAPRICORN WY	WESTONHILL DR	240	West	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
5/16/2015	10:58:00 PM	Saturday	CARROLL CANYON RD	I-15 SB OFF RA	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/18/2015	9:50:00 PM	Monday	MIRAMAR RD	CLAYTON DR	5	South	Other Visible Injury	1	0	0	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/19/2015	2:36:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	0	Not Stated	Other Visible Injury	4	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/19/2015	5:40:00 PM	Tuesday	CAM RUIZ	MIRAMAR RD	25	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/19/2015	6:32:00 PM	Tuesday	MIRAMAR RD	CABOT DR	27	North	Property Damage Only	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/20/2015	1:00:00 PM	Wednesday	MIRA MESA BL	SCHILLING AV	100	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/20/2015	1:08:00 PM	Wednesday	CARROLL CANYON RD	PACIFIC HEIGHTS BL	147	West	Other Visible Injury	2	0	1	Wrong Side of Road	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/23/2015	5:00:00 PM	Saturday	WESTONHILL DR	OCTANS ST	0	Not Stated	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/23/2015	7:45:00 PM	Saturday	SCRIPPS POWAY PY	I-15 NB ON RA	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/24/2015	10:23:00 AM	Sunday	BLACK MTN RD	GEMINI AV	115	South	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
5/24/2015	10:30:00 AM	Sunday	CAMTO ALVAREZ	MIRA MESA BL	110	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
5/25/2015	6:20:00 AM	Monday	ASPENDELL DR	BRECKENRIDGE DR	5310	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
5/25/2015	8:33:00 AM	Monday	BLACK MTN RD	CARROLL CANYON RD	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/25/2015	9:06:00 AM	Monday	BLACK MTN RD	GEMINI AV	0	Not Stated	Other Visible Injury	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/26/2015	9:00:00 AM	Tuesday	HILLERY DR	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/26/2015	6:00:00 PM	Tuesday	PACIFIC CENTER BL	PACIFIC MESA BL	500	East	Property Damage Only	0	0		Other Improper Driving	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Not Stated
5/27/2015	10:55:00 AM	Wednesday	MIRAMAR RD	I-15 SB OFF RA	0	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/27/2015	11:00:00 AM	Wednesday	MIRAMAR RD	CARROLL RD	0	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/27/2015	4:56:00 PM	Wednesday	ARJONS DR	MIRALANI DR	0	Not Stated	Complaint of Pain	1	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
5/29/2015		Friday	POLARIS DR	CAPRICORN WY	165	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
5/31/2015	6:51:00 PM	Sunday	CAM RUIZ	REAGAN RD	45	South	Other Visible Injury	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/1/2015	5:06:00 PM	Monday	CAM RUIZ	MIRALANI DR	150	North	Complaint of Pain	3	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/2/2015	7:55:00 PM	Tuesday	CAM RUIZ	FLANDERS DR	138	North	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/4/2015	12:47:00 PM	Thursday	MIRA MESA BL	MARBURY AV	0	Not Stated	Complaint of Pain	1	0	0	Wrong Side of Road	Broadside	Not Stated	Not Stated	Bicyclist	Driver	Intersection	Bicyclist
6/5/2015	9:30:00 AM	Friday	CAM RUIZ	REAGAN RD	300	South	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/7/2015	1:05:00 PM	Sunday	BLACK MTN RD	CAPRICORN WY	20	South	Other Visible Injury	1	0	1	Unsafe Speed	Other	Not Stated	No Pedestrian Involved	Bicyclist		Intersection	
6/7/2015	2:13:00 PM	Sunday	GOLD COAST DR	MAYA LINDA RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
6/7/2015	8:26:00 PM	Sunday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/8/2015	9:23:00 AM	Monday	MIRA MESA BL	CAMTO ALVAREZ	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/9/2015	10:21:00 AM	Tuesday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/10/2015	9:21:00 AM	Wednesday	MIRA MESA BL	REAGAN RD (W)	0	Not Stated	Other Visible Injury	1	0	0	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/10/2015	3:19:00 PM	Wednesday	MIRAMAR RD	PADGETT ST	1	West	Complaint of Pain	1	0	0	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
6/10/2015	5:51:00 PM	Wednesday	CAM SANTA FE	COMMERCE AV	300	South	Other Visible Injury	1	0		Other Than Driver	Other	Non-Collision	No Pedestrian Involved	Bicyclist		Approaching/Departing	Not Stated
6/11/2015	7:33:00 AM	Thursday	MIRAMAR RD	CAM RUIZ	84	East	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/11/2015	5:59:00 PM	Thursday	CAMTO ALVAREZ	MIRA MESA BL	200	South	Complaint of Pain	1	0	0	Unsafe Starting or Backing	Rear-End	Pedestrian	In Road	Driver	Pedestrian	Approaching/Departing	Driver
6/12/2015	6:00:00 PM	Friday	RICKERT RD	MIRA MESA BL	1	South	Property Damage Only	0	0		Not Stated	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
6/17/2015	4:07:00 PM	Wednesday	CAM RUIZ	CARROLL CANYON RD	69	West	Complaint of Pain	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/17/2015	4:45:00 PM	Wednesday	ARJONS DR	CABOT DR	0	Not Stated	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/19/2015	9:15:00 AM	Friday	TRADE ST	CARROLL WY	0	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/19/2015	11:59:00 PM	Friday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Other Visible Injury	3	0	0	Auto R/W Violation	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/21/2015	6:30:00 PM	Sunday	HILLERY DR	MARBURY AV	10	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
6/21/2015	7:03:00 PM	Sunday	MIRA MESA BL	REAGAN DR (W)	30	East	Property Damage Only	0	0	1	Improper Passing	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/22/2015	2:09:00 AM	Monday	CAM RUIZ	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
6/22/2015	2:24:00 AM	Monday	WESTONHILL DR	WESTMORE RD	111	North	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
6/22/2015	11:34:00 PM	Monday	GOLD COAST DR	THANKSGIVING LN	240	East	Property Damage Only	1	0	1	Improper Turning	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
6/23/2015	9:39:00 AM	Tuesday	MIRA MESA BL	SEQUENCE DR	114	West	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/24/2015	6:34:00 AM	Wednesday	WESTMORE RD	MIRA MESA BL	19	North	Property Damage Only	0	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/25/2015	4:30:00 PM	Thursday	CAPRICORN WY	SUMMERSHADE LN	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/26/2015	3:25:00 PM	Friday	MIRAMAR RD	PADGETT ST	150	West	Severe Injury	1	0	1	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
6/27/2015	3:00:00 AM	Saturday	ZAPATA AV	CALLE DARIO	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
6/29/2015	9:31:00 PM	Monday	MIRAMAR RD	BLACK MTN RD	18	West	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
6/30/2015	6:20:00 PM	Tuesday	MIRA MESA BL	PARKDALE AV	0	Not Stated	Other Visible Injury	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/2/2015	2:15:00 PM	Thursday	LOPEZ RIDGE WY	SORRENTO VALLEY BL	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/4/2015	1:10:00 PM	Saturday	CAM SANTA FE	CAM SANTA FE	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/4/2015	7:00:00 PM	Saturday	CALLE CRISTOBAL	LOPEZ PE	0	West	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Intersection	
7/4/2015	10:05:00 PM	Saturday	PEGASUS AV	POLARIS DR (S)	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/7/2015	7:40:00 AM	Tuesday	MIRA MESA BL	PACIFIC HEIGHTS BL	18	South	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/8/2015	10:20:00 AM	Wednesday	MIRA MESA BL	VISTA SORRENTO PY	35	East	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/8/2015	11:00:00 AM	Wednesday	VIPER WY	MIRA MESA BL	14	West	Complaint of Pain	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/9/2015	6:00:00 AM	Thursday	MIRAMAR RD	KEARNY VILLA RD	50	West	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
7/9/2015	1:00:00 PM	Thursday	KEARNY MESA RD	KEARNY VILLA RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/9/2015	5:17:00 PM	Thursday	GEMINI AV	BLACK MTN RD	51	East	Complaint of Pain	1	0		Not Stated	Rear-End	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
7/10/2015		Friday	KEARNY MESA RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0		Unknown	Other	Fixed Object	No Pedestrian Involved	Driver		Intersection	Not Stated
7/10/2015	4:01:00 AM	Friday	BLACK MTN RD	CARROLL CANYON RD	7	West	Property Damage Only	0	0	0	Improper Turning	Hit Object	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/10/2015	5:29:00 AM	Friday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Complaint of Pain	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/11/2015	10:00:00 AM	Saturday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
7/13/2015	11:00:00 AM	Monday	WAPLES ST	WEATHERS PL	0	South	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/13/2015	1:54:00 PM	Monday	MIRAMAR RD	CAM RUIZ	300	West	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Parked Motor Vehicle	Not Stated	Driver	Driver	Approaching/Departing	Driver
7/13/2015	7:00:00 PM	Monday	GEMINI AV	DRACO RD	1	West	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/14/2015	8:47:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	0	East	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
7/15/2015	8:55:00 AM	Wednesday	HYDRA LN	CALLE CALZADA	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/15/2015	1:00:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0		Unknown	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
7/15/2015	5:03:00 PM	Wednesday	MAYA LINDA RD	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
7/16/2015	11:03:00 AM	Thursday	MIRA MESA BL	TARGET DY	0	Not Stated	Complaint of Pain	1	0	1	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/17/2015	3:55:00 PM	Friday	WESTVIEW PY	MARKETCENTER DY	0	Not Stated	Property Damage Only	0	0		Other Improper Driving	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
7/18/2015	6:30:00 PM	Saturday	WESTVIEW PY	COMPASS POINT S DR	10	West	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
7/18/2015	11:27:00 PM	Saturday	WESTONHILL DR	LIBRA DR	6	North	Complaint of Pain	1	0		Not Stated	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Not Stated
7/21/2015	7:13:00 AM	Tuesday	GOLD COAST DR	MAYA LINDA RD	150	West	Other Visible Injury	2	0	0	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
7/21/2015	3:30:00 PM	Tuesday	SEQUENCE DR	HUENNEKENS ST	0	Not Stated	Complaint of Pain	1	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Pedestrian	Intersection	Not Stated
7/22/2015	8:57:00 AM	Wednesday	VISTA SORRENTO PY	MIRA SORRENTO PL	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
7/22/2015	10:00:00 PM	Wednesday	WESTVIEW PY	COMPASS POINT N DR	175	North	Other Visible Injury	1	0	1	Improper Turning	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
7/24/2015	6:00:00 PM	Friday	MIRA MESA BL	CAM RUIZ	0	Not Stated	Property Damage Only	0	0	1	Driving Under Influence	Hit Object	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/25/2015	12:40:00 PM	Saturday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	2	0		Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
7/27/2015	6:30:00 AM	Monday	BLACK MTN RD	MIRAMAR COLLEGE DY	0	Not Stated	Complaint of Pain	1	0	1	Traffic Signals and Signs	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/28/2015	1:59:00 AM	Tuesday	GOLD COAST DR	CAM RUIZ	400	West	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Midblock	Driver
7/29/2015	8:19:00 AM	Wednesday	MIRA MESA BL	REAGAN RD (W)	30	South	Complaint of Pain	1	0	0	Following Too Closely	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/29/2015	11:15:00 AM	Wednesday	MIRA MESA BL	WESTVIEW PY	1	East	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
7/30/2015	12:18:00 PM	Thursday	BLACK MTN RD	GOLD COAST DR	17	South	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
7/30/2015	5:20:00 PM	Thursday	BLACK MTN RD	WESTVIEW PY	0	Not Stated	Complaint of Pain	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/1/2015	11:07:00 PM	Saturday	CARROLL CANYON RD	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/3/2015		Monday	MIRA MESA BL	BLACK MTN RD	0	Not Stated	Property Damage Only	0	0		Unknown	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
8/3/2015	12:03:00 AM	Monday	CAMTO ALVAREZ	MIRA MESA BL	400	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
8/3/2015	5:50:00 AM	Monday	CAM RUIZ	ACTIVITY RD	75	West	Other Visible Injury	1	0	1	Not Stated	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/3/2015	9:06:00 PM	Monday	MIRA MESA BL	WESTONHILL DR	0	Not Stated	Property Damage Only	0	0		Unknown	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
8/4/2015	10:50:00 AM	Tuesday	MIRAMAR RD	KEARNY MESA RD	0	Not Stated	Other Visible Injury	1	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
8/4/2015	12:05:00 PM	Tuesday	OBERLIN DR	MIRA MESA BL	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Starting or Backing	Other	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/5/2015	12:33:00 PM	Wednesday	CAM RUIZ	JADE COAST DR	0	Not Stated	Property Damage Only	0	0		Other Improper Driving	Other	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Not Stated
8/5/2015	1:10:00 PM	Wednesday	PRODUCTION AV	CARROLL RD	1	South	Complaint of Pain	1	0	1	Improper Turning	Head-On	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/6/2015	5:05:00 PM	Thursday	MIRAMAR RD	BLACK MTN RD	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
8/6/2015	5:25:00 PM	Thursday	BLACK MTN RD	MIRAMAR RD	2	East	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/7/2015	10:05:00 AM	Friday	NEW SALEM ST	MIRA MESA BL	0	Not Stated	Complaint of Pain	2	0	1	Unsafe Speed	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Pedestrian	Intersection	Pedestrian
8/7/2015	5:40:00 PM	Friday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0	1	Unknown	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
8/8/2015	4:49:00 AM	Saturday	MIRA MESA BL	I-805 SB ON RA	24	East	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/10/2015	6:55:00 AM	Monday	BLACK MTN RD	MIRAMAR COLLEGE DY	0	Not Stated	Other Visible Injury	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/10/2015	12:00:00 PM	Monday	PENARA ST	CALSTON WY (S)	33	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/10/2015	2:45:00 PM	Monday	MIRA MESA BL	GREENFORD DR	2	North	Complaint of Pain	2	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/11/2015	10:49:00 PM	Tuesday	ZAPATA AV	KELOWNA RD	0	Not Stated	Property Damage Only	1	0	1	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/12/2015	1:58:00 AM	Wednesday	GOLD COAST DR	ARROW ROCK AV	42	East	Property Damage Only	0	0	1	Not Stated	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
8/12/2015	12:31:00 PM	Wednesday	MIRA MESA BL	BLACK MTN RD	12	West	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/13/2015	7:43:00 AM	Thursday	TRADE ST	CAM SANTA FE	300	East	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Approaching/Departing	Bicyclist
8/14/2015	3:14:00 PM	Friday	MIRAMAR RD	MIRAMAR WEST GATE	0	Not Stated	Property Damage Only	0	0	1	Unknown	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
8/14/2015	9:00:00 PM	Friday	TRADE PL	TRADE ST	0	Not Stated	Property Damage Only	0	0	0	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/14/2015	9:15:00 PM	Friday	ADERMAN AV	MIRA MESA BL	38	East	Other Visible Injury	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/19/2015	4:20:00 PM	Wednesday	CAM RUIZ	ZAPATA AV	266	South	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
8/24/2015	2:40:00 PM	Monday	CARROLL CANYON RD	I-15 NB ON RA	0	Not Stated	Complaint of Pain	1	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/25/2015	3:55:00 PM	Tuesday	MIRA MESA BL	RICKERT RD	0	Not Stated	Complaint of Pain	1	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/25/2015	7:10:00 PM	Tuesday	CAM SANTA FE	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/27/2015	12:00:00 PM	Thursday	CARROLL RD	CAM SANTA FE	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
8/29/2015	1:00:00 PM	Saturday	MIRAMAR RD	CARROLL RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
8/30/2015	11:16:00 AM	Sunday	PARKDALE AV	PARKDALE CV	40	North	Complaint of Pain	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
9/1/2015	1:47:00 AM	Tuesday	PARKDALE AV	FLANDERS DR	15	South	Property Damage Only	0	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/1/2015	5:57:00 AM	Tuesday	CARROLL CANYON RD	YOUNGSTOWN WY	38	West	Severe Injury	1	0	1	Other Than Driver	Hit Object	Fixed Object	No Pedestrian Involved	Bicyclist	Driver	Intersection	Not Stated
9/1/2015	7:51:00 PM	Tuesday	GOLD COAST DR	THANKSGIVING LN	0	Not Stated	Complaint of Pain	0	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/2/2015	6:50:00 AM	Wednesday	CAM RUIZ	ACTIVITY RD	65	North	Complaint of Pain	2	0	1	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/2/2015	7:30:00 AM	Wednesday	GEMINI AV	PEGASUS AV	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
9/2/2015	10:20:00 AM	Wednesday	BLACK MTN RD	GEMINI AV	0	Not Stated	Other Visible Injury	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/2/2015	11:06:00 AM	Wednesday	BLACK MTN RD	HILLERY DR	1	South	Complaint of Pain	1	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/3/2015	8:20:00 AM	Thursday	MIRAMAR RD	CLAYTON DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/4/2015	4:25:00 PM	Friday	ARCTURUS WY	SQUAMISH RD	6	North	Complaint of Pain	1	0	0	Unsafe Speed	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
9/4/2015	8:00:00 PM	Friday	REVELSTOKE WY	SMITHERS CT	10	West	Property Damage Only	0	0	0	Improper Turning	Broadside	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
9/4/2015	8:07:00 PM	Friday	CAM RUIZ	CAPRICORN WY	8	North	Complaint of Pain	1	0	0	Ped R/W Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Driver
9/5/2015	2:40:00 PM	Saturday	BLACK MTN RD	MIRA MESA BL	12	East	Other Visible Injury	2	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/5/2015	7:50:00 PM	Saturday	CAPRICORN WY	CAM RUIZ	181	South	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
9/5/2015	11:30:00 PM	Saturday	BLACK MTN RD	MIRA MESA BL	10	North	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/6/2015	12:46:00 PM	Sunday	MIRAMAR RD	DISTRIBUTION AV	300	East	Other Visible Injury	3	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
9/6/2015	6:18:00 PM	Sunday	MIRA MESA BL	GREENFORD DR	75	Not Stated	Complaint of Pain	1	0	1	Not Stated	Not Stated	Non-Collision	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/7/2015	9:30:00 PM	Monday	MIRAMAR RD	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	1	Unknown	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
9/9/2015	3:28:00 PM	Wednesday	MIRA MESA BL	GREENFORD DR	450	East	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
9/11/2015	1:03:00 AM	Friday	CAM RUIZ	JADE COAST DR	6	West	Other Visible Injury	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
9/11/2015	8:00:00 PM	Friday	MIRA MESA BL	REAGAN RD (W)	15	North	Property Damage Only	0	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/11/2015	10:54:00 PM	Friday	MIRAMAR RD	CABOT DR	0	Not Stated	Other Visible Injury	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/17/2015	5:50:00 PM	Thursday	CARROLL CANYON RD	CAMTO JOVIAL	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
9/18/2015	6:19:00 AM	Friday	MIRA MESA BL	GREENFORD DR	0	Not Stated	Other Visible Injury	1	0	1	Traffic Signals and Signs	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
9/18/2015	5:04:00 PM	Friday	NEW SALEM ST	CAM RUIZ	32	West	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/19/2015	7:25:00 AM	Saturday	MIRAMAR RD	EMPIRE ST	261	East	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
9/19/2015	3:15:00 PM	Saturday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Parked Vehicle	Intersection	Driver
9/24/2015	3:40:00 PM	Thursday	DOWDY DR	SILVERTON AV	300	South	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
9/25/2015	4:20:00 PM	Friday	AMANTHA AV	CALICO ST	0	Not Stated	Complaint of Pain	1	0	1	Not Stated	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/27/2015	7:00:00 AM	Sunday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Other Visible Injury	1	0	1	Unsafe Speed	Other	Non-Collision	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/28/2015	5:34:00 AM	Monday	FLANDERS DR	CAM RUIZ	22	East	Property Damage Only	0	1	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
9/28/2015	5:00:00 PM	Monday	PACIFIC CENTER BL	MC KELLAR CT	0	Not Stated	Complaint of Pain	1	0	1	Auto R/W Violation	Other	Non-Collision	No Pedestrian Involved	Driver	Driver	Intersection	Driver
9/28/2015	6:03:00 PM	Monday	MIRA MESA BL	OBERLIN DR	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/1/2015	12:50:00 AM	Thursday	MAYA LINDA RD	GOLD COAST DR	75	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
10/1/2015	7:55:00 PM	Thursday	BLACK MTN RD	GEMINI AV	80	North	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/2/2015	9:20:00 AM	Friday	CAM RUIZ	FLANDERS DR	0	Not Stated	Property Damage Only	1	0	1	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/2/2015	4:15:00 PM	Friday	BLACK MTN RD	GOLD COAST DR	5	North	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/3/2015	12:30:00 PM	Saturday	JADE COAST RD	EMPRESS AV	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
10/3/2015	1:34:00 PM	Saturday	CAM RUIZ	MIRAMAR RD	0	Not Stated	Property Damage Only	0	0	1	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
10/3/2015	2:00:00 PM	Saturday	MIRAMAR RD	KEARNY VILLA RD	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/4/2015	12:01:00 PM	Sunday	KEARNY MESA RD	MIRAMAR RD	195	North	Property Damage Only	0	0	1	Other Improper Driving	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Not Stated
10/4/2015	5:15:00 PM	Sunday	WESTBURY AV	MERRINGTON PL	0	Not Stated	Property Damage Only	0	0	1	Driving Under Influence	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
10/4/2015	5:30:00 PM	Sunday	ANGELENO RD	ANDASOL ST	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
10/5/2015	9:05:00 AM	Monday	SORRENTO VALLEY BL	SEA MIST WY	949	West	Property Damage Only	0	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Driver	Midblock	Driver
10/5/2015	10:45:00 AM	Monday	CAM RUIZ	ACTIVITY RD	0	Not Stated	Other Visible Injury	3	0	1	Traffic Signals and Signs	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/6/2015	8:51:00 AM	Tuesday	CAM SANTA FE	FROST-MAR PL	0	Not Stated	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/6/2015	4:00:00 PM	Tuesday	MIRAMAR RD	CARROLL RD	0	East	Other Visible Injury	3	0	0	Auto R/W Violation	Broadside	Motor Vehicle on Other Roadway	No Pedestrian Involved	Driver	Driver	Intersection	Driver



Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InwWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
10/7/2015	3:00:00 PM	Wednesday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/8/2015	3:23:00 AM	Thursday	CAM RUIZ	CALLE CRISTOBAL	0	Not Stated	Property Damage Only	1	0	1	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	
10/8/2015	3:28:00 PM	Thursday	MIRA MESA BL	BLACK MTN RD	25	East	Complaint of Pain	1	0	0	Traffic Signals and Signs	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/9/2015	10:26:00 AM	Friday	VISTA SORRENTO PY	LUSK BL	0	Not Stated	Property Damage Only	0	0	0	Unsafe Speed	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
10/9/2015	1:10:00 PM	Friday	CAPRICORN WY	PEGASUS AV	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
10/9/2015	2:00:00 PM	Friday	COVINA ST	LIPSCOMB DR	35	East	Other Visible Injury	1	0	0	Improper Turning	Rear-End	Fixed Object	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Driver
10/10/2015	9:21:00 PM	Saturday	MIRA MESA BL	GREENFORD DR	0	Not Stated	Property Damage Only	0	0	0	Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Driver
10/11/2015	1:20:00 PM	Sunday	BLACK MTN RD	MIRA MESA BL	0	Not Stated	Property Damage Only	0	0		Not Stated	Not Stated	Not Stated	Not Stated	Driver	Driver	Intersection	Not Stated
10/13/2015	11:44:00 AM	Tuesday	MIRAMAR RD	MILCH RD	250	North	Property Damage Only	0	0	1	Improper Turning	Hit Object	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Parked Vehicle
10/13/2015	1:06:00 PM	Tuesday	TRADE ST	CARROLL WY	0	South	Other Visible Injury	1	0	0	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/15/2015	7:00:00 AM	Thursday	DISTRIBUTION AV	CARROLL RD	0	South	Property Damage Only	0	0	1	Unsafe Starting or Backing	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
10/15/2015	3:15:00 PM	Thursday	MIRA MESA BL	CAM RUIZ	25	East	Other Visible Injury	1	0	1	Pedestrian Violation	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
10/16/2015	9:45:00 AM	Friday	LUSK BL	VISTA SORRENTO PY	0	Not Stated	Complaint of Pain	1	0	1	Unsafe Speed	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/16/2015	2:00:00 PM	Friday	MIRAMAR RD	CAM SANTA FE	0	Not Stated	Other Visible Injury	2	0	1	Improper Turning	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/18/2015	7:49:00 AM	Sunday	KEARNY VILLA RD	MIRAMAR RD	0	Not Stated	Severe Injury	1	0	1	Auto R/W Violation	Broadside	Bicycle	No Pedestrian Involved	Bicyclist	Driver	Intersection	Driver
10/19/2015	12:35:00 PM	Monday	BLACK MTN RD	GOLD COAST DR	0	Not Stated	Property Damage Only	0	0	1		Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/19/2015	2:39:00 PM	Monday	WESTCHESTER AV	FLANDERS DR	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Vehicle - Pedestrian	Not Stated	Crossing Not In Crosswalk	Bicyclist		Intersection	
10/21/2015	1:15:00 PM	Wednesday	MIRA MESA BL	NEW SALEM ST	105	North	Other Visible Injury	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
10/21/2015	1:15:00 PM	Wednesday	MIRA MESA BL	WESTVIEW PY	0	Not Stated	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/21/2015	7:20:00 PM	Wednesday	MIRA MESA BL	SCRANTON RD	810	East	Complaint of Pain	3	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
10/23/2015	8:40:00 AM	Friday	MIRA MESA BL	WESTVIEW PY	500	East	Complaint of Pain	1	0	0	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
10/23/2015	10:38:00 AM	Friday	NANCY RIDGE DR	CARROLL RD	0	West	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/23/2015	5:20:00 PM	Friday	KEARNY VILLA RD	MIRAMAR RD	200	North	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
10/24/2015	11:48:00 AM	Saturday	MIRAMAR RD	CABOT DR	0	Not Stated	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/24/2015	11:32:00 PM	Saturday	NEW SALEM ST	CAM RUIZ	0	East	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
10/27/2015	5:00:00 AM	Tuesday	VIPER WY	TOP GUN ST	300	South	Property Damage Only	0	0	0	Unsafe Speed	Not Stated	Not Stated	Not Stated	Driver		Approaching/Departing	Driver
10/27/2015	12:25:00 PM	Tuesday	MIRAMAR RD	CABOT DR	200	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
10/27/2015	11:00:00 PM	Tuesday	THREE SEASONS RD	THANKSGIVING LN (W)	63	West	Property Damage Only	0	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
10/28/2015	5:00:00 AM	Wednesday	VISTA SORRENTO PY	LUSK BL	0	South	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver
10/30/2015	8:55:00 AM	Friday	MIRAMAR RD	CARROLL RD	0	West	Complaint of Pain	3	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
10/30/2015	10:30:00 AM	Friday	FLANDERS DR	ADERMAN AV	300	East	Property Damage Only	0	0	0	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
10/31/2015	7:10:00 AM	Saturday	MIRA MESA BL	REAGAN RD (E)	36	East	Other Visible Injury	1	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
11/2/2015	7:45:00 AM	Monday	MIRAMAR RD	CLAYTON DR	0	Not Stated	Property Damage Only	0	0		Unknown	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Not Stated
11/4/2015	5:22:00 PM	Wednesday	BLACK MTN RD	GALVIN AV	245	North	Other Visible Injury	1	0	0	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Approaching/Departing	Pedestrian
11/5/2015	8:00:00 PM	Thursday	HILLERY DR	WESTVIEW PY	0	West	Severe Injury	1	0	1	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/6/2015	12:20:00 PM	Friday	MIRA MESA BL	WESTVIEW PY	44	East	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/6/2015	6:25:00 PM	Friday	HILLERY DR	RICKERT RD	0	Not Stated	Other Visible Injury	1	0	1	Improper Turning	Sideswipe	Bicycle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/6/2015	6:27:00 PM	Friday	MIRA MESA BL	CAM RUIZ	700	East	Complaint of Pain	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
11/7/2015	11:28:00 AM	Saturday	MIRA MESA BL	CAM RUIZ	0	West	Property Damage Only	0	0	1	Not Stated	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/9/2015	9:35:00 PM	Monday	MERCY RD	ALEMANIA RD	0	Not Stated	Property Damage Only	0	0		Not Stated	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Not Stated
11/9/2015	9:44:00 PM	Monday	MIRA MESA BL	REAGAN RD (W)	14	West	Property Damage Only	0	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/12/2015	5:17:00 PM	Thursday	BLACK MTN RD	CARROLL CENTRE RD	274	North	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/13/2015	8:16:00 AM	Friday	AQUARIUS DR	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	0	Other Hazardous Movement	Sideswipe	Pedestrian	Not Stated	Pedestrian	Driver	Intersection	Pedestrian
11/13/2015	7:32:00 PM	Friday	NEW SALEM ST	CAM RUIZ	0	Not Stated	Complaint of Pain	1	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/14/2015	10:58:00 AM	Saturday	CAM SANTA FE	CARROLL RD	0	Not Stated	Complaint of Pain	1	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/17/2015	7:50:00 AM	Tuesday	BLACK MTN RD	WESTVIEW PY	900	South	Other Visible Injury	1	0	1	Other Hazardous Movement	Hit Object	Fixed Object	No Pedestrian Involved	Driver	Driver	Midblock	Driver
11/17/2015	8:08:00 AM	Tuesday	BLACK MTN RD	CAPRICORN WY	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/17/2015	1:00:00 PM	Tuesday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Property Damage Only	0	0	1	Unsafe Starting or Backing	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/18/2015	4:04:00 PM	Wednesday	BLACK MTN RD	GEMINI AV	4	South	Complaint of Pain	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing In Crosswalk At Intersection	Driver	Pedestrian	Intersection	Pedestrian
11/19/2015	3:00:00 PM	Thursday	MIRA MESA BL	I-15 NB ON RA (W)	200	West	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
11/20/2015	6:06:00 PM	Friday	MIRAMAR RD	BLACK MTN RD	243	West	Other Visible Injury	1	0	1	Unsafe Speed	Hit Object	Fixed Object	Not Stated	Driver		Approaching/Departing	
11/20/2015	6:45:00 PM	Friday	CAM RUIZ	NEW SALEM ST	0	Not Stated	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/21/2015	1:29:00 AM	Saturday	BLACK MTN RD	GOLD COAST DR	57	South	Property Damage Only	0	0	1	Other Hazardous Movement	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/21/2015	7:00:00 AM	Saturday	WESTONHILL DR	COVINA CR	51	North	Complaint of Pain	1	0	1	Improper Turning	Rear-End	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
11/21/2015	10:27:00 AM	Saturday	MIRAMAR RD	DOWDY DR	400	East	Other Visible Injury	1	0	0	Unsafe Speed	Not Stated	Non-Collision	No Pedestrian Involved	Driver		Midblock	Driver
11/22/2015	8:24:00 AM	Sunday	SORRENTO VALLEY BL	SEA MIST WY	170	West	Other Visible Injury	1	0	1	Unsafe Speed	Other	Not Stated	No Pedestrian Involved	Bicyclist		Approaching/Departing	
11/24/2015	4:48:00 PM	Tuesday	NEW SALEM ST	CAM RUIZ	460	East	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
11/25/2015	12:57:00 AM	Wednesday	MIRAMAR RD	CLAYTON DR	0	Not Stated	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/28/2015	8:49:00 AM	Saturday	CAPRICORN WY	BLACK MTN RD	0	Not Stated	Complaint of Pain	2	0	1	Auto R/W Violation	Not Stated	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
11/29/2015	12:00:00 PM	Sunday	MAYA LINDA RD	CARROLL CANYON RD	250	South	Property Damage Only	0	0	0	Improper Turning	Not Stated	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
11/29/2015	1:22:00 PM	Sunday	WESTONHILL DR	CORVUS PL	75	North	Property Damage Only	1	0	1	Pedestrian Violation	Vehicle - Pedestrian	Pedestrian	Crossing Not In Crosswalk	Pedestrian	Driver	Intersection	Driver
12/2/2015	10:30:00 AM	Wednesday	SEQUENCE DR	GENETIC CENTER DR	0	Not Stated	Property Damage Only	0	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver		Intersection	
12/2/2015	4:33:00 PM	Wednesday	MIRAMAR RD	CARROLL RD	0	South	Complaint of Pain	2	0	0	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/3/2015	12:00:00 PM	Thursday	MIRA MESA BL	SCRANTON RD	0	Not Stated	Complaint of Pain	1	0	1	Other Hazardous Movement	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/4/2015	11:46:00 AM	Friday	WESTONHILL DR	WESTMORE RD	39	South	Complaint of Pain	1	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/4/2015	2:20:00 PM	Friday	MIRAMAR RD	CARROLL RD	329	West	Other Visible Injury	3	0	0	Other Hazardous Movement	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
12/5/2015	3:20:00 AM	Saturday	CAM SANTA FE	RASHA ST	453	South	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Fixed Object	No Pedestrian Involved	Driver		Midblock	

Date	Time	Day	Street	CrossSt	Distance	Direction	Injury	NoInjured	NoKilled	PtyAtFault	Cause	CollisnTyp	InvWith	PedAction	PartyType1	PartyType2	Collision Location	Party at Fault
12/5/2015	8:38:00 AM	Saturday	WESTONHILL DR	STANWELL ST	12	South	Other Visible Injury	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/6/2015	9:21:00 AM	Sunday	BLACK MTN RD	MERCY RD	30	South	Other Visible Injury	2	0	1	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/6/2015	4:07:00 PM	Sunday	ANDASOL ST	ACAMA ST	0	Not Stated	Property Damage Only	0	0	1		Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Intersection	Parked Vehicle
12/8/2015	5:15:00 PM	Tuesday	BLACK MTN RD	MAYA LINDA RD	100	North	Complaint of Pain	2	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
12/8/2015	10:22:00 PM	Tuesday	BLACK MTN RD	CARROLL CENTRE RD	90	North	Complaint of Pain	1	0	1	Improper Turning	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/10/2015	10:20:00 PM	Thursday	MIRA MESA BL	FLANDERS DR	25	West	Other Visible Injury	1	0	0	Auto R/W Violation	Sideswipe	Other Motor Vehicle	Not Stated	Driver	Driver	Intersection	Driver
12/11/2015	10:05:00 AM	Friday	CARROLL RD	MIRAMAR RD	200	North	Other Visible Injury	2	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
12/12/2015	2:15:00 PM	Saturday	WESTVIEW PY	MARKETCENTER DY	5	North	Property Damage Only	0	0	1	Improper Turning	Sideswipe	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/14/2015	1:30:00 PM	Monday	MIRA MESA BL	CAM SANTA FE	10	West	Complaint of Pain	1	0	0	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/14/2015	2:00:00 PM	Monday	CARROLL CANYON RD	PACIFIC HEIGHTS BL	1906	North	Property Damage Only	1	0	0	Unsafe Speed	Other	Fixed Object	No Pedestrian Involved	Driver		Midblock	Driver
12/14/2015	4:00:00 PM	Monday	MIRAMAR RD	CAM RUIZ	1900	West	Complaint of Pain	1	0		Not Stated	Other	Bicycle	No Pedestrian Involved	Driver	Bicyclist	Midblock	Not Stated
12/15/2015	1:26:00 PM	Tuesday	MIRA MESA BL	WESTVIEW PY	70	West	Other Visible Injury	1	0	0	Unsafe Speed	Rear-End	Not Stated	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/15/2015	3:40:00 PM	Tuesday	MIRA MESA BL	MARBURY AV	300	East	Other Visible Injury	1	0	0		Other	Not Stated	No Pedestrian Involved	Bicyclist		Approaching/Departing	Bicyclist
12/15/2015	6:25:00 PM	Tuesday	BLACK MTN RD	MAYA LINDA RD	570	South	Complaint of Pain	1	0	1	Auto R/W Violation	Head-On	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
12/17/2015	11:25:00 AM	Thursday	SEQUENCE DR	MIRA MESA BL	385	East	Complaint of Pain	1	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Midblock	Driver
12/18/2015	5:30:00 PM	Friday	CARROLL CANYON RD	I-15 NB ON RA	5	East	Other Visible Injury	2	0	1	Following Too Closely	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/19/2015	6:34:00 AM	Saturday	MIRA MESA BL	NEW SALEM ST	15	South	Complaint of Pain	2	0	1	Auto R/W Violation	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/19/2015	2:46:00 PM	Saturday	BABAUTA RD	BLACK MTN RD	132	East	Property Damage Only	0	0	0	Improper Turning	Sideswipe	Parked Motor Vehicle	No Pedestrian Involved	Driver	Parked Vehicle	Approaching/Departing	Driver
12/20/2015	8:04:00 PM	Sunday	MIRAMAR RD	KEARNY MESA RD	26	North	Complaint of Pain	2	0	0	Unsafe Speed	Rear-End	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Intersection	Driver
12/24/2015	1:36:00 AM	Thursday	CALLE CRISTOBAL	ACAMA CT	0	Not Stated	Property Damage Only	0	0	0	Improper Turning	Hit Object	Fixed Object	No Pedestrian Involved	Driver		Intersection	Driver
12/29/2015	11:40:00 AM	Tuesday	MIRAMAR RD	KEARNY VILLA RD	240	West	Complaint of Pain	1	0	1	Auto R/W Violation	Broadside	Other Motor Vehicle	No Pedestrian Involved	Driver	Driver	Approaching/Departing	Driver
12/31/2015	2:20:00 PM	Thursday	MOREHOUSE DR	LUSK BL	900	West	Property Damage Only	0	0	0	Improper Turning	Hit Object	Other Object	No Pedestrian Involved	Driver		Midblock	Driver



## APPENDIX B

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### PEDESTRIAN ENVIRONMENTAL QUALITY EVALUATION (PEQE) ANALYSIS DATA

Mira Mesa Community Plan Update  
Existing Conditions Report

Appendix B: Pedestrian Environmental Quality Evaluation (PEQE)  
Intersection Analysis

Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Vista Sorrento Pkwy	Lusk Blvd	North	-	-	-	2	2	Restricted
		East	0	0	1	2	3	Low
		South	0	0	0	2	2	Low
		West						
Vista Sorrento Pkwy	Directors Pl	North	0	0	-	2	2	Low
		East	0	0	1	2	3	Low
		South	-	-	-	2	2	Restricted
		West						
Vista Sorrento Pkwy	Mira Sorrento Pl	North	0	0	2	2	4	Medium
		East	1	0	2	2	5	Medium
		South	-	-	-	2	2	Restricted
		West	-	-	-	2	2	Restricted
Vista Sorrento Pkwy	Mira Mesa Blvd	North	0	1	1	2	4	Medium
		East	-	-	-	2	2	Restricted
		South	-	-	-	2	2	Restricted
		West	-	-	-	2	2	Restricted
I-805 NB Ramps	Carroll Canyon Rd	North	-	-	-	2	2	Restricted
		East	-	-	-	2	2	Restricted
		South	0	0	2	2	4	Medium
		West	-	-	-	2	2	Restricted
Juniper Park Ln	Sorrento Valley Blvd	North	0	0	1	2	3	Low
		East	0	1	1	2	4	Medium
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Sunny Mesa Rd	Sorrento Valley Blvd	North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Camino Santa Fe	Sorrento Valley Blvd	North						
		East	0	1	2	2	5	Medium
		South	0	1	1	2	4	Medium
		West	-	-	-	2	2	Restricted
Camino Santa Fe	Top Gun St	North	0	1	1	2	4	Medium
		East						
		South	0	1	1	2	4	Medium
		West	0	0	1	2	3	Low
Camino Santa Fe	Flanders Dr	North	0	0	1	2	3	Low
		East	1	0	1	2	4	Medium
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Youngstown Wy	Carroll Canyon Rd	North	1	1	1	2	5	Medium
		East	-	-	-	2	2	Restricted
		South						
		West	1	1	0	2	4	Medium
Nancy Ridge Dr	Carroll Canyon Rd	North						
		East	1	0	1	2	4	Medium
		South	-	-	0	0	0	Restricted
		West	-	-	-	2	2	Restricted



Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Office Driveways	Lusk Blvd	North	0	0	1	2	3	Low
		East	-	-	-	2	2	Restricted
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
W Wateridge Cir	Lusk Blvd	North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Telesis Ct	Lusk Blvd	North	1	0	1	2	4	Medium
		East	1	0	1	2	4	Medium
		South	1	0	1	2	4	Medium
		West	1	0	1	2	4	Medium
E Wateridge Cir	Lusk Blvd	North						
		East	0	0	1	2	3	Low
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Pacific Center Blvd	Lusk Blvd	North	0	0	1	2	3	Low
		East	-	-	-	2	2	Restricted
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Lusk Blvd	Barnes Canyon Rd	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Lusk Blvd	Morehouse Dr	North	1	0	2	2	5	Medium
		East						
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Lusk Blvd	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	1	0	2	2	5	Medium
		West	0	0	2	2	4	Medium
Scranton Rd	Mira Sorrento Pl	North	-	-	-	2	2	Restricted
		East						
		South	1	0	1	2	4	Medium
		West	1	0	2	2	5	Medium
Scranton Rd	Morehouse Dr	North	1	0	1	2	4	Medium
		East	1	0	1	2	4	Medium
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Scranton Rd	Mira Mesa Blvd	North	1	1	1	2	5	Medium
		East	0	1	2	2	5	Medium
		South	1	1	2	2	6	Medium
		West	-	-	-	2	2	Restricted
Scranton Rd	Sorrento South Dwy/Oberlin Dr	North	-	-	-	2	2	Restricted
		East	1	0	1	2	4	Medium
		South	1	0	1	2	4	Medium
		West	0	0	1	2	3	Low

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Appendix B: Pedestrian Environmental Quality Evaluation (PEQE)  
Intersection Analysis

Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Scranton Rd	Carroll Canyon Rd	North	1	0	1	2	4	Medium
		East	-	-	-	2	2	Restricted
		South						
		West	0	0	2	2	4	Medium
Pacific Heights Blvd	Barnes Canyon Rd	North	1	1	2	2	6	Medium
		East	0	0	2	2	4	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Wireless Wy	Pacific Center Blvd	North	0	0	1	2	3	Low
		East	2	0	2	2	6	Medium
		South	0	0	1	2	3	Low
		West	-	-	-	2	2	Restricted
Pacific Heights Blvd	Pacific Center Blvd	North	0	0	1	2	3	Low
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	-	-	-	2	2	Restricted
Pacific Mesa Blvd	Pacific Center Blvd	North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Pacific Mesa Blvd	Pacific Heights Blvd	North	0	0	2	2	4	Medium
		East	-	-	-	2	2	Restricted
		South	0	0	2	2	4	Medium
		West	1	0	2	2	5	Medium
Pacific Heights Blvd	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	1	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	0	0	2	2	4	Medium
Pacific Heights Blvd	Cornerstone Ct	North	1	0	1	2	4	Medium
		East	1	0	1	2	4	Medium
		South	1	0	2	2	5	Medium
		West	1	0	1	2	4	Medium
Pacific Heights Blvd	Carroll Canyon Rd	North	1	0	2	2	5	Medium
		East	-	-	-	2	2	Restricted
		South						
		West	1	0	1	2	4	Medium
Lopez Point Dr	Calle Cristobal	North	0	1	2	2	5	Medium
		East	0	1	2	2	5	Medium
		South	0	1	2	2	5	Medium
		West	0	1	2	2	5	Medium
Camino Propico	Calle Cristobal	North	0	0	1	2	3	Low
		East	-	-	-	2	2	Restricted
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Lopez Ridge Park Driveways	Calle Cristobal	North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low



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Appendix B: Pedestrian Environmental Quality Evaluation (PEQE)  
Intersection Analysis

Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Camino Miranda	Calle Cristobal	North	1	0	1	2	4	Medium
		East	0	0	1	2	3	Low
		South	1	0	1	2	4	Medium
		West	0	0	1	2	3	Low
Windy Ridge Wy	Calle Cristobal	North	1	1	1	2	5	Medium
		East	0	0	1	2	3	Low
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Prairie Wood Dr	Calle Cristobal	North	1	0	1	2	4	Medium
		East	0	0	1	2	3	Low
		South	1	0	1	2	4	Medium
		West	0	1	1	2	4	Medium
Avenida Del Gato	Calle Cristobal	North	1	0	1	2	4	Medium
		East	0	1	1	2	4	Medium
		South	1	0	1	2	4	Medium
		West	0	0	1	2	3	Low
Camino Ruiz	Calle Cristobal	North	0	0	2	2	4	Medium
		East	0	0	1	2	3	Low
		South	-	-	-	2	2	Restricted
		West	0	0	1	2	3	Low
Sequence Dr/ Huennekens St	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	-	-	-	2	2	Restricted
Genetic Center/Steadman St	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	0	0	2	2	4	Medium
Flanders Dr	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	0	0	2	2	4	Medium
Viper Wy	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	0	0	2	2	4	Medium
Camino Santa Fe	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	0	0	2	2	4	Medium
Schilling Ave	Mira Mesa Blvd	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	0	0	2	2	4	Medium
		West	0	0	2	2	4	Medium
Aderman Ave	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium

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Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Parkdale Ave	Mira Mesa Blvd	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Reagan Rd	Mira Mesa Blvd	North	0	1	2	2	5	Medium
		East	-	-	-	2	2	Restricted
		South	0	0	2	2	4	Medium
		West	1	0	2	2	5	Medium
Mira Mesa Mall Driveways	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	-	-	-	2	2	Restricted
Camino Ruiz	Mira Mesa Blvd	North	1	1	2	2	6	Medium
		East	1	1	2	2	6	Medium
		South	1	1	2	2	6	Medium
		West	1	1	2	2	6	Medium
New Salem St/Marauder Wy	Mira Mesa Blvd	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Westonhill Dr	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	-	-	-	2	2	Restricted
		South	0	0	2	2	4	Medium
		West	0	1	2	2	5	Medium
Greenford Dr	Mira Mesa Blvd	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Westmore Rd/Marbury Ave	Mira Mesa Blvd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	1	0	2	2	5	Medium
		West	0	0	2	2	4	Medium
Black Mountain Rd	Mira Mesa Blvd	North	1	1	2	2	6	Medium
		East	0	1	2	2	5	Medium
		South	0	1	2	2	5	Medium
		West	0	1	2	2	5	Medium
Westview Pkwy	Mira Mesa Blvd	North	1	1	1	2	5	Medium
		East	-	-	-	2	2	Restricted
		South	1	1	1	2	5	Medium
		West	0	1	1	2	4	Medium
I-15 SB Ramps	Mira Mesa Blvd	North	0	1	2	2	5	Medium
		East	-	-	-	2	2	Restricted
		South						
		West	-	-	-	2	2	Restricted
I-15 NB Ramps	Mira Mesa Blvd	North	0	1	1	2	4	Medium
		East	-	-	-	2	2	Restricted
		South	0	0	2	2	4	Medium
		West	-	-	-	2	2	Restricted

Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Westview Pkwy	Campus Point Dr N	North	-	-	-	2	2	Restricted
		East						
		South	1	0	1	2	4	Medium
		West	1	0	1	2	4	Medium
Westview Pkwy	Campus Point Dr S	North	-	-	-	2	2	Restricted
		East						
		South	1	0	1	2	4	Medium
		West	1	1	1	2	5	Medium
Westview Pkwy	Capricorn Wy	North	1	1	1	2	5	Medium
		East	0	0	1	2	3	Low
		South	1	1	1	2	5	Medium
		West	1	1	1	2	5	Medium
Westview Pkwy	Mira Lee Wy	North	1	1	2	2	6	Medium
		East	1	1	2	2	6	Medium
		South	1	1	2	2	6	Medium
		West	1	1	2	2	6	Medium
Westview Pkwy	Galvin Ave	North	1	0	1	2	4	Medium
		East						
		South	1	1	1	2	5	Medium
		West	1	1	1	2	5	Medium
Westview Pkwy	Market Center Driveway	North	1	0	1	2	4	Medium
		East	0	0	1	2	3	Low
		South	1	0	1	2	4	Medium
		West	0	0	1	2	3	Low
Westview Pkwy	Hillery Dr	North	1	0	2	2	5	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	0	0	2	2	4	Medium
Maya Linda Rd	Carroll Canyon Rd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	1	0	2	2	5	Medium
I-15 SB Ramps	Carroll Canyon Rd	North	0	0	2	2	4	Medium
		East	-	-	-	2	2	Restricted
		South	0	0	2	2	4	Medium
		West	0	0	2	2	4	Medium
I-15 NB Ramps	Carroll Canyon Rd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	-	-	-	2	2	Restricted
Camino Santa Fe	Miramar Rd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	-	-	-	2	2	Restricted
Commerce Ave	Miramar Rd	North	1	0	2	2	5	Medium
		East	1	1	0	2	4	Medium
		South	1	0	0	2	3	Low
		West	1	1	0	2	4	Medium



Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Production Ave	Miramar Rd	North	1	0	2	2	5	Medium
		East	0	0	2	2	4	Medium
		South						
		West	0	0	2	2	4	Medium
Distribution Ave	Miramar Rd	North	0	0	2	2	4	Medium
		East	-	-	-	2	2	Restricted
		South						
Miramar Wy	Miramar Rd	West	0	0	2	2	4	Medium
		North	0	0	1	2	3	Low
		East	1	0	1	2	4	Medium
		South	0	0	2	2	4	Medium
Carroll Rd	Miramar Rd	West	1	0	2	2	5	Medium
		North	0	0	1	2	3	Low
		East	-	-	-	2	2	Restricted
		South						
Alesmith Ct	Miramar Rd	West	0	0	0	2	2	Low
		North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South						
Dowdy Dr	Miramar Rd	West	0	0	2	2	4	Medium
		North	0	0	1	2	3	Low
		East	-	-	-	2	2	Restricted
		South						
Cabot Dr	Miramar Rd	West	0	0	1	2	3	Low
		North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South						
Camino Ruiz	Miramar Rd	West	0	0	1	2	3	Low
		North	0	0	1	2	3	Low
		East	0	1	0	2	3	Low
		South						
Clayton Dr/Mitscher Wy	Miramar Rd	West	-	-	-	2	2	Restricted
		North	1	0	2	2	5	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
Black Mountain Rd	Miramar Rd	West	-	-	-	2	2	Restricted
		North	1	0	2	2	5	Medium
		East	0	0	0	2	2	Low
		South						
Kearny Villa Rd	Miramar Rd	West	0	0	2	2	4	Medium
		North	0	0	1	2	3	Low
		East	0	0	0	2	2	Low
		South	0	0	0	2	2	Low
Kearny Mesa Rd	Miramar Rd	West	-	-	-	2	2	Restricted
		North	0	0	1	2	3	Low
		East	0	0	0	2	2	Low
		South	0	0	0	2	2	Low
		West	0	0	0	2	2	Low

Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
I-15 SB Ramps	Miramar Rd	North	0	1	1	2	4	Medium
		East	-	-	-	2	2	Restricted
		South						
		West	-	-	-	2	2	Restricted
Rehco Rd	Carroll Rd	North	1	0	1	2	4	Medium
		East	1	0	1	2	4	Medium
		South	1	0	1	2	4	Medium
		West	1	0	1	2	4	Medium
Camino Santa Fe	Carroll Rd	North	1	0	1	2	4	Medium
		East	1	0	1	2	4	Medium
		South	1	0	1	2	4	Medium
		West	1	0	1	2	4	Medium
Carroll Rd	Kenamar Dr	North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South	-	-	-	2	2	Restricted
		West	0	0	1	2	3	Low
Black Mountain Rd	Mercy Rd	North	1	1	2	2	6	Medium
		East	1	1	2	2	6	Medium
		South	1	1	2	2	6	Medium
		West	1	1	2	2	6	Medium
Black Mountain Rd	Westview Pkwy	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	-	-	-	2	2	Restricted
		West						
Black Mountain Rd	Capricorn Wy	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Black Mountain Rd	Galvin Ave	North	2	2	2	2	8	High
		East	0	0	2	2	4	Medium
		South	-	-	-	2	2	Restricted
		West	0	0	2	2	4	Medium
Black Mountain Rd	Gemini Ave	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Black Mountain Rd	Hillery Dr	North	1	1	2	2	6	Medium
		East	1	1	2	2	6	Medium
		South	1	1	2	2	6	Medium
		West	1	1	2	2	6	Medium
Black Mountain Rd	Miramar College	North	1	1	1	2	5	Medium
		East	0	1	2	2	5	Medium
		South	1	1	1	2	5	Medium
		West						
Black Mountain Rd	Gold Coast Dr	North	1	1	2	2	6	Medium
		East	1	1	2	2	6	Medium
		South	1	1	2	2	6	Medium
		West	1	1	2	2	6	Medium

Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Black Mountain Rd	Carroll Canyon Rd	North	1	1	2	2	6	Medium
		East	1	0	2	2	5	Medium
		South	-	-	-	2	2	Restricted
		West	0	0	1	2	3	Low
Black Mountain Rd	Maya Linda Rd	North	1	0	2	2	5	Medium
		East	0	0	2	2	4	Medium
		South	1	0	2	2	5	Medium
		West	0	0	2	2	4	Medium
Black Mountain Rd/Kearny Villa Rd	Black Mountain Rd/Carroll Centre Rd	North	1	0	2	2	5	Medium
		East	1	0	2	2	5	Medium
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Black Mountain Rd	Activity Rd	North	-	-	-	2	2	Restricted
		East	0	0	1	2	3	Low
		South	1	0	2	2	5	Medium
		West	1	0	2	2	5	Medium
Camino Ruiz	Teresa Dr/Capricorn Wy	North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Camino Ruiz	Westmore Rd	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	1	0	2	2	5	Medium
Camino Ruiz	New Salem St	North	0	0	2	2	4	Medium
		East	1	0	2	2	5	Medium
		South	0	0	2	2	4	Medium
		West	1	0	2	2	5	Medium
Camino Ruiz	Driveway	North	-	-	-	2	2	Restricted
		East						
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Camino Ruiz	Reagan Rd/Marauder Wy	North	0	0	1	2	3	Low
		East	1	0	1	2	4	Medium
		South	0	0	2	2	4	Medium
		West	0	0	1	2	3	Low
Camino Ruiz	Flanders Dr	North	0	0	2	2	4	Medium
		East	0	0	2	2	4	Medium
		South	0	0	2	2	4	Medium
		West	1	0	2	2	5	Medium
Camino Ruiz	Gold Coast Dr	North	1	1	2	2	6	Medium
		East	1	0	2	2	5	Medium
		South	0	0	2	2	4	Medium
		West	1	0	2	2	5	Medium
Camino Ruiz	Jade Coast Dr	North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South	-	-	-	2	2	Restricted
		West	0	0	1	2	3	Low



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Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Camino Ruiz	Carroll Canyon Rd	North	-	-	-	2	2	Restricted
		East						
		South	0	0	2	2	4	Medium
		West	1	0	2	2	5	Medium
Camino Ruiz	Miralani Dr	North	-	-	-	2	2	Restricted
		East	0	0	2	2	4	Medium
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
Camino Ruiz	Activity Rd	North	0	0	1	2	3	Low
		East	1	0	1	2	4	Medium
		South	-	-	-	2	2	Restricted
		West	0	0	1	2	3	Low
Mercy Rd	Kika Ct	North	0	0	1	2	3	Low
		East	0	0	1	2	3	Low
		South	-	-	-	2	2	Restricted
		West						
Alamenia Rd	Mercy Rd	North	0	0	1	2	3	Low
		East	-	-	-	2	2	Restricted
		South	0	0	1	2	3	Low
		West	0	0	1	2	3	Low
I-15 SB Ramps	Mercy Rd	North	0	0	2	2	4	Medium
		East	-	-	-	2	2	Restricted
		South	0	1	2	2	5	Medium
		West	-	-	-	2	2	Restricted
I-15 NB Ramps	Mercy Rd	North	0	0	1	2	3	Low
		East	0	1	1	2	4	Medium
		South	0	0	1	2	3	Low
		West	-	-	-	2	2	Restricted
Camino Santa Fe	Miratech Dr	North	0	0	1	2	3	Low
		East	0	0	0	2	2	Low
		South	-	-	-	2	2	Restricted
		West	1	0	1	2	4	Medium
Camino Santa Fe	Summers Ridge Rd	North	0	0	1	2	3	Low
		East						
		South	-	-	-	2	2	Restricted
		West	1	0	1	2	4	Medium
Camino Santa Fe	Unnamed Road	North	1	0	1	2	4	Medium
		East	1	0	1	2	4	Medium
		South	1	0	1	2	4	Medium
		West	1	0	1	2	4	Medium
Camino Santa Fe	Trade St	North	1	0	1	2	4	Medium
		East	1	0	2	2	5	Medium
		South	1	0	1	2	4	Medium
		West	0	0	1	2	3	Low
Montongo St	New Salem St	North	1	0	0	1	2	Low
		East	1	0	0	1	2	Low
		South	1	0	0	1	2	Low
		West	1	0	0	1	2	Low

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Intersection Analysis

Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
Dabney Dr	Flanders Dr	North	0	0	1	1	2	Low
		East	0	0	0	1	1	Low
		South						
		West	1	0	1	1	3	Low
Parkdale Ave	Flanders Dr	North	1	0	1	1	3	Low
		East	1	0	1	1	3	Low
		South	1	0	2	1	4	Medium
		West	1	0	1	1	3	Low
Parkdale Ave	Gold Coast Dr	North	0	0	0	1	1	Low
		East	1	0	1	1	3	Low
		South	1	0	1	1	3	Low
		West	1	0	1	1	3	Low
Empress Ave	Gold Coast Dr	North	0	0	1	1	2	Low
		East	0	0	0	0	0	Low
		South	1	0	0	1	2	Low
		West	0	0	0	0	0	Low
Baroness Ave	Gold Coast Dr	North						
		East	0	0	0	0	0	Low
		South	0	0	2	1	3	Low
		West	1	0	2	0	3	Low
San Ramon Dr	Gold Coast Dr	North	1	0	2	1	4	Medium
		East	0	0	2	1	3	Low
		South	1	0	1	1	3	Low
		West	1	0	1	1	3	Low
Thanksgiving Ln	Gold Coast Dr	North						
		East	1	0	0	1	2	Low
		South	1	0	1	1	3	Low
		West	1	0	1	1	3	Low
San Ramon Dr	Flanders Dr	North	1	0	2	1	4	Medium
		East	1	0	2	1	4	Medium
		South	1	0	2	1	4	Medium
		West	1	0	2	1	4	Medium
Ivory Coast Drive	Reagan Road	North						
		East	0	0	0	0	0	Low
		South	0	0	0	1	1	Low
		West	0	0	0	0	0	Low
Rickert Rd	Hillery Dr	North	1	0	2	1	4	Medium
		East	0	0	0	0	0	Low
		South						
		West	1	1	2	0	4	Medium
Montongo St	Acama St	North						
		East	0	0	0	1	1	Low
		South	1	0	0	1	2	Low
		West	0	0	0	1	1	Low
Camino Ruiz	Aquarius Dr	North	1	0	0	1	2	Low
		East	1	0	1	1	3	Low
		South	1	0	0	1	2	Low
		West	1	0	0	1	2	Low
Westonhill Dr	Arcturus Wy	North	1	0	0	1	2	Low
		East	1	0	2	1	4	Medium
		South	1	0	2	1	4	Medium

Intersection		Intersection Leg	Physical	Operational	ADA Curb Ramps	Traffic Control	SCORE	GRADE
NB/SB	EB/WB							
		West						



SEGMENT	NB/EB						SB/WB					
	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE
<b>Vista Sorrento Pkwy (NB/SB)</b>												
Sorrento Valley Blvd to Lusk Blvd	0	0	0	2	2	Low	0	0	0	0	0	Low
Lusk Blvd to Directors Pl	0	0	0	2	2	Low	0	0	0	0	0	Low
Directors Pl to Mira Sorrento Pl	0	1	1	2	4	Medium	0	0	0	0	0	Low
Mira Sorrento Pl to Mira Mesa Blvd	0	1	1	2	4	Medium	0	0	0	0	0	Low
<b>Sorrento Valley Rd (NS)</b>												
I-805 SB Ramps to I-805 NB Ramps	0	0	0	0	0	Low	0	0	0	2	2	Low
<b>Sorrento Valley Blvd (EW)</b>												
Juniper Park Ln to Sunny Mesa Rd	0	1	0	2	3	Low	0	1	0	0	1	Low
Sunny Mesa Rd to Camino Santa Fe	0	1	0	2	3	Low	0	1	0	2	3	Low
<b>Lusk Blvd (EW)</b>												
Vista Sorrento Pkwy to Office Driveways	0	0	0	2	2	Low	0	0	0	2	2	Low
Office Driveways to W Wateridge Cir	0	0	0	0	0	Low	0	0	0	2	2	Low
W Wateridge Cir to Telesis Ct	0	0	0	2	2	Low	0	0	0	2	2	Low
Telesis Ct to E Wateridge Cir	0	0	0	2	2	Low	0	0	0	2	2	Low
E Wateridge Cir to Pacific Center Blvd	0	0	0	2	2	Low	0	0	0	2	2	Low
Pacific Center Blvd to Barnes Canyon Rd	0	0	0	2	2	Low	0	0	0	2	2	Low
Barnes Canyon Rd to Morehouse Dr	0	0	0	2	2	Low	0	0	0	2	2	Low
Morehouse Dr to Mira Mesa Blvd	0	0	0	2	2	Low	0	0	1	2	3	Low
<b>Mira Sorrento Pl (EW)</b>												
Vista Sorrento Pkwy to Scranton Rd	0	1	0	2	3	Low	0	1	0	2	3	Low
<b>Scranton Rd (NS)</b>												
Mira Sorrento Pl to Morehouse Dr	1	1	0	2	4	Medium	1	0	0	2	3	Low
Morehouse Dr to Mira Mesa Blvd	1	0	1	2	4	Medium	1	0	1	2	4	Medium
Mira Mesa Blvd to Sorrento South Dvwy/Oberlin Dr	1	0	0	2	3	Low	1	0	0	2	3	Low
Sorrento South Dvwy/Oberlin Dr to Carroll Canyon Rd	1	0	0	2	3	Low	1	0	0	2	3	Low
<b>Pacific Center Blvd (NS,EW)</b>												
Lusk Blvd to Wireless Wy	1	1	0	0	2	Low	1	1	0	0	2	Low
Wireless Wy to Pacific Heights Blvd	1	1	1	2	5	Medium	1	1	0	2	4	Medium
Pacific Heights Blvd to Pacific Mesa Blvd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Pacific Heights Blvd (NS,EW)</b>												
Pacific Center Blvd to Barnes Canyon Rd (NS)	1	1	1	0	3	Low	1	1	1	0	3	Low
Barnes Canyon Rd to Pacific Mesa Blvd (EW)	1	0	1	0	2	Low	1	1	0	0	2	Low
Pacific Mesa Blvd to Mira Mesa Blvd	1	1	1	2	5	Medium	1	1	0	0	2	Low
Mira Mesa Blvd to Cornerstone Ct (NS)	1	1	0	0	2	Low	1	1	0	0	2	Low
Cornerstone Ct to Carroll Canyon Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Pacific Mesa Blvd (NS)</b>												
Pacific Heights Blvd to Pacific Center Blvd	1	1	0	0	2	Low	1	1	1	0	3	Low

SEGMENT	NB/EB						SB/WB					
	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE
<b>Calle Cristobal (EW)</b>												
Camino Santa Fe to Lopez Point Dr	0	1	1	2	4	Medium	0	1	1	2	4	Medium
Lopez Point Dr to Camino Propico	0	1	0	2	3	Low	0	1	0	2	3	Low
Camino Propico to Lopez Ridge Park Driveways	0	1	0	2	3	Low	0	1	0	2	3	Low
Lopez Ridge Park Driveways to Camino Miranda	0	1	0	2	3	Low	0	1	0	2	3	Low
Camino Miranda to Windy Ridge Wy	0	1	0	2	3	Low	0	1	0	2	3	Low
Windy Ridge Wy to Prairie Wood Dr	0	1	0	2	3	Low	0	1	0	2	3	Low
Prairie Wood Dr to Avenida Del Gato	0	1	0	2	3	Low	0	1	0	2	3	Low
Avenida Del Gato to Camino Ruiz	0	1	0	2	3	Low	0	1	0	2	3	Low
<b>Mira Mesa Blvd (EW)</b>												
I-805 NB Ramps to Scranton Rd	0	0	1	2	3	Low	1	0	1	2	4	Medium
Scranton Rd to Lusk Blvd	0	0	0	0	0	Low	0	1	0	2	3	Low
Lusk Blvd to Pacific Heights Blvd	0	0	0	0	0	Low	0	1	0	2	3	Low
Pacific Heights Blvd to Sequence Dr/Huennekens St	0	1	0	2	3	Low	0	1	0	2	3	Low
Sequence Dr/Huennekens St to Genetic Center Dr/Steadman St	0	1	0	2	3	Low	0	1	0	2	3	Low
Genetic Center Dr/Steadman St to Flanders Dr	0	1	0	2	3	Low	0	1	0	2	3	Low
Flanders Dr to Viper Wy	0	1	0	2	3	Low	0	1	0	2	3	Low
Viper Wy to Camino Santa Fe	0	1	0	2	3	Low	0	1	0	2	3	Low
Camino Santa Fe to Schilling Ave	0	1	0	2	3	Low	0	1	0	2	3	Low
Schilling Ave to Aderman Ave	0	0	0	2	2	Low	0	0	0	2	2	Low
Aderman Ave to Parkdale Ave	0	1	0	2	3	Low	0	1	0	2	3	Low
Parkdale Ave to Reagan Rd	0	0	0	2	2	Low	0	0	0	2	2	Low
Reagan Rd to Mira Mesa Mall Driveways	0	0	0	2	2	Low	0	1	0	2	3	Low
Mira Mesa Mall Driveways to Camino Ruiz	0	0	0	2	2	Low	0	1	0	2	3	Low
Camino Ruiz to New Salem St/Marauder Wy	1	1	0	2	4	Medium	1	1	0	2	4	Medium
New Salem St/Marauder Wy to Westonhill Dr	1	0	0	2	3	Low	1	1	0	2	4	Medium
Westonhill Dr to Greenford Dr	1	0	0	2	3	Low	1	0	0	2	3	Low
Greenford Dr to Westmore Rd/Marbury Ave	1	1	0	2	4	Medium	1	0	0	2	3	Low
Westmore Rd/Marbury Ave to Black Mountain Rd	1	1	0	2	4	Medium	1	0	0	2	3	Low
Black Mountain Rd to Westview Pkwy	1	0	0	2	3	Low	1	0	0	2	3	Low
Westview Pkwy to I-15 SB Ramps	1	0	0	2	3	Low	1	0	0	2	3	Low
I-15 SB Ramps to I-15 NB Ramps	1	0	0	2	3	Low	1	0	0	2	3	Low
<b>Carroll Canyon Rd/Carroll Rd (EW)</b>												
Sorrento Valley Rd/Mira Mesa Blvd to Business Access Road	0	1	2	2	5	Medium	0	0	0	0	0	Low
Business Access Road to Scranton Rd	0	1	2	2	5	Medium	0	0	0	0	0	Low
Scranton Rd to Youngstown Wy	0	0	0	0	0	Low	0	1	0	2	3	Low
Youngstown Wy to Nancy Ridge Dr	0	0	0	0	0	Low	0	1	0	2	3	Low
Nancy Ridge Dr to Pacific Heights Blvd	0	0	0	0	0	Low	0	1	0	2	3	Low
Pacific Heights Blvd to Rehco Rd	0	1	0	2	3	Low	0	1	0	2	3	Low
Rehco Rd to Camino Santa Fe	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Camino Santa Fe to Kenamar Dr	1	1	0	2	4	Medium	1	1	0	0	2	Low
Kenamar Dr to Miramar Rd	1	0	0	2	3	Low	1	1	0	2	4	Medium

SEGMENT	NB/EB						SB/WB					
	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE
<b>Miramar Rd (EW)</b>												
Miramar Pl to Camino Santa Fe	0	1	0	2	3	Low	0	1	1	2	4	Medium
Camino Santa Fe to Commerce Ave	0	0	0	0	0	Low	0	1	1	2	4	Medium
Commerce Ave to Production Ave	0	0	0	0	0	Low	0	1	1	2	4	Medium
Production Ave to Distribution Ave	0	0	0	0	0	Low	0	1	1	2	4	Medium
Distribution Ave to Miramar Wy	0	0	0	0	0	Low	0	1	1	2	4	Medium
Miramar Wy to Carroll Rd	0	0	0	0	0	Low	0	1	1	2	4	Medium
Carroll Rd to Empire St	0	0	0	0	0	Low	0	1	1	2	4	Medium
Empire St to Dowdy Dr	0	0	0	0	0	Low	0	1	1	2	4	Medium
Dowdy Dr to Cabot Dr	0	0	0	0	0	Low	0	1	1	2	4	Medium
Cabot Dr to Camino Ruiz	0	0	0	0	0	Low	0	1	1	2	4	Medium
Camino Ruiz to Clayton Dr/Mitscher Wy	1	0	0	0	1	Low	0	0	1	2	3	Low
Clayton Dr/Mitscher Wy to Black Mountain Rd	1	0	0	0	1	Low	0	1	1	2	4	Medium
Black Mountain Rd to Kearny Villa Rd	1	0	0	0	1	Low	0	1	1	2	4	Medium
Kearny Villa Rd to Kearny Mesa Rd	1	0	0	0	1	Low	0	1	1	2	4	Medium
Kearny Villa Rd to I-15 SB Ramps	1	1	0	2	4	Medium	0	1	1	2	4	Medium
I-15 SB Ramps to I-15 NB Ramps	0	1	0	2	3	Low	0	1	1	2	4	Medium
<b>Flanders Dr (EW)</b>												
Mira Mesa Blvd to Camino Santa Fe	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Camino Santa Fe to Keoki St	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Keoki St to Parkdale Ave	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Parkdale Ave to Camino Ruiz	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Camino Ruiz to San Ramon Dr	2	1	0	2	5	Medium	2	1	0	2	5	Medium
San Ramon Dr to Westonhill Dr	2	1	0	2	5	Medium	2	1	0	2	5	Medium
Westonhill Dr to Greenford Dr	2	1	1	2	6	Medium	2	1	0	2	5	Medium
<b>Camino Santa Fe (NS)</b>												
Sorrento Valley Blvd/Calle Cristobal to Top Gun St	0	1	0	2	3	Low	0	1	0	2	3	Low
Top Gun St to Mira Mesa Blvd	0	1	0	2	3	Low	0	1	0	2	3	Low
Mira Mesa Blvd to Flanders Dr	0	1	0	2	3	Low	0	1	0	2	3	Low
Flanders Dr to Miratech Dr	0	1	0	2	3	Low	0	1	0	2	3	Low
Miratech Dr to Summers Ridge Rd	0	1	0	2	3	Low	0	1	0	2	3	Low
Summers Ridge Rd to Unnamed Road	0	1	1	2	4	Medium	0	1	1	2	4	Medium
Unnamed Road to Trade St	0	1	1	2	4	Medium	0	1	0	2	3	Low
Trade St to Carroll Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Carroll Rd to Miramar Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Parkdale Ave (NS)</b>												
Mira Mesa Blvd to Flanders Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Flanders Dr to Gold Coast Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Montongo St (NS)</b>												
New Salem St to Goleta Rd	1	1	0	2	4	Medium	1	1	1	2	5	Medium
Goleta Rd to Mira Mesa Blvd	1	1	0	0	2	Low	1	1	0	2	4	Medium



SEGMENT	NB/EB						SB/WB					
	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE
<b>Camino Ruiz (NS)</b>												
Calle Cristobal to Aquarius Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Aquarius Dr to Teresa Dr/Capricorn Wy	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Teresa Dr/Capricorn Wy to Westmore Rd	1	1	0	2	4	Medium	1	1	0	0	2	Low
Westmore Rd to New Salem St	1	1	0	2	4	Medium	1	1	0	2	4	Medium
New Salem St to Mira Mesa Blvd	1	1	0	0	2	Low	1	1	0	2	4	Medium
Mira Mesa Blvd to Driveway	1	1	0	2	4	Medium	1	2	0	2	5	Medium
Driveway to Reagan/Marauder Wy	1	1	0	2	4	Medium	1	2	0	2	5	Medium
Reagan Rd/Marauder Wy to Flanders Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Flanders Dr to Gold Coast Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Gold Coast Dr to Jade Coast Dr	1	1	1	2	5	Medium	1	1	0	2	4	Medium
Jade Coast Dr to Carroll Canyon Rd	1	0	0	0	1	Low	0	0	0	0	0	Low
Carroll Canyon Rd to Miralani Dr	1	1	0	0	2	Low	0	2	0	2	4	Medium
Miralani Dr to Activity Rd	1	0	0	0	1	Low	0	0	0	0	0	Low
Activity Rd to Miramar Rd	1	1	0	2	4	Medium	0	0	0	0	0	Low
<b>Westmore Rd (EW)</b>												
Camino Ruiz to Westonhill Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Reagan Rd (NS,EW)</b>												
Mira Mesa Blvd to Camino Ruiz	1	1	1	2	5	Medium	1	1	0	2	4	Medium
<b>Marauder Wy (EW,NS)</b>												
Camino Ruiz to Mira Mesa Blvd	1	1	1	2	5	Medium	1	1	0	2	4	Medium
<b>Gold Coast Dr (EW)</b>												
Parkdale Ave to Camino Ruiz	2	1	0	2	5	Medium	2	1	0	0	3	Low
Camino Ruiz to San Ramon Dr	2	1	0	0	3	Low	2	1	1	0	4	Medium
San Ramon Dr to Westonhill Dr	2	1	0	2	5	Medium	2	1	0	2	5	Medium
Westonhill Dr to Thanksgiving Ln	2	1	0	2	5	Medium	2	1	0	2	5	Medium
Thanksgiving Ln to Black Mountain Rd	2	1	0	2	5	Medium	2	1	0	2	5	Medium
Black Mountain Rd to Maya Linda Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Westonhill Dr (NS)</b>												
Menkar Rd to Aquarius Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Aquarius Dr to Arcturus Wy	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Arcturus Wy to Capricorn Wy	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Capricorn Wy to Libra Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Libra Dr to Westmore Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Westmore Rd to Mira Mesa Blvd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Mira Mesa Blvd to Flanders Dr	2	1	0	2	5	Medium	2	1	0	2	5	Medium
Flanders Dr to Gold Coast Dr	2	1	0	2	5	Medium	2	1	1	2	6	Medium
Gold Coast Dr to Jade Coast Dr	2	1	0	2	5	Medium	2	1	1	2	6	Medium
<b>Capricorn Wy (EW)</b>												
Camino Ruiz to Westonhill Dr	2	1	0	2	5	Medium	2	1	0	2	5	Medium
Westonhill Dr to Bootes St	2	1	0	2	5	Medium	2	1	0	2	5	Medium
Bootes St to Black Mountain Rd	2	1	0	2	5	Medium	2	1	0	2	5	Medium
Black Mountain Rd to Westview Pkwy	2	2	0	2	6	Medium	2	2	0	2	6	Medium

SEGMENT	NB/EB						SB/WB					
	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE	Speed	Horizontal Distance	Lighting	Clear Pedestrian Zone	SCORE	GRADE
<b>Black Mountain Rd (NS)</b>												
North of Northern Community Limit to Mercy Rd	0	1	0	2	3	Low	0	1	0	2	3	Low
Mercy Rd to Westview Pkwy	0	1	0	2	3	Low	0	1	0	2	3	Low
Westview Pkwy to Capricorn Wy	0	1	0	2	3	Low	0	1	0	2	3	Low
Capricorn Wy to Galvin Ave	0	1	0	2	3	Low	0	1	0	2	3	Low
Galvin Ave to Gemini Ave	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Gemini Ave to Mira Mesa Blvd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Mira Mesa Blvd to Village Green/The Hills Driveways	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Village Green/The Hills Driveways to Hillery Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Hillery Dr to Miramar College	1	1	1	2	5	Medium	1	1	0	2	4	Medium
Miramar College to Gold Coast Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Gold Coast Dr to Carroll Canyon Rd	1	1	0	2	4	Medium	1	0	0	2	3	Low
Carroll Canyon Rd to Maya Linda Rd	1	1	0	2	4	Medium	1	0	0	0	1	Low
Maya Linda Rd to Black Mountain Rd/Carroll Centre Rd	1	1	1	2	5	Medium	1	1	0	2	4	Medium
Black Mountain Rd/Kearny Villa Rd to Activity Rd	1	0	0	2	3	Low	1	1	0	0	2	Low
Activity Rd to Miramar Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Kearny Villa Rd (NS)</b>												
Black Mountain Rd/Carroll Centre Rd to Miramar Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Hillery Dr (EW)</b>												
Greenford Dr to Rickert Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Rickert Rd to Black Mountain Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Black Mountain Rd to Westview Pkwy	1	1	1	2	5	Medium	1	1	0	2	4	Medium
<b>Activity Rd (EW)</b>												
Camino Ruiz to Black Mountain Rd	1	1	0	2	4	Medium	1	0	0	0	1	Low
<b>Mercy Rd (EW)</b>												
Black Mountain Rd to Kika Ct	0	1	0	2	3	Low	0	1	0	2	3	Low
Kika Ct to Alemania Rd	0	1	0	2	3	Low	0	1	0	2	3	Low
I-15 SB Ramps to I-15 NB Ramps	0	0	0	2	2	Low	0	0	0	2	2	Low
<b>Westview Pkwy (NS)</b>												
Black Mountain Rd to Campus Point Dr N	0	1	0	2	3	Low	0	1	0	2	3	Low
Campus Point Dr N to Campus Point Dr S	0	0	0	2	2	Low	0	0	0	2	2	Low
Campus Point Dr S to Capricorn Wy	0	0	0	2	2	Low	0	0	0	2	2	Low
Capricorn Wy to Mira Lee Wy	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Mira Lee Wy to Galvin Ave	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Galvin Ave to Mira Mesa Blvd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Mira Mesa Blvd to Market Center Driveway	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Market Center Blvd to Hillery Dr	1	1	0	2	4	Medium	1	1	0	2	4	Medium
<b>Carroll Canyon Rd (EW)</b>												
Black Mountain Rd to Maya Linda Rd	1	1	0	2	4	Medium	1	1	0	2	4	Medium
Maya Linda Rd to I-15 SB Ramps	1	0	0	2	3	Low	1	0	0	2	3	Low
I-15 SB Ramps to I-15 NB Ramps	1	1	0	2	4	Medium	1	1	0	2	4	Medium

## APPENDIX C

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BICYCLE LEVEL OF TRAFFIC STRESS  
(BLTS) ANALYSIS DATA



KMZ ID	INTERSECTION			North Leg	East Leg	South Leg	West Leg
	NB/SB	EB/WB	Notes	BIKE POCKET LTS	BIKE POCKET LTS	BIKE POCKET LTS	BIKE POCKET LTS
1	Vista Sorrento Pkwy	Lusk Blvd	NB 50 MPH; No truncated domes on ramps	1	4	4	
2	Vista Sorrento Pkwy	Directors Pl	SB 50 MPH	1	4	3	
3	Vista Sorrento Pkwy	Mira Sorrento Pl		3	4	4	4
4	Vista Sorrento Pkwy	Mira Mesa Blvd	Ramps on north leg don't have truncated domes	3	4	4	4
5	I-805 NB Ramps	Carroll Canyon Rd		4	4	4	4
6	Juniper Park Ln	Sorrento Valley Blvd	No truncated domes on tamps; EB 45 MPH WB 50 MPH	4	4	4	4
7	Sunny Mesa Rd	Sorrento Valley Blvd		4	4	4	4
8	Camino Santa Fe	Sorrento Valley Blvd	SB 50 MPH; No truncated domes on SW corner		1	4	3
9	Camino Santa Fe	Top Gun St		4		1	4
10	Camino Santa Fe	Flanders Dr	EB 30 MPH; WB 40 MPH	4	4	4	4
11	Youngstown Wy	Carroll Canyon Rd	Audible x-walk 'Wait'	4	4		1
12	Nancy Ridge Dr	Carroll Canyon Rd	Audible x-walk ; repaving over centerline for E leg		1	4	4
13	Office Driveways	Lusk Blvd	No truncated domes on tamps;A lot of empty street parking, potentially good for added bike lane; Driveways on north and south legs	4	4	4	4
14	W Wateridge Cir	Lusk Blvd	No truncated domes on ramps; WB 45 MPH; Driveway on north leg	4	4	4	4
15	Telesis Ct	Lusk Blvd	No truncated domes on ramps	4	4	4	4
16	E Wateridge Cir	Lusk Blvd	No truncated domes on ramps		4	4	4
17	Pacific Center Blvd	Lusk Blvd	No truncated domes on ramps; Driveway on south leg	4	4	4	4
18	Lusk Blvd	Barnes Canyon Rd	NB 45 MPH; SB 50 MPH; EB/WB 35 MPH	4	4	4	4
19	Lusk Blvd	Morehouse Dr			4	4	4
20	Lusk Blvd	Mira Mesa Blvd	EB/WB 50 MPH	4	4	4	4
21	Scranton Rd	Mira Sorrento Pl		4		4	3
22	Scranton Rd	Morehouse Dr	No truncated domes on ramp; From SW corner, can't see ped head to cross NB; green paint on east leg	4	3	4	4
23	Scranton Rd	Mira Mesa Blvd	EB 40 MPH; SB 35 MPH	4	4	4	4
24	Scranton Rd	Sorrento South Dwy/Oberlin Dr	Truncated domes only on NW corner	4	4	4	4
25	Scranton Rd	Carroll Canyon Rd	Spray painted lines indicate W leg cross-walk will soon be getting high-vis w/ advance stop line; Weeds located on SW corner will prevent wheelchairs to comfortably get on sidewalk	4	4		1
26	Pacific Heights Blvd	Barnes Canyon Rd	Pacific Heights Blvd could use a bike facility, a lot of office buildings, tons of peds, and lower speed limits; driveway on east leg; NB 30 MPH; EB 35 MPH	4	4	4	4
27	Wireless Wy	Pacific Center Blvd	Driveway on north and south leg, curb extension on NE corner painted	4	4	4	4
28	Pacific Heights Blvd	Pacific Center Blvd	Driveway on north leg; WB/EB 40 MPH; SB 30 MPH	4	4	4	4
29	Pacific Mesa Blvd	Pacific Center Blvd	Truncated domes only on SW corner; SB 35 MPH; Driveway on North leg	4	4	4	4
30	Pacific Mesa Blvd	Pacific Heights Blvd		4	4	4	4
31	Pacific Heights Blvd	Mira Mesa Blvd	NB 30 MPH; SB 40 MPH	4	4	4	4
32	Pacific Heights Blvd	Cornerstone Ct	No truncated domes on the north leg	4	4	4	4
33	Pacific Heights Blvd	Carroll Canyon Rd	NB 40 MPH; WB 45 MPH; No ramp on SW corner	4	4		1
34	Lopez Point Dr	Calle Cristobal	SB 25 MPH	4	4	4	4
35	Camino Propico	Calle Cristobal	No truncated domes at corners; WB 45 MPH	4	4	4	4

KMZ ID	INTERSECTION			North Leg	East Leg	South Leg	West Leg
	NB/SB	EB/WB	Notes	BIKE POCKET LTS	BIKE POCKET LTS	BIKE POCKET LTS	BIKE POCKET LTS
36	Lopez Ridge Park Driveways	Calle Cristobal	No truncated domes at corners	4	4	4	4
37	Camino Miranda	Calle Cristobal	WB and EB 45 MPH; SB 25 MPH; No truncated domes at ramps; audible crosswalk	4	4	4	4
38	Windey Ridge Wy	Calle Cristobal	Truncated domes only at NW corner	4	4	4	4
39	Prairie Wood Dr	Calle Cristobal	No truncated domes at ramps; EB 45 MPH	4	4	4	4
40	Avenida Del Gato	Calle Cristobal	NB/SB 25 MPH; EB 45 MPH; No truncated domes on ramps	4	4	4	4
41	Camino Ruiz	Calle Cristobal	Truncated domes on the North leg, 2 on the NE leg; WB 45 MPH	4	4	4	4
42	Sequence Dr/ Huennekens St	Mira Mesa Blvd	NB 25 MPH	4	4	4	4
43	Genetic Center/Steadman St	Mira Mesa Blvd	SW ramp landing not very flat	4	4	4	4
44	Flanders Dr	Mira Mesa Blvd	Truncated domes at all ramps; SB 40 MPH; EB 50 MPH	4	4	4	4
45	Viper Wy	Mira Mesa Blvd		4	4	4	4
46	Camino Santa Fe	Mira Mesa Blvd	NB 45 MPH; SB 50 MPH; EB/WB 35 MPH; median juts into x-walk	4	4	4	4
47	Schilling Ave	Mira Mesa Blvd		4	4	4	4
48	Aderman Ave	Mira Mesa Blvd		4	4	4	4
49	Parkdale Ave	Mira Mesa Blvd	NB/SB 30 MPH; EB 45 MPH; WB 50 MPH	4	4	4	4
50	Reagan Rd	Mira Mesa Blvd	Audible crosswalks	4	4	4	4
51	Mira Mesa Mall Driveways	Mira Mesa Blvd		4	4	4	4
52	Camino Ruiz	Mira Mesa Blvd	Could easily create a bike pocket EB/WB on the left of the right-turn lanes; NB/SB 40 MPH; EB 25 MPH	4	4	4	4
53	New Salem St/Marauder Wy	Mira Mesa Blvd	Audible crossing; much of the high-vis x-walk markings are faded or paved over; WB 25 MPH; Mira Mesa Blvd has faded sharrows where bike facilities are not shown	4	4	4	4
54	Westonhill Dr	Mira Mesa Blvd	WB 40 MPH	4	4	4	4
55	Greenford Dr	Mira Mesa Blvd		4	4	4	4
56	Westmore Rd/Marbury Ave	Mira Mesa Blvd		4	4	4	4
57	Black Mountain Rd	Mira Mesa Blvd		3	4	4	4
58	Westview Pkwy	Mira Mesa Blvd		4	4	4	4
59	I-15 SB Ramps	Mira Mesa Blvd			4		4
60	I-15 NB Ramps	Mira Mesa Blvd			4		4
61	Westview Pkwy	Campus Point Dr N	Underutilized parking NB; No bike facility	4		4	4
62	Westview Pkwy	Campus Point Dr S		4		4	4
63	Westview Pkwy	Capricorn Wy	Besides the hill near Mercy drive, Westview is a great road for bike facility, tons of parks and schools; SB 40 MPH; yellow x-walks	4	4	4	4
64	Westview Pkwy	Mira Lee Wy	School driveway on W leg; N leg parking allowed all the way to the intersection, limits sight distance	4	4	4	4
65	Westview Pkwy	Galvin Ave		4		4	4
66	Westview Pkwy	Market Center Driveway		4	4	4	4
67	Westview Pkwy	Hillery Dr	Next to transit center; East leg has ped countdown only on one side	4	4	4	4
68	Maya Linda Rd	Carroll Canyon Rd	EB/WB 35 MPH; NB/SB 25 MPH	4	4	4	4
69	I-15 SB Ramps	Carroll Canyon Rd	EB/WB 35 MPH		4		4
70	I-15 NB Ramps	Carroll Canyon Rd	EB/WB 35 MPH		4		4
71	Camino Santa Fe	Miramar Rd		4	4	4	4
72	Commerce Ave	Miramar Rd		4	4	4	4
73	Production Ave	Miramar Rd		4	4		1

KMZ ID	INTERSECTION			North Leg	East Leg	South Leg	West Leg
	NB/SB	EB/WB	Notes	BIKE POCKET LTS	BIKE POCKET LTS	BIKE POCKET LTS	BIKE POCKET LTS
74	Distribution Ave	Miramar Rd	Peds can cross N and W legs but no x-walks	4	4		1
75	Miramar Wy	Miramar Rd	Sidewalk offset from N leg driveway; Push buttons all installed wrong; Asphalt sidewalks on S side	4	4	4	4
76	Carroll Canyon Rd	Miramar Rd		4	4		1
77	Empire St	Miramar Rd		4	4		1
78	Dowdy Dr	Miramar Rd		4	4		1
79	Chabot Dr	Miramar Rd		4	4		1
80	Camino Ruiz	Miramar Rd		4	4		1
81	Clayton Dr/Mitscher Wy	Miramar Rd		4	4	4	4
82	Black Mountain Rd	Miramar Rd		4	4		4
83	Kearny Villa Rd	Miramar Rd		4	4	4	4
84	Kearny Mesa Rd	Miramar Rd	No truncated domes at ramps	4	4	4	4
85	I-15 SB Ramps	Miramar Rd			4		4
86	Rancho Rd	Carroll Canyon Rd	No truncated domes on ramps	4	4	4	4
87	Camino Santa Fe	Carroll Canyon Rd		4	4	4	3
88	Carroll Canyon Rd	Kenamar Dr		4	4	4	
89	Black Mountain Rd	Mercy Rd	E/W Phased, Push button for pedestrian on S leg; WB 50 MPH; NB 45 MPH	4	4	3	4
90	Black Mountain Rd	Westview Pkwy		1	4	4	
91	Black Mountain Rd	Capricorn Wy		4	4	4	4
92	Black Mountain Rd	Galvin Ave	PED BRIDGE!	4	4	4	4
93	Black Mountain Rd	Gemini Ave		4	4	4	4
94	Black Mountain Rd	Hillery Dr	EB/WB 30 MPH; NB/SB 40 MPH; Yellow x-walks	4	3	4	4
95	Black Mountain Rd	Miramar College	Yellow x-walks; 25 MPH when children are present; On-street parking	2	4	4	
96	Black Mountain Rd	Gold Coast Dr		4	4	4	4
97	Black Mountain Rd	Carroll Canyon Rd	NB/ SB 40 MPH; EB 35 MPH	4	4	4	4
98	Black Mountain Rd	Maya Linda Rd	40 MPH WB/SB	4	4	4	4
99	Black Mountain Rd/Kearny Villa Rd	Black Mountain Rd/Carroll Centre Rd	North leg has bad striping	4	4	4	4
100	Black Mountain Rd	Activity Rd	Driveway on East leg	4	4	4	4
101	Camino Ruiz	Teresa Dr/Capricorn Wy	NB/SB 40 MPH; No truncated domes at ramps	4	4	4	4
102	Camino Ruiz	Westmore Rd	NB/SB 40 MPH; EB/Wb 30 MPH; Needs turn yield for EB/WB	4	4	4	4
103	Camino Ruiz	New Salem St	Could easily add NB bike pocket	4	4	4	4
104	Camino Ruiz	Driveway		4	4		1
105	Camino Ruiz	Reagan Rd/Marauder Wy	SB 40 MPH; WB/EB 30 MPH	4	4	4	4
106	Camino Ruiz	Flanders Dr		4	4	4	4
107	Camino Ruiz	Gold Coast Dr	Audible x-walks (bird)	4	4	4	4
108	Camino Ruiz	Jade Coast Dr	NB/SB 50 MPH; EB/WB 25 MPH	4	4	4	4
109	Camino Ruiz	Carroll Canyon Rd		4		4	4
110	Camino Ruiz	Miralani Dr	West leg has no crosswalk striping; EB/WB 30 MPH; NB/SB 40 MPH	4	4	4	4
111	Camino Ruiz	Activity Rd	No truncated domes on corners	4	4	4	4
112	Mercy Rd	Kika Ct	Intersection needs to be stripped	1	4	4	
113	Alamenia Rd	Mercy Rd		4	3	4	4
114	I-15 SB Ramps	Mercy Rd	EB bike lane needs to be realigned to left of RT lane; no x-walks at all, ped heads for N and S legs; WB 50 MPH		4	4	
115	I-15 NB Ramps	Mercy Rd	Ped refuge for E leg x-ing with ne ppb; dual ped ramps in NE and SE corners		3	4	
116	Camino Santa Fe	Miratech Dr		4	1	4	4
117	Camino Santa Fe	Summers Ridge Rd		4		1	4
118	Camino Santa Fe	Unnamed Road	New road being built EB; NB 50 MPH; SB 40 MPH; x-walk buttons showing wrong direction.	4	4	3	4

KMZ ID	INTERSECTION			North Leg	East Leg	South Leg	West Leg
	NB/SB	EB/WB	Notes	BIKE POCKET LTS	BIKE POCKET LTS	BIKE POCKET LTS	BIKE POCKET LTS
119	Camino Santa Fe	Trade St	Driveway on West leg; SB 40 MPH; NB 50 MPH; EB 40 MPH; E leg has lines dtriped in to become high-vis and advanced stop bar; E/W Split phased	4	4	4	4
120	Montongo St	New Salem St	EB/WB 30 MPH; Yellow crosswalks; near school ; speed limit 25 MPH when children are present; No ramp on the NE NW and SE corner	4	4	4	4
121	Montongo St	Goleta		4	4	4	4
122	Dabney Dr	Flanders Dr		4	4		4
123	Parkdale Ave	Flanders Dr		4	4	4	4
124	Parkdale Ave	Gold Coast Dr	Driveway on west leg	4	4	4	4
125	Empress Ave	Gold Coast Dr	No signs restricting crossing on east and west leg	4	4	4	4
126	Baroness Ave	Gold Coast Dr			4	4	4
127	San Ramon Dr	Gold Coast Dr	Yellow crosswalks; no crosswalk striping on the east leg	4	4	4	4
128	Thanksgiving Ln	Gold Coast Dr	No truncated domes		4	4	4
129	San Ramon Dr	Flanders Dr	Yellow crosswalks	4	4	4	4
130	Ivory Coast Drive	Reagan Road	2+ Pedestrian-Related Collisions		4	4	4



SEGMENT (Direction)	NB/EB								SB/WB							
	Bicycle Class	Posted Speed	85th Percentile Speed	# of Through Lanes	Bike Lane Width	Parking Lane Width	Bike Lane Blockage	Segment LTS	Bicycle Class	Posted Speed	85th Percentile Speed	# of Through Lanes	Bike Lane Width	Parking Lane Width	Bike Lane Blockage	Segment LTS
Vista Sorrento Parkway (NB/SB)																
Sorrento Valley Blvd to Lusk Blvd	2	50	46	*	*	*	*	4	2	50	46	*	*	*	*	4
Lusk Blvd to Directors Pl	2	50	46	*	*	*	*	4	2	50	46	*	*	*	*	4
Directors Pl to Mira Sorrento Pl	2	50	46	*	*	*	*	4	2	50	46	*	*	*	*	4
Mira Sorrento Pl to Mira Mesa Blvd	2	50	46	*	*	*	*	4	2	50	46	*	*	*	*	4
Sorrento Valley Rd (NS)																
I-805 SB Ramps to I-805 NB Ramps	-	45	53	*	*	*	*	4	-	45	54	*	*	*	*	4
Sorrento Valley Blvd (EW)																
Juniper Park Ln to Sunny Mesa Rd	2	45	51	*	*	*	*	4	2	45	49	*	*	*	*	4
Sunny Mesa Rd to Camino Santa Fe	2	45	51	*	*	*	*	4	2	45	49	*	*	*	*	4
Lusk Blvd (EW)																
Vista Sorrento Pkwy to Office Driveways	-	50	50	*	*	*	*	4	-	45	48	*	*	*	*	4
Office Driveways to W Wateridge Cir	-	50	50	*	*	*	*	4	-	45	48	*	*	*	*	4
W Wateridge Cir to Telesis Ct	-	50	50	*	*	*	*	4	-	45	48	*	*	*	*	4
Telesis Ct to E Wateridge Cir	-	50	50	*	*	*	*	4	-	45	48	*	*	*	*	4
E Wateridge Cir to Pacific Center Blvd	-	50	50	*	*	*	*	4	-	45	48	*	*	*	*	4
Pacific Center Blvd to Barnes Canyon Rd	-	50	50	*	*	*	*	4	-	45	48	*	*	*	*	4
Barnes Canyon Rd to Morehouse Dr	-	50	50	*	*	*	*	4	-	45	48	*	*	*	*	4
Morehouse Dr to Mira Mesa Blvd	-	50	50	*	*	*	*	4	-	45	48	*	*	*	*	4
Mira Sorrento Pl (EW)																
Vista Sorrento Pkwy to Scranton Rd	2	45	48	*	*	*	*	4	2	45	48	*	*	*	*	4
Scranton Rd (NS)																
Mira Sorrento Pl to Morehouse Dr	2	35	38	1	12	8	0	3	3	35	38	3	-	-	0	4
Morehouse Dr to Mira Mesa Blvd	3	35	38	2	-	-	0	4	3	35	38	3	-	-	0	4
Mira Mesa Blvd to Sorrento South Dvwy/Oberlin Dr	3	35	31	4	-	-	0	4	3	35	36	2	-	-	0	4
Sorrento South Dvwy/Oberlin Dr to Carroll Canyon Rd	3	35	31	3	-	-	0	4	3	35	36	2	-	-	0	4
Barnes Canyon Rd (EW)																
Scranton Rd to Lusk Blvd	3	35	41	1	-	8	1	4	3	35	41	1	-	8	1	4
Lusk Blvd to Pacific Heights Blvd	3	35	41	2	-	8	0	4	3	35	41	2	-	8	0	4
Pacific Center Blvd (NS,EW)																
Lusk Blvd to Wireless Wy	-	40	40	*	*	*	*	4	-	40	41	*	*	*	*	4
Wireless Wy to Pacific Heights Blvd	-	40	40	*	*	*	*	4	-	40	41	*	*	*	*	4
Pacific Heights Blvd to Pacific Mesa Blvd	-	40	40	*	*	*	*	4	-	40	41	*	*	*	*	4
Pacific Heights Blvd (NS,EW)																
Pacific Center Blvd to Barnes Canyon Rd (NS)	-	30	36	2	-	8	0	4	-	30	37	2	-	8	0	4
Barnes Canyon Rd to Pacific Mesa Blvd (EW)	-	30	36	2	-	8	0	4	-	30	37	2	-	8	0	4
Pacific Mesa Blvd to Mira Mesa Blvd	-	30	37	2	-	8	0	4	-	30	38	2	-	8	0	4
Mira Mesa Blvd to Cornerstone Ct (NS)	-	40	41	*	*	*	*	4	-	40	42	*	*	*	*	4
Cornerstone Ct to Carroll Canyon Rd	-	40	41	*	*	*	*	4	-	40	42	*	*	*	*	4
Pacific Mesa Blvd (NS)																
Pacific Heights Blvd to Pacific Center Blvd	3	35	40	2	-	8	0	4	3	35	41	2	-	8	0	4
Calle Cristobal (EW)																
Camino Santa Fe to Lopez Point Dr	2	45	51	*	*	*	*	4	2	45	51	*	*	*	*	4
Lopez Point Dr to Camino Propico	2	45	51	*	*	*	*	4	2	45	51	*	*	*	*	4
Camino Propico to Lopez Ridge Park Driveways	2	45	51	*	*	*	*	4	2	45	51	*	*	*	*	4
Lopez Ridge Park Driveways to Camino Miranda	2	45	51	*	*	*	*	4	2	45	51	*	*	*	*	4
Camino Miranda to Windy Ridge Wy	2	45	51	*	*	*	*	4	2	45	51	*	*	*	*	4
Windy Ridge Wy to Prairie Wood Dr	2	45	51	*	*	*	*	4	2	45	51	*	*	*	*	4
Prairie Wood Dr to Avenida Del Gato	2	45	51	*	*	*	*	4	2	45	51	*	*	*	*	4
Avenida Del Gato to Camino Ruiz	2	45	51	*	*	*	*	4	2	45	51	*	*	*	*	4

Mira Mesa Blvd (EW)																
I-805 to Scranton Rd	-	45	43	*	*	*	*	4	-	40	43	*	*	*	*	4
Scranton Rd to Lusk Blvd	2	50	49	*	*	*	*	4	2	50	49	*	*	*	*	4
Lusk Blvd to Pacific Heights Blvd	2	50	49	*	*	*	*	4	2	50	49	*	*	*	*	4
Pacific Heights Blvd to Sequence Dr/Huennekens St	2	50	49	*	*	*	*	4	2	50	49	*	*	*	*	4
Sequence Dr/Huennekens St to Genetic Center Dr/Steadman St	2	50	49	*	*	*	*	4	2	50	49	*	*	*	*	4
Genetic Center Dr/Steadman St to Flanders Dr	2	50	49	*	*	*	*	4	2	50	49	*	*	*	*	4
Flanders Dr to Viper Wy	2	50	52	*	*	*	*	4	2	50	54	*	*	*	*	4
Viper Wy to Camino Santa Fe	2	50	52	*	*	*	*	4	2	50	54	*	*	*	*	4
Camino Santa Fe to Schilling Ave	2	50	52	*	*	*	*	4	2	50	54	*	*	*	*	4
Schilling Ave to Aderman Ave	2	50	52	*	*	*	*	4	2	50	54	*	*	*	*	4
Aderman Ave to Parkdale Ave	2	50	52	*	*	*	*	4	2	50	54	*	*	*	*	4
Parkdale Ave to Reagan Rd	-	45	44	*	*	*	*	4	-	45	48	*	*	*	*	4
Reagan Rd to Mira Mesa Mall Driveways	2	45	44	*	*	*	*	4	2	45	48	*	*	*	*	4
Mira Mesa Mall Driveways to Camino Ruiz	2	45	44	*	*	*	*	4	2	45	48	*	*	*	*	4
Camino Ruiz to New Salem St/Marauder Wy	2	40	44	*	*	*	*	4	2	40	38	*	*	*	*	4
New Salem St/Marauder Wy to Westons Hill Dr	-	40	44	*	*	*	*	4	2	40	38	*	*	*	*	4
Westons Hill Dr to Greenford Dr	3	40	45	*	*	*	*	4	3	40	46	*	*	*	*	4
Greenford Dr to Westmore Rd/Marbury Ave	2	40	45	*	*	*	*	4	3	40	46	*	*	*	*	4
Westmore Rd/Marbury Ave to Black Mountain Rd	2	40	45	*	*	*	*	4	3	40	46	*	*	*	*	4
Black Mountain Rd to Westview Pkwy	-	35	40	3	-	-	-	4	-	35	37	3	-	-	-	4
Westview Pkwy to I-15 SB Ramps	-	35	40	3	-	-	-	4	-	35	37	4	-	-	-	4
I-15 SB Ramps to I-15 NB Ramps	-	35	40	3	-	-	-	4	-	35	37	3	-	-	-	4
Carroll Canyon Rd/Carroll Rd (EW)																
Sorrento Valley Rd/Mira Mesa Blvd to Business Access Road	2	45	48	*	*	*	*	4	2	45	48	*	*	*	*	4
Business Access Road to Scranton Rd	2	45	48	*	*	*	*	4	2	45	48	*	*	*	*	4
Scranton Rd to Youngstown Wy	2	45	48	*	*	*	*	4	2	45	48	*	*	*	*	4
Youngstown Wy to Nancy Ridge Dr	2	45	48	*	*	*	*	4	2	45	48	*	*	*	*	4
Nancy Ridge Dr to Pacific Heights Blvd	2	45	35	*	*	*	*	4	2	45	35	*	*	*	*	4
Pacific Heights Blvd to Rehco Rd	2	45	35	*	*	*	*	4	2	45	35	*	*	*	*	4
Rehco Rd to Camino Santa Fe	2	35	35	1	10	-	0	3	2	35	35	1	10	-	0	3
Camino Santa Fe to Kenamar Dr	-	35	35	1	-	-	-	4	-	35	35	1	-	-	-	4
Kenamar Dr to Miramar Rd	-	35	35	2	-	-	-	4	-	35	35	2	-	-	-	4
Miramar Rd (EW)																
Miramar Pl to Camino Santa Fe	2	50	51	*	*	*	*	4	2	50	48	*	*	*	*	4
Camino Santa Fe to Commerce Ave	2	50	51	*	*	*	*	4	2	50	48	*	*	*	*	4
Commerce Ave to Production Ave	2	50	51	*	*	*	*	4	2	50	48	*	*	*	*	4
Production Ave to Distribution Ave	2	50	51	*	*	*	*	4	2	50	48	*	*	*	*	4
Distribution Ave to Miramar Wy	2	50	51	*	*	*	*	4	2	50	48	*	*	*	*	4
Miramar Wy to Carroll Rd	2	50	54	*	*	*	*	4	2	50	53	*	*	*	*	4
Carroll Rd to Empire St	2	50	54	*	*	*	*	4	2	50	53	*	*	*	*	4
Empire St to Dowdy Dr	2	50	54	*	*	*	*	4	2	50	53	*	*	*	*	4
Dowdy Dr to Cabot Dr	2	50	54	*	*	*	*	4	2	50	53	*	*	*	*	4
Cabot Dr to Camino Ruiz	2	50	54	*	*	*	*	4	2	50	53	*	*	*	*	4
Camino Ruiz to Clayton Dr/Mitscher Wy	2	40	46	*	*	*	*	4	-	45	48	*	*	*	*	4
Clayton Dr/Mitscher Wy to Black Mountain Rd	2	40	46	*	*	*	*	4	2	45	48	*	*	*	*	4
Black Mountain Rd to Kearny Villa Rd	2	40	46	*	*	*	*	4	2	45	48	*	*	*	*	4
Kearny Villa Rd to Kearny Mesa Rd	2	40	46	*	*	*	*	4	2	45	48	*	*	*	*	4
Kearny Villa Rd to I-15 SB Ramps	2	40	46	*	*	*	*	4	2	45	48	*	*	*	*	4
I-15 SB Ramps to I-15 NB Ramps	-	45	51	*	*	*	*	-	-	45	51	*	*	*	*	4

Flanders Dr (EW)																
Mira Mesa Blvd to Camino Santa Fe	2	40	42	*	*	*	*	4	2	40	42	*	*	*	*	4
Camino Santa Fe to Keoki St	2	30	36	2	6	-	0	3	2	30	36	2	6	-	0	3
Keoki St to Parkdale Ave	3	30	33	1	-	-	-	3	3	30	33	1	-	-	-	3
Parkdale Ave to Camino Ruiz	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Camino Ruiz to San Ramon Dr	-	25	32	1	-	-	-	2	-	25	32	1	-	-	-	2
San Ramon Dr to Westonhill Dr	-	25	32	1	-	-	-	2	-	25	32	1	-	-	-	2
Westonhill Dr to Greenford Dr	-	25	32	1	-	-	-	2	-	25	32	1	-	-	-	2
Camino Santa Fe (NS)																
Sorrento Valley Blvd/Calle Cristobal to Top Gun St	2	45	52	*	*	*	*	4	2	50	56	*	*	*	*	4
Top Gun St to Mira Mesa Blvd	2	50	54	*	*	*	*	4	2	50	56	*	*	*	*	4
Mira Mesa Blvd to Flanders Dr	2	50	54	*	*	*	*	4	2	50	56	*	*	*	*	4
Flanders Dr to Miratech Dr	2	50	54	*	*	*	*	4	2	50	56	*	*	*	*	4
Miratech Dr to Summers Ridge Rd	2	50	54	*	*	*	*	4	2	50	56	*	*	*	*	4
Summers Ridge Rd to Unnamed Road	2	50	54	*	*	*	*	4	2	50	56	*	*	*	*	4
Unnamed Road to Trade St	2	50	54	*	*	*	*	4	2	50	56	*	*	*	*	4
Trade St to Carroll Rd	2	40	50	*	*	*	*	4	2	40	50	*	*	*	*	4
Carroll Rd to Miramar Rd	-	40	50	*	*	*	*	4	-	40	50	*	*	*	*	4
Parkdale Ave (NS)																
Mira Mesa Blvd to Flanders Dr	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Flanders Dr to Gold Coast Dr	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Gold Coast Dr to Northrup Dr	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Northrup Dr to Osgood Way	-	30	34	1	-	-	-	2	-	30	34	1	-	-	-	2
Production Ave (NS)																
Carroll Rd to Miramar Rd	-	30	36	1	-	-	-	3	-	30	36	1	-	-	-	3
Distribution Ave (NS)																
Carroll Rd to Miramar Rd	-	35	36	1	-	-	-	4	-	35	36	1	-	-	-	4
Montongo St (NS)																
Acama St to New Salem St	-	40	47	*	*	*	*	4	-	40	47	*	*	*	*	4
New Salem St to Goleta Rd	-	30	35	1	-	-	-	3	-	30	35	1	-	-	-	3
Goleta Rd to Mira Mesa Blvd	-	30	35	1	-	-	-	3	-	30	35	1	-	-	-	3
Camino Ruiz (NS)																
Calle Cristobal to Aquarius Dr	2	40	46	*	*	*	*	4	2	40	46	*	*	*	*	4
Aquarius Dr to Teresa Dr/Capricorn Wy	2	40	46	*	*	*	*	4	2	40	46	*	*	*	*	4
Teresa Dr/Capricorn Wy to Westmore Rd	2	40	46	*	*	*	*	4	2	40	46	*	*	*	*	4
Westmore Rd to New Salem St	3	40	46	*	*	*	*	4	2	40	46	*	*	*	*	4
New Salem St to Mira Mesa Blvd	-	40	46	*	*	*	*	4	-	40	46	*	*	*	*	4
Mira Mesa Blvd to Driveway	2	40	44	*	*	*	*	4	2	40	44	*	*	*	*	4
Driveway to Reagan/Marauder Wy	2	40	44	*	*	*	*	4	2	40	44	*	*	*	*	4
Reagan Rd/Marauder Wy to Flanders Dr	2	40	44	*	*	*	*	4	2	40	44	*	*	*	*	4
Flanders Dr to Gold Coast Dr	2	40	44	*	*	*	*	4	2	40	44	*	*	*	*	4
Gold Coast Dr to Jade Coast Dr	-	40	44	*	*	*	*	4	-	40	44	*	*	*	*	4
Jade Coast Dr to Carroll Canyon Rd	-	40	47	*	*	*	*	4	-	50	54	*	*	*	*	4
Carroll Canyon Rd to Miralani Dr	2	40	47	*	*	*	*	4	2	50	54	*	*	*	*	4
Miralani Dr to Activity Rd	3	40	47	*	*	*	*	4	3	50	54	*	*	*	*	4
Activity Rd to Miramar Rd	-	40	47	*	*	*	*	4	-	50	54	*	*	*	*	4
Westmore Rd (EW)																
Montongo St to Camino Ruiz	-	30	35	1	-	-	-	3	-	30	35	1	-	-	-	3
Camino Ruiz to Westonhill Dr	-	30	35	1	-	-	-	3	-	30	35	1	-	-	-	3
Marbury Ave (EW)																
Westonhill Dr to Mira Mesa Blvd	-	30	-	1	0	0	0	3	-	30	35	1	0	0	0	3
Mira Mesa Blvd to Hillery Dr	-	30	-	1	0	0	0	3	-	30	35	1	0	0	0	3
Reagan Rd (NS,EW)																
Mira Mesa Blvd to Camino Ruiz	-	30	36	1	-	-	-	3	-	30	36	1	-	-	-	3
Marauder Wy (EW,NS)																
Camino Ruiz to Mira Mesa Blvd	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3

Gold Coast Dr (EW)																
Parkdale Ave to Camino Ruiz	3	25	34	1	-	-	-	2	3	25	34	1	-	-	-	2
Camino Ruiz to San Ramon Dr	3	25	32	1	-	-	-	2	3	25	32	1	-	-	-	2
San Ramon Dr to Westonhill Dr	3	25	32	1	-	-	-	2	3	25	32	1	-	-	-	2
Westonhill Dr to Thanksgiving Ln	3	25	31	1	-	-	-	2	3	25	31	1	-	-	-	2
Thanksgiving Ln to Black Mountain Rd	3	25	31	1	-	-	-	2	3	25	31	1	-	-	-	2
Black Mountain Rd to Maya Linda Rd	3	30	33	1	-	-	-	3	3	30	33	1	-	-	-	3
Westonhill Dr (NS)																
Menkar Rd to Aquarius Dr	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Aquarius Dr to Arcturus Wy	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Arcturus Wy to Capricorn Wy	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Capricorn Wy to Libra Dr	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Libra Dr to Westmore Rd	-	30	33	1	-	-	-	3	-	30	33	1	-	-	-	3
Westmore Rd to Mira Mesa Blvd	-	30	33	1	-	-	-	3	-	30	33	2	-	-	-	3
Mira Mesa Blvd to Flanders Dr	-	25	32	1	-	-	-	2	-	25	32	1	-	-	-	2
Flanders Dr to Gold Coast Dr	-	25	32	1	-	-	-	2	-	25	32	1	-	-	-	2
Gold Coast Dr to Jade Coast Dr	-	25	32	1	-	-	-	2	-	25	32	1	-	-	-	2
Aquarius Dr (EW)																
Camino Ruiz to Westonhill Dr	-	25		1	-	-	-	2	-	25		1	-	-	-	2
Westonhill Dr to Bootes Dt	-	25		1	-	-	-	2	-	25		1	-	-	-	2
Capricorn Wy (EW)																
Camino Ruiz to Westonhill Dr	-	25		1	-	-	-	2	-	25		1	-	-	-	2
Westonhill Dr to Bootes St	-	25		1	-	-	-	2	-	25		1	-	-	-	2
Bootes St to Black Mountain Rd	-	25		1	-	-	-	2	-	25		1	-	-	-	2
Black Mountain Rd to Westview Pkwy	-	25		1	-	-	-	2	-	25		1	-	-	-	2
Bootes St (NS)																
Revelstoke Way to Libra Dr	-	25		1	-	-	-	2	-	25		1	-	-	-	2
Libra Dr (EW)																
Westonhill Dr to Hyades Wy	-	25		1	-	-	-	2	-	25		1	-	-	-	2
Greenford Dr (EW)																
Mira Mesa Blvd to Hillery Dr	-	25	31	1	-	-	-	2	-	25	31	1	-	-	-	2
Hillery Dr to Flanders Dr	-	25	31	1	-	-	-	2	-	25	31	1	-	-	-	2
Black Mountain Rd (NS)																
North of Northern Community Limit to Mercy Rd	2	45	55	*	*	*	*	4	2	45	55	*	*	*	*	4
Mercy Rd to Westview Pkwy	2	50	49	*	*	*	*	4	2	50	50	*	*	*	*	4
Westview Pkwy to Capricorn Wy	2	50	56	*	*	*	*	4	2	50	56	*	*	*	*	4
Capricorn Wy to Galvin Ave	2	50	56	*	*	*	*	4	2	50	56	*	*	*	*	4
Galvin Ave to Gemini Ave	2	35	37	2	11	-	0	3	2	35	40	2	11	-	0	3
Gemini Ave to Mira Mesa Blvd	2	35	37	2	6	-	0	3	2	35	40	2	13	-	0	3
Mira Mesa Blvd to Village Green/The Hills Driveways	2	40	42	*	*	*	*	4	2	40	41	*	*	*	*	4
Village Green/The Hills Driveways to Hillery Dr	2	40	42	*	*	*	*	4	2	40	41	*	*	*	*	4
Hillery Dr to Miramar College	2	40	42	*	*	*	*	4	2	40	41	*	*	*	*	4
Miramar College to Gold Coast Dr	2	40	42	*	*	*	*	4	2	40	41	*	*	*	*	4
Gold Coast Dr to Carroll Canyon Rd	3	40	42	*	*	*	*	4	3	40	41	*	*	*	*	4
Carroll Canyon Rd to Maya Linda Rd	3	40	42	*	*	*	*	4	3	40	41	*	*	*	*	4
Maya Linda Rd to Black Mountain Rd/Carroll Centre Rd	2	40	42	*	*	*	*	4	2	40	41	*	*	*	*	4
Black Mountain Rd/Kearny Villa Rd to Activity Rd	-	30	36	2	6	-	0	4	-	30	36	2	6	-	0	4
Activity Rd to Miramar Rd	-	30	36	2	6	14	0	4	-	30	36	2	6	-	0	4
Kearny Villa Rd (NS)																
Black Mountain Rd/Carroll Centre Rd to Miramar Rd	2	40	44	*	*	*	*	4	2	40	44	*	*	*	*	4
Miramar Rd to South of Southern Community Limit	2	45	52	*	*	*	*	4	2	45	51	*	*	*	*	4
Gemini Ave (EW)																
Draco Rd to Black Mountain Rd	-	25	31	1	-	-	-	2	-	25	31	2	-	-	-	3



Hillery Dr (EW)																
Marauder Wy to Westhill Dr	-	25	-	1	0	0	0	2	-	25	-	1	0	0	0	2
Westhill Dr to Greenford Dr	-	25	-	1	0	0	0	2	-	25	-	1	0	0	0	2
Greenford Dr to Rickert Rd	-	30	29	1	-	-	-	3	-	30	29	1	-	-	-	3
Rickert Rd to Black Mountain Rd	-	30	29	1	-	-	-	3	-	30	29	1	-	-	-	3
Black Mountain Rd to Westview Pkwy	2	35	38	2	6	-	0	3	2	35	38	2	6	-	0	3
Activity Rd (EW)																
Camino Ruiz to Black Mountain Rd	-	35	37	1	-	-	-	4	-	35	37	1	-	-	-	4
Mercy Rd (EW)																
Black Mountain Rd to Kika Ct	2	45	49	*	*	*	*	4	2	50	55	*	*	*	*	4
Kika Ct to Alemania Rd	2	45	49	*	*	*	*	4	2	50	55	*	*	*	*	4
I-15 SB Ramps to I-15 NB Ramps	2	45	49	*	*	*	*	4	2	50	55	*	*	*	*	4
I-15 NB Ramps to East of Eastern Community Limit	2	45	49	*	*	*	*	4	2	50	55	*	*	*	*	4
Westview Pkwy (NS)																
Black Mountain Rd to Campus Point Dr N	-	45	48	*	*	*	*	4	-	45	45	*	*	*	*	4
Campus Point Dr N to Campus Point Dr S	-	45	48	*	*	*	*	4	-	45	45	*	*	*	*	4
Campus Point Dr S to Capricorn Wy	-	45	48	*	*	*	*	4	-	45	45	*	*	*	*	4
Capricorn Wy to Mira Lee Wy	-	40	43	*	*	*	*	4	-	40	42	*	*	*	*	4
Mira Lee Wy to Galvin Ave	-	40	43	*	*	*	*	4	-	40	42	*	*	*	*	4
Galvin Ave to Mira Mesa Blvd	-	40	43	*	*	*	*	4	-	40	42	*	*	*	*	4
Mira Mesa Blvd to Market Center Driveway	-	40	43	*	*	*	*	4	-	40	42	*	*	*	*	4
Market Center Driveway to Hillery Dr	2	40	43	*	*	*	*	4	2	40	42	*	*	*	*	4
Galvin Ave (EW)																
Black Mountain Rd to Westview Pkwy	-	35	38	2	-	-	-	4	-	35	38	2	-	-	-	4
Carroll Canyon Rd (EW)																
Black Mountain Rd to Maya Linda Rd	-	35	42	2	-	-	-	4	-	35	42	2	-	-	-	4
Maya Linda Rd to I-15 SB Ramps	-	35	42	2	-	-	-	4	-	35	42	2	-	-	-	4
I-15 SB Ramps to I-15 NB Ramps	-	35	42	2	-	-	-	4	-	35	42	2	-	-	-	4
Maya Linda Rd (NS)																
Black Mountain Rd to Carroll Canyon Rd	-	25	27	1	-	-	-	2	-	25	27	1	-	-	-	2

## APPENDIX D

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### BUS ROUTES & RIDERSHIP

CASH FARES / Tarifas en efectivo

Exact fare, please / Favor de pagar la cantidad exacta	
Day Pass (Regional) / Pase diario (Regional) Compass Card required (\$2) / Se requiere un Compass Card (\$2)	\$5.00
One-Way Fare / Tarifa de una dirección	\$2.50
Senior (60+)/Disabled/Medicare Mayores de 60 años/Discapacitados/Medicare	\$1.25*
Children 5 & under / Niños de 5 años o menos Up to two children ride free per paying adult / Máximo dos niños viajan gratis por cada adulto	FREE / GRATIS
MONTHLY PASSES / Pases mensual	
Adult / Adulto	\$72.00
Senior (60+)/Disabled/Medicare Mayores de 60 años/Discapacitados/Medicare	\$18.00*
Youths (18 and under) Jóvenes (18 años o menos)	\$36.00*

\*I.D. required for discount fare or pass.  
\*Se requiere identificación para tarifas o pases de descuento.

**DAY PASS (REGIONAL) / Pase diario (Regional)**

All passes are sold on Compass Card, which can be reloaded and reused for up to five years. Compass Cards are available for \$2 at select outlets. A \$5 Day Pass requires a Compass Card. A paper Day Pass can be purchased on board buses for an additional \$2 fee.

Todos los pases se venden en el Compass Card, el cual puede ser recargado y reutilizado por hasta cinco años. Compass Cards están disponibles por \$2 en selectas sucursales. Un pase de un día por \$5 requiere un Compass Card. Un pase de un día de papel se puede obtener a bordo los autobuses por un costo adicional de \$2.

DIRECTORY / Directorio

Regional Transit Information Información de transporte público regional	511 or/ó (619) 233-3004
TTY/TDD (teletype for hearing impaired) Teletipo para sordos	(619) 234-5005 or/ó (888) 722-4889
InfoExpress (24-hour info via Touch-Tone phone) Información las 24 horas (vía teléfono de teclas)	(619) 685-4900
Customer Service / Suggestions Servicio al cliente / Sugerencias	(619) 557-4555
SafeWatch	(619) 557-4500
Lost & Found Objetos extraviados	(619) 557-4555
Transit Store	(619) 234-1060 12th & Imperial Transit Center M-F 8am-5pm
For MTS online trip planning Planificación de viajes por Internet	sdmts.com

For more information on riding MTS services, pick up a Rider's Guide on a bus or at the Transit Store, or visit [sdmts.com](http://sdmts.com).  
Para obtener más información sobre el uso de los servicios de MTS, recoja un 'Rider's Guide' en un autobús o en la Transit Store, o visita a [www.sdmts.com](http://www.sdmts.com).

Thank you for riding MTS! ¡Gracias por viajar con MTS!

Effective JANUARY 28, 2018


20

Downtown –  
Rancho Bernardo  
Station  
via Fashion Valley


110

Downtown –  
Mira Mesa Express  
via I-15 / Hwy 163

- DESTINATIONS**
- City College
  - Downtown Courthouses (110)
  - Fashion Valley Mall (20)
  - Miramar College
  - Mira Mesa MarketCenter




Metropolitan Transit System



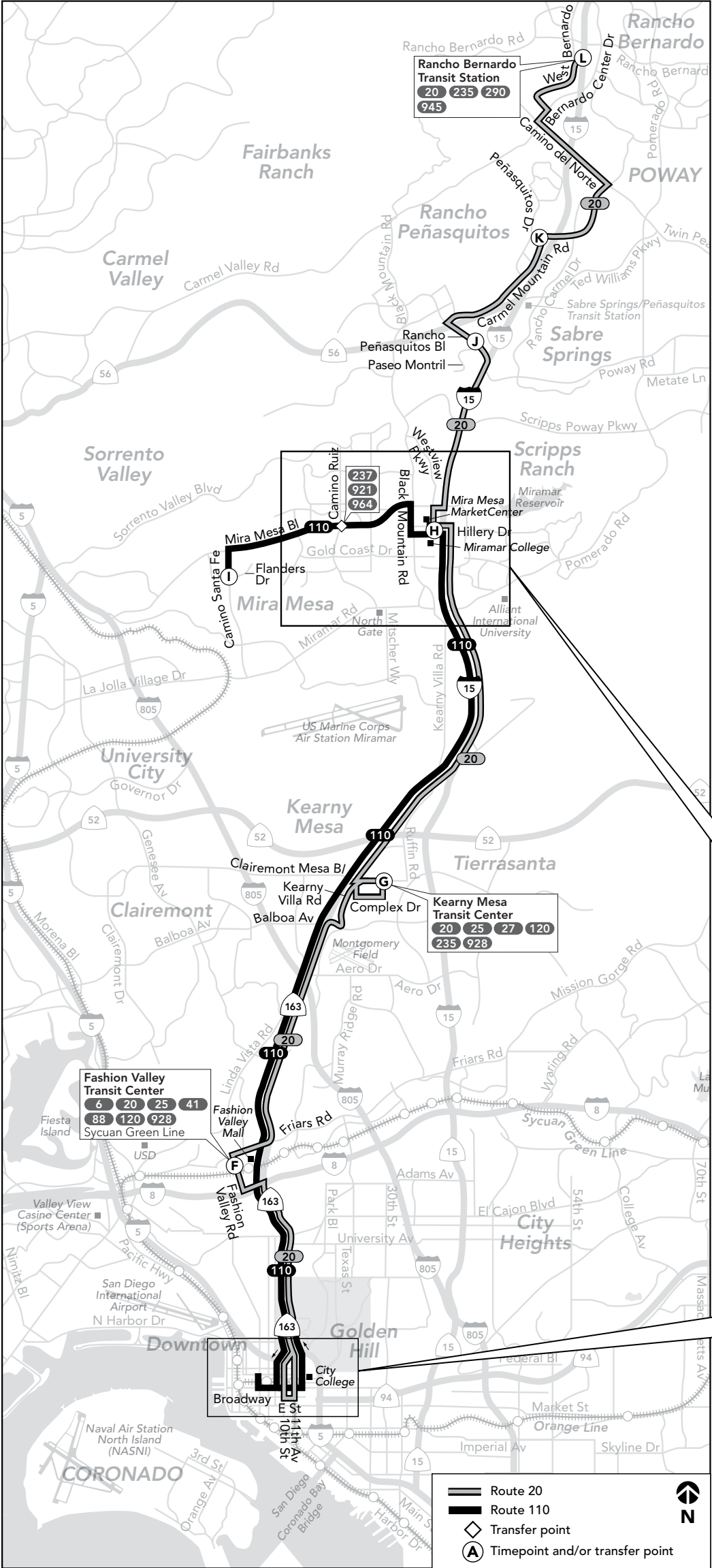
TROLLEY  
CONNECTIONS

City College  
Fashion Valley (20)



01/18

Alternative formats available upon request. Please call: (619) 557-4555 / Formato alternativo disponible al preguntar. Favor de llamar: (619) 557-4555



Route 110 – Monday through Friday / lunes a viernes

Morning only				
Mira Mesa ➡ Downtown				
I Camino Santa Fe & Flanders Dr. DEPART	H Miramar College Transit Station	D 10th Av. & B St.	C Broadway & 5th Av.	B Broadway & 1st Av. ARRIVE
6:02a	6:15a	6:35a	6:39a	6:44a
6:22	6:35	6:55	6:59	7:04
6:40	6:55	7:17	7:21	7:27
7:05	7:20	7:42	7:46	7:52

Route 110 – Monday through Friday / lunes a viernes

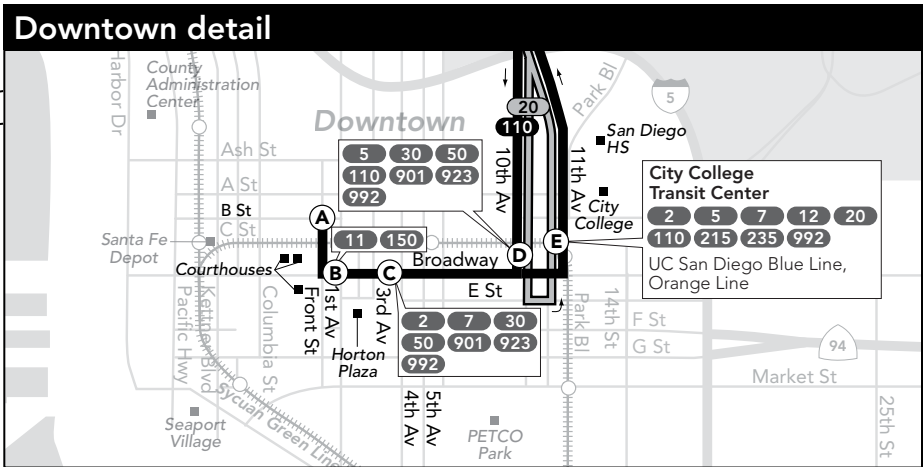
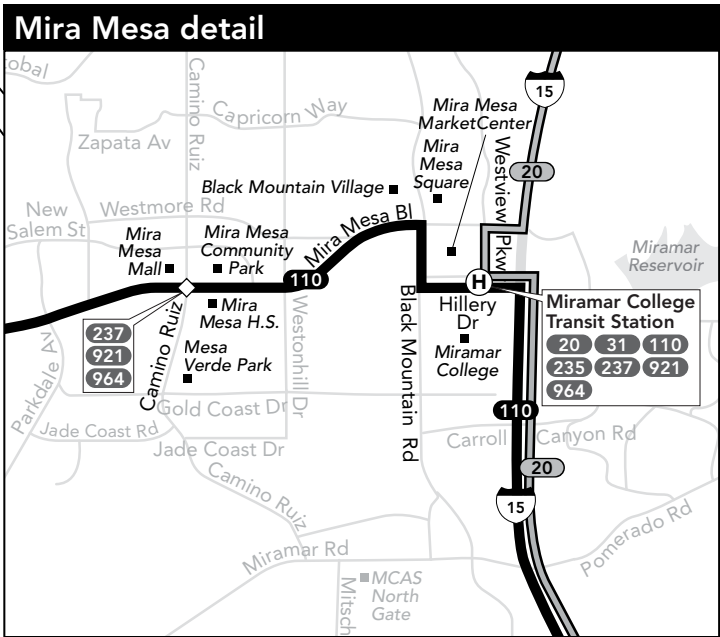
Afternoon only				
Downtown ➡ Mira Mesa				
A Front St. & B St. DEPART	C Broadway & 3rd Av.	E City College Transit Center (11th & B)	H Miramar College Transit Station	I Camino Santa Fe & Flanders Dr. ARRIVE
4:02p	4:05p	4:12p	4:31p	4:47p
4:27	4:30	4:37	4:58	5:15
4:52	4:55	5:02	5:23	5:40
5:22	5:25	5:32	5:53	6:10

The schedules and other information shown in this timetable are subject to change. MTS does not assume responsibility for errors in timetables nor for any inconvenience caused by delayed buses.  
Los horarios e información que se indican en este itinerario están sujetos a cambios. MTS no asume responsabilidad por errores en los itinerarios, ni por ningún perjuicio que se origine por los autobuses demorados.

Route 110 does not operate on weekends or on the following holidays and observed holidays  
La ruta 110 no ofrece servicio durante el fin de semana ó durante los siguientes días festivos y feriados observados

>>>

New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, Christmas



Route 20 – Monday through Friday / <i>lunes a viernes</i>															
Downtown ➡ Kearny Mesa ➡ Rancho Bernardo									Rancho Bernardo ➡ Kearny Mesa ➡ Downtown						
ⓓ 10th Av. & Broadway DEPART	ⓔ City College Transit Center (11th & C)	ⓕ Fashion Valley Transit Center ARRIVE DEPART	ⓖ Kearny Mesa Transit Center	ⓓ Miramar College Transit Station	ⓙ Rancho Peñasquitos Bl. & Paseo Montril	Ⓚ Carmel Mtn. Rd. & Peñasquitos Dr.	Ⓛ Rancho Bernardo Transit Station ARRIVE	Ⓛ Rancho Bernardo Transit Station DEPART	Ⓚ Carmel Mtn. Rd. & Peñasquitos Dr.	ⓙ Rancho Peñasquitos Bl. & Paseo Montril	ⓓ Miramar College Transit Station	ⓖ Kearny Mesa Transit Center	ⓕ Fashion Valley Transit Center ARRIVE DEPART	ⓓ 10th Av. & Broadway ARRIVE	
—	4:57a	5:07a	5:09a	5:21a	5:32a	5:39a	5:47a	5:15a	5:29a	5:37a	5:46a	5:56a	6:08a	6:10a	6:20a
—	5:27	5:37	5:39	5:52	6:03	6:10	6:18	5:41	5:56	6:05	6:14	6:25	6:38	6:40	6:51
—	5:42	5:52	5:54	6:08	—	—	—	5:41	—	—	—	6:25	6:38	6:40	6:51
5:54a	5:57	6:07	6:09	6:23	6:34	6:42	6:50	6:18	6:36	6:48	6:59	7:10	7:23	7:25	7:37
6:09	6:12	6:22	6:24	6:39	—	—	—	—	—	—	—	7:25	7:38	7:40	7:52
6:23	6:26	6:36	6:38	6:53	7:05	7:13	7:22	6:48	7:06	7:18	7:29	7:40	7:53	7:55	8:07
6:38	6:41	6:51	6:53	7:08	—	—	—	—	—	—	—	7:55	8:08	8:10	8:22
6:53	6:56	7:06	7:08	7:23	7:35	7:43	7:52	7:18	7:36	7:48	7:59	8:10	8:23	8:25	8:37
7:08	7:11	7:21	7:23	7:38	—	—	—	—	—	—	—	8:26	8:39	8:41	8:53
7:23	7:26	7:36	7:38	7:53	8:05	8:13	8:22	7:49	8:07	8:19	8:30	8:41	8:54	8:56	9:08
7:39	7:42	7:52	7:54	8:09	—	—	—	8:21	8:38	8:49	8:59	9:10	9:23	9:25	9:36
7:54	7:57	8:07	8:09	8:24	8:36	8:44	8:53	8:51	9:08	9:19	9:29	9:40	9:53	9:55	10:06
8:09	8:12	8:22	8:24	8:39	—	—	—	9:24	9:40	9:49	9:58	10:09	10:22	10:24	10:35
8:24	8:27	8:37	8:39	8:54	9:06	9:14	9:23	9:54	10:10	10:19	10:28	10:39	10:52	10:54	11:05
8:39	8:42	8:52	8:54	9:09	—	—	—	10:24	10:40	10:49	10:58	11:09	11:22	11:24	11:35
8:54	8:57	9:07	9:09	9:24	9:35	9:43	9:52	10:54	11:10	11:19	11:28	11:39	11:52	11:54	12:05p
9:23	9:26	9:36	9:38	9:53	10:04	10:12	10:21	11:22	11:39	11:48	11:57	12:08p	12:22p	12:24p	12:35
9:53	9:56	10:06	10:08	10:23	10:34	10:42	10:51	11:52	12:09p	12:18p	12:27p	12:38	12:52	12:54	1:05
10:23	10:26	10:36	10:38	10:53	11:04	11:12	11:21	12:22p	12:39	12:48	12:57	1:08	1:22	1:24	1:35
10:53	10:56	11:06	11:08	11:23	11:34	11:42	11:51	12:52	1:09	1:18	1:27	1:38	1:52	1:54	2:05
11:23	11:26	11:36	11:38	11:53	12:04p	12:12p	12:21p	1:21	1:38	1:47	1:57	2:08	2:23	2:25	2:37
11:53	11:56	12:07p	12:09p	12:24p	12:35	12:44	12:53	—	—	—	—	2:22	2:38	2:40	2:52
12:23p	12:26p	12:37	12:39	12:54	1:05	1:14	1:23	1:50	2:07	2:16	2:26	2:37	2:53	2:55	3:07
12:53	12:56	1:07	1:09	1:24	1:35	1:44	1:53	—	—	—	—	2:51	3:07	3:09	3:21
1:23	1:26	1:37	1:39	1:55	2:06	2:15	2:25	2:17	2:35	2:45	2:55	3:06	3:22	3:24	3:36
1:53	1:56	2:08	2:10	2:26	2:37	2:46	2:56	—	—	—	—	3:21	3:37	3:39	3:51
2:23	2:26	2:38	2:40	2:56	3:08	3:18	3:29	2:46	3:04	3:14	3:24	3:36	3:52	3:54	4:06
2:53	2:56	3:08	3:10	3:26	3:38	3:48	3:59	—	—	—	—	3:51	4:07	4:09	4:22
3:08	3:11	3:23	3:25	3:41	—	—	—	3:15	3:33	3:43	3:53	4:06	4:22	4:24	4:37
3:23	3:26	3:38	3:40	3:56	4:09	4:19	4:30	—	—	—	—	4:21	4:37	4:39	4:52
3:38	3:41	3:53	3:55	4:11	—	—	—	3:44	4:03	4:13	4:23	4:36	4:52	4:54	5:07
3:53	3:56	4:08	4:10	4:26	4:39	4:49	5:00	—	—	—	—	4:51	5:07	5:09	5:22
4:08	4:11	4:23	4:25	4:41	—	—	—	4:12	4:31	4:41	4:51	5:04	5:20	5:22	5:35
4:23	4:26	4:38	4:40	4:56	5:09	5:19	5:30	—	—	—	—	5:19	5:35	5:37	5:50
4:38	4:41	4:53	4:55	5:11	—	—	—	4:42	5:01	5:11	5:21	5:34	5:50	5:52	6:05
4:53	4:56	5:08	5:10	5:26	5:39	5:49	6:00	—	—	—	—	5:49	6:05	6:07	6:20
5:08	5:11	5:23	5:25	5:41	—	—	—	5:12	5:31	5:41	5:51	6:04	6:20	6:22	6:35
5:23	5:26	5:38	5:40	5:56	6:09	6:19	6:29	5:46	6:05	6:15	6:24	6:35	6:50	6:52	7:04
5:54	5:57	6:08	6:10	6:25	6:37	6:46	6:55	6:19	6:37	6:46	6:55	7:06	7:20	7:22	7:33
6:24	6:27	6:38	6:40	6:55	7:07	7:16	7:25	6:51	7:08	7:17	7:26	7:37	7:50	7:52	8:03
6:54	6:57	7:07	7:09	7:23	7:35	7:44	7:53	7:22	7:39	7:48	7:57	8:07	8:20	8:22	8:33
7:24	7:27	7:37	7:39	7:52	8:03	8:11	8:19	8:12	8:27	8:35	8:43	8:53	9:05	9:07	9:18
7:54	7:57	8:07	8:09	8:22	8:33	8:41	8:49	9:14	9:27	9:35	9:43	9:53	10:05	10:07	10:17
8:54	8:57	9:07	9:09	9:22	—	—	—								

Route 20 – Saturday / <i>sábado</i>															
Downtown ➡ Kearny Mesa ➡ Rancho Bernardo								Rancho Bernardo ➡ Kearny Mesa ➡ Downtown							
ⓓ 10th Av. & Broadway DEPART	ⓔ City College Transit Center (11th & C)	ⓕ Fashion Valley Transit Center ARRIVE DEPART	ⓖ Kearny Mesa Transit Center	ⓓ Miramar College Transit Station	ⓙ Rancho Peñasquitos Bl. & Paseo Montril	Ⓚ Carmel Mtn. Rd. & Peñasquitos Dr.	Ⓛ Rancho Bernardo Transit Station ARRIVE	Ⓛ Rancho Bernardo Transit Station DEPART	Ⓚ Carmel Mtn. Rd. & Peñasquitos Dr.	ⓙ Rancho Peñasquitos Bl. & Paseo Montril	ⓓ Miramar College Transit Station	ⓖ Kearny Mesa Transit Center	ⓕ Fashion Valley Transit Center ARRIVE DEPART	ⓓ 10th Av. & Broadway ARRIVE	
—	5:41a	5:51a	5:53a	6:06a	6:17a	6:24a	6:32a	6:46a	—	—	6:12a	6:23a	6:35a	6:37a	6:47a
—	6:11	6:21	6:23	6:36	6:47	—	—	6:13a	6:26a	6:34a	6:42	6:53	7:05	7:07	7:17
—	6:41	6:51	6:53	7:07	7:18	7:26	7:34	7:48	—	—	7:12	7:23	7:35	7:37	7:47
7:09a	7:12	7:22	7:24	7:38	7:49	—	—	7:11	7:25	7:34	7:42	7:53	8:05	8:07	8:17
7:39	7:42	7:52	7:54	8:08	8:19	8:27	8:35	8:49	—	—	8:12	8:23	8:35	8:37	8:48
8:09	8:12	8:22	8:24	8:38	8:49	—	—	8:08	8:23	8:33	8:42	8:53	9:05	9:07	9:18
8:39	8:42	8:52	8:54	9:08	9:19	9:27	9:36	9:51	—	—	9:12	9:23	9:35	9:37	9:48
9:09	9:12	9:22	9:24	9:38	9:49	—	—	9:08	9:23	9:33	9:42	9:53	10:05	10:07	10:18
9:39	9:42	9:52	9:54	10:08	10:19	10:27	10:36	10:51	—	—	10:12	10:23	10:35	10:37	10:48
10:08	10:11	10:22	10:24	10:38	10:49	—	—	10:07	10:23	10:33	10:42	10:53	11:05	11:07	11:18
10:38	10:41	10:52	10:54	11:08	11:19	11:28	11:37	11:53	—	—	11:11	11:22	11:35	11:37	11:49
11:08	11:11	11:22	11:24	11:38	11:49	—	—	11:05	11:22	11:32	11:41	11:52	12:05p	12:07p	12:19p
11:38	11:41	11:52	11:54	12:08p	12:19p	12:28p	12:37p	12:53p	—	—	12:11p	12:22p	12:35	12:37	12:49
12:07p	12:10p	12:21p	12:23p	12:38	12:49	—	—	12:05p	12:22p	12:32p	12:41	12:52	1:05	1:07	1:19
12:37	12:40	12:51	12:53	1:08	1:19	1:28	1:37	1:54	—	—	1:11	1:22	1:35	1:37	1:49
1:07	1:10	1:21	1:23	1:38	1:49	—	—	1:05	1:22	1:32	1:41	1:52	2:05	2:07	2:19
1:37	1:40	1:51	1:53	2:08	2:19	2:28	2:37	2:54	—	—	2:11	2:22	2:35	2:37	2:49
2:08	2:11	2:22	2:24	2:39	2:50	—	—	2:06	2:23	2:33	2:42	2:53	3:06	3:08	3:20
2:38	2:41	2:52	2:54	3:09	3:20	3:29	3:38	3:55	—	—	3:12	3:23	3:36	3:38	3:50
3:08	3:11	3:22	3:24	3:39	3:50	—	—	3:06	3:23	3:33	3:42	3:53	4:06	4:08	4:20
3:38	3:41	3:52	3:54	4:09	4:20	4:29	4:38	4:55	—	—	4:12	4:23	4:36	4:38	4:50
4:08	4:11	4:22	4:24	4:39	4:50	—	—	4:07	4:24	4:34	4:43	4:54	5:07	5:09	5:21
4:38	4:41	4:52	4:54	5:09	5:20	5:29	5:38	5:55	—	—	5:13	5:24	5:37	5:39	5:51
5:08	5:11	5:22	5:24	5:39	5:50	—	—	5:07	5:24	5:34	5:43	5:54	6:07	6:09	6:21
5:39	5:42	5:53	5:55	6:09	6:20	6:29	6:38	6:54	—	—	6:11	6:22	6:35	6:37	6:48
6:09	6:12	6:23	6:25	6:39	6:50	—	—	6:07	6:23	6:32	6:41	6:52	7:05	7:07	7:18
6:39	6:42	6:53	6:55	7:09	7:20	7:29	7:38	7:54	—	—	7:11	7:22	7:35	7:37	7:48
7:39	7:42	7:52	7:54	8:07	8:18	8:26	8:34	8:49	7:07	7:23	7:32	7:41	7:52	8:05	8:18
								8:13	8:27	8:35	8:43	8:53	9:05	9:07	9:17

Route 20 – Sunday / domingo																
Downtown ➡ Kearny Mesa ➡ Rancho Bernardo									Rancho Bernardo ➡ Kearny Mesa ➡ Downtown							
ⓓ 10th Av. & Broadway DEPART	ⓔ City College Transit Center (11th & C)	ⓕ Fashion Valley Transit Center		ⓖ Kearny Mesa Transit Center	ⓓ Miramar College Transit Station	ⓙ Rancho Peñasquitos Bl. & Paseo Montrail	Ⓚ Carmel Mtn. Rd. & Peñasquitos Dr.	Ⓛ Rancho Bernardo Transit Station	Ⓛ Rancho Bernardo Transit Station DEPART	Ⓚ Carmel Mtn. Rd. & Peñasquitos Dr.	ⓙ Rancho Peñasquitos Bl. & Paseo Montrail	ⓓ Miramar College Transit Station	ⓖ Kearny Mesa Transit Center	ⓕ Fashion Valley Transit Center		ⓓ 10th Av. & Broadway ARRIVE
		ARRIVE	DEPART					ARRIVE						ARRIVE	DEPART	
—	5:41a	5:51a	5:53a	6:06a	6:17a	6:24a	6:32a	6:46a	6:13a	6:26a	6:34a	6:42a	6:53a	7:05a	7:07a	7:17a
—	6:41	6:51	6:53	7:07	7:18	7:26	7:34	7:48	7:11	7:25	7:34	7:42	7:53	8:05	8:07	8:17
7:39a	7:42	7:52	7:54	8:08	8:19	8:27	8:35	8:49	8:08	8:23	8:33	8:42	8:53	9:05	9:07	9:18
8:39	8:42	8:52	8:54	9:08	9:19	9:27	9:36	9:51	9:08	9:23	9:33	9:42	9:53	10:05	10:07	10:18
9:39	9:42	9:52	9:54	10:08	10:19	10:27	10:36	10:51	10:07	10:23	10:33	10:42	10:53	11:05	11:07	11:18
10:38	10:41	10:52	10:54	11:08	11:19	11:28	11:37	11:53	11:05	11:22	11:32	11:41	11:52	12:05p	12:07p	12:19p
11:38	11:41	11:52	11:54	12:08p	12:19p	12:28p	12:37p	12:53p	12:05p	12:22p	12:32p	12:41p	12:52p	1:05	1:07	1:19
12:37p	12:40p	12:51p	12:53p	1:08	1:19	1:28	1:37	1:54	1:05	1:22	1:32	1:41	1:52	2:05	2:07	2:19
1:37	1:40	1:51	1:53	2:08	2:19	2:28	2:37	2:54	2:06	2:23	2:33	2:42	2:53	3:06	3:08	3:20
2:38	2:41	2:52	2:54	3:09	3:20	3:29	3:38	3:55	3:06	3:23	3:33	3:42	3:53	4:06	4:08	4:20
3:38	3:41	3:52	3:54	4:09	4:20	4:29	4:38	4:55	4:07	4:24	4:34	4:43	4:54	5:07	5:09	5:21
4:38	4:41	4:52	4:54	5:09	5:20	5:29	5:38	5:55	5:07	5:24	5:34	5:43	5:54	6:07	6:09	6:21
5:39	5:42	5:53	5:55	6:09	6:20	6:29	6:38	6:54	6:07	6:23	6:32	6:41	6:52	7:05	7:07	7:18
6:39	6:42	6:53	6:55	7:09	7:20	7:29	7:38	7:54	7:07	7:23	7:32	7:41	7:52	8:05	8:07	8:18
7:39	7:42	7:52	7:54	8:07	8:18	8:26	8:34	8:49								



CASH FARES / Tarifas en efectivo

Exact fare, please / Favor de pagar la cantidad exacta

Day Pass (Regional) / Pase diario (Regional)

Compass Card required (\$2) / Se requiere un Compass Card (\$2)

\$5.00

One-Way Fare / Tarifa de una dirección

\$2.25

Senior (60+)/Disabled/Medicare  
Mayores de 60 años/Discapacitados/Medicare

\$1.10\*

Children 5 & under / Niños de 5 años o menos

FREE / GRATIS

Up to two children ride free per paying adult / Máximo dos niños viajan gratis por cada adulto

MONTHLY PASSES / Pases mensual

Adult / Adulto

\$72.00

Senior (60+)/Disabled/Medicare  
Mayores de 60 años/Discapacitados/Medicare

\$18.00\*

Youths (18 and under)  
Jóvenes (18 años o menos)

\$36.00\*

DAY PASS (REGIONAL) / Pase diario (Regional)

All passes are sold on Compass Card, which can be reloaded and reused for up to five years. Compass Cards are available for \$2 at select outlets. A \$5 Day Pass requires a Compass Card. A paper Day Pass can be purchased on board buses for an additional \$2 fee.

Todos los pases se venden en el Compass Card, el cual puede ser recargado y reutilizado por hasta cinco años. Compass Cards están disponibles por \$2 en selectas sucursales. Un pase de un día por \$5 requiere un Compass Card. Un pase de un día de papel se puede obtener a bordo los autobuses por un costo adicional de \$2.

DIRECTORY / Directorio

Regional Transit Information

Información de transporte público regional

511 or/ó (619) 233-3004

TTY/TDD (teletype for hearing impaired)  
Teletipo para sordos

(619) 234-5005 or/ó (888) 722-4889

InfoExpress (24-hour info via Touch-Tone phone)  
Información las 24 horas (via teléfono de teclas)

(619) 685-4900

Customer Service / Suggestions  
Servicio al cliente / Sugerencias

(619) 557-4555

SafeWatch

(619) 557-4500

Lost & Found  
Objetos extraviados

(619) 557-4555

Transit Store

(619) 234-1060

12th & Imperial Transit Center

M-F 8am-5pm

For MTS online trip planning  
Planificación de viajes por Internet

www.sdmts.com

For more information on riding MTS services, pick up a Rider's Guide on a bus or at the Transit Store, or visit [www.sdmts.com](http://www.sdmts.com). Para obtener más información sobre el uso de los servicios de MTS, recoja un 'Rider's Guide' en un autobús o en la Transit Store, o visita a [www.sdmts.com](http://www.sdmts.com).

Thank you for riding MTS!

¡Gracias por viajar con MTS!

Effective JUNE 10, 2018

31

UTC – Mira Mesa

via Miramar Rd.

921

UTC – Mira Mesa

via Mira Mesa Bl.

DESTINATIONS

- MCAS Miramar - North Gate (31)
- Miramar College
- Miramar College Transit Station
- Mira Mesa High School (921)
- Mira Mesa Mall (921)
- Mira Mesa MarketCenter
- Sorrento Mesa (921)
- Sorrento Valley (921)
- VA Medical Center (921)
- Westfield UTC

MTS

Metropolitan Transit System

06/18

Alternative formats available upon request. Please call: (619) 557-4555 / Formato alternativo disponible al preguntar. Favor de llamar: (619) 557-4555

The schedules and other information shown in this timetable are subject to change. MTS does not assume responsibility for errors in timetables nor for any inconvenience caused by delayed buses. Los horarios e información que se indican en este itinerario están sujetos a cambios. MTS no asume responsabilidad por errores en los itinerarios, ni por ningún perjuicio que se origine por los autobuses demorados.

Route 31 – Monday through Friday / lunes a viernes							
University City ➡ Miramar ➡ Mira Mesa				Mira Mesa ➡ Miramar ➡ University City			
UTC Transit Center DEPART	Miramar Rd. & Miramar Mall	Black Mountain Rd. & Miramar Rd.	Miramar College Transit Station ARRIVE	Miramar College Transit Station DEPART	Miramar Rd. & Black Mountain Rd.	Miramar Rd. & Miramar Mall	UTC Transit Center ARRIVE
5:55a	6:01a	6:11a	6:18a	5:39a	5:46a	5:59a	6:07a
6:28	6:35	6:46	6:53	6:09	6:16	6:29	6:37
6:58	7:05	7:16	7:23	6:39	6:47	7:00	7:09
7:27	7:35	7:47	7:55	7:07	7:16	7:29	7:39
7:57	8:05	8:17	8:25	7:38	7:47	8:00	8:10
8:28	8:36	8:47	8:55	8:08	8:17	8:30	8:40
8:38	8:47	8:58	9:06	8:38	8:47	9:00	9:10
9:08	9:15	9:26	9:34	9:09	9:17	9:29	9:38
9:38	9:45	9:56	10:04	9:39	9:47	10:00	10:10
10:08	10:15	10:26	10:34	10:09	10:17	10:29	10:38
10:38	10:45	10:56	11:04	10:39	10:47	11:00	11:10
11:08	11:15	11:26	11:34	11:09	11:17	11:29	11:38
11:38	11:45	11:56	12:04	11:39	11:47	12:00	12:10
12:08	12:15	12:26	12:34	12:09	12:17	12:29	12:38
12:38	12:45	12:56	1:04	12:39	12:47	1:00	1:10
1:08	1:15	1:26	1:34	1:09	1:17	1:29	1:38
1:38	1:45	1:56	2:04	1:39	1:47	1:59	2:08
2:08	2:15	2:26	2:34	2:09	2:17	2:29	2:38
2:38	2:45	2:56	3:04	2:39	2:47	2:59	3:08
3:08	3:15	3:26	3:34	3:09	3:17	3:29	3:38
3:38	3:45	3:56	4:04	3:39	3:47	3:59	4:08
4:08	4:15	4:26	4:34	4:09	4:17	4:29	4:38
4:38	4:45	4:56	5:04	4:39	4:47	4:59	5:08
5:08	5:15	5:26	5:34	5:09	5:17	5:29	5:38
5:38	5:45	5:56	6:04	5:39	5:47	5:59	6:08
6:08	6:15	6:26	6:34	6:09	6:17	6:29	6:38
6:38	6:45	6:56	7:04	6:39	6:47	6:59	7:08
7:08	7:15	7:26	7:34	7:09	7:17	7:29	7:38
7:38	7:45	7:56	8:04	7:39	7:47	7:59	8:08
8:08	8:15	8:26	8:34	8:09	8:17	8:29	8:38
8:38	8:45	8:56	9:04	8:39	8:47	8:59	9:08
9:08	9:15	9:26	9:34	9:09	9:17	9:29	9:38
9:38	9:45	9:56	10:04	9:39	9:47	9:59	10:08
10:08	10:15	10:26	10:34	10:09	10:17	10:29	10:38
10:38	10:45	10:56	11:04	10:39	10:47	10:59	11:08
11:08	11:15	11:26	11:34	11:09	11:17	11:29	11:38
11:38	11:45	11:56	12:04	11:39	11:47	11:59	12:08
12:08	12:15	12:26	12:34	12:09	12:17	12:29	12:38
12:38	12:45	12:56	1:04	12:39	12:47	12:59	1:08
1:08	1:15	1:26	1:34	1:09	1:17	1:29	1:38
1:38	1:45	1:56	2:04	1:39	1:47	1:59	2:08
2:08	2:15	2:26	2:34	2:09	2:17	2:29	2:38
2:38	2:45	2:56	3:04	2:39	2:47	2:59	3:08
3:08	3:15	3:26	3:34	3:09	3:17	3:29	3:38
3:38	3:45	3:56	4:04	3:39	3:47	3:59	4:08
4:08	4:15	4:26	4:34	4:09	4:17	4:29	4:38
4:38	4:45	4:56	5:04	4:39	4:47	4:59	5:08
5:08	5:15	5:26	5:34	5:09	5:17	5:29	5:38
5:38	5:45	5:56	6:04	5:39	5:47	5:59	6:08
6:08	6:15	6:26	6:34	6:09	6:17	6:29	6:38
6:38	6:45	6:56	7:04	6:39	6:47	6:59	7:08
7:08	7:15	7:26	7:34	7:09	7:17	7:29	7:38
7:38	7:45	7:56	8:04	7:39	7:47	7:59	8:08
8:08	8:15	8:26	8:34	8:09	8:17	8:29	8:38
8:38	8:45	8:56	9:04	8:39	8:47	8:59	9:08
9:08	9:15	9:26	9:34	9:09	9:17	9:29	9:38
9:38	9:45	9:56	10:04	9:39	9:47	9:59	10:08
10:08	10:15	10:26	10:34	10:09	10:17	10:29	10:38
10:38	10:45	10:56	11:04	10:39	10:47	10:59	11:08
11:08	11:15	11:26	11:34	11:09	11:17	11:29	11:38
11:38	11:45	11:56	12:04	11:39	11:47	11:59	12:08
12:08	12:15	12:26	12:34	12:09	12:17	12:29	12:38
12:38	12:45	12:56	1:04	12:39	12:47	12:59	1:08
1:08	1:15	1:26	1:34	1:09	1:17	1:29	1:38
1:38	1:45	1:56	2:04	1:39	1:47	1:59	2:08
2:08	2:15	2:26	2:34	2:09	2:17	2:29	2:38
2:38	2:45	2:56	3:04	2:39	2:47	2:59	3:08
3:08	3:15	3:26	3:34	3:09	3:17	3:29	3:38
3:38	3:45	3:56	4:04	3:39	3:47	3:59	4:08
4:08	4:15	4:26	4:34	4:09	4:17	4:29	4:38
4:38	4:45	4:56	5:04	4:39	4:47	4:59	5:08
5:08	5:15	5:26	5:34	5:09	5:17	5:29	5:38
5:38	5:45	5:56	6:04	5:39	5:47	5:59	6:08
6:08	6:15	6:26	6:34	6:09	6:17	6:29	6:38
6:38	6:45	6:56	7:04	6:39	6:47	6:59	7:08
7:08	7:15	7:26	7:34	7:09	7:17	7:29	7:38
7:38	7:45	7:56	8:04	7:39	7:47	7:59	8:08
8:08	8:15	8:26	8:34	8:09	8:17	8:29	8:38
8:38	8:45	8:56	9:04	8:39	8:47	8:59	9:08
9:08	9:15	9:26	9:34	9:09	9:17	9:29	9:38
9:38	9:45	9:56	10:04	9:39	9:47	9:59	10:08
10:08	10:15	10:26	10:34	10:09	10:17	10:29	10:38
10:38	10:45	10:56	11:04	10:39	10:47	10:59	11:08
11:08	11:15	11:26	11:34	11:09	11:17	11:29	11:38
11:38	11:45	11:56	12:04	11:39	11:47	11:59	12:08
12:08	12:15	12:26	12:34	12:09	12:17	12:29	12:38
12:38	12:45	12:56	1:04	12:39	12:47	12:59	1:08
1:08	1:15	1:26	1:34	1:09	1:17	1:29	1:38
1:38	1:45	1:56	2:04	1:39	1:47	1:59	2:08
2:08	2:15	2:26	2:34	2:09	2:17	2:29	2:38
2:38	2:45	2:56	3:04	2:39	2:47	2:59	3:08
3:08	3:15	3:26	3:34	3:09	3:17	3:29	3:38
3:38	3:45	3:56	4:04	3:39	3:47	3:59	4:08
4:08	4:15	4:26	4:34	4:09	4:17	4:29	4:38
4:38	4:45	4:56	5:04	4:39	4:47	4:59	5:08
5:08	5:15	5:26	5:34	5:09	5:17	5:29	5:38
5:38	5:45	5:56	6:04	5:39	5:47	5:59	6:08
6:08	6:15	6:26	6:34	6:09	6:17	6:29	6:38
6:38	6:45	6:56	7:04	6:39	6:47	6:59	7:08
7:08	7:15	7:26	7:34	7:09	7:17	7:29	7:38
7:38	7:45	7:56	8:04	7:39	7:47	7:59	8:08
8:08	8:15	8:26	8:34	8:09	8:17	8:29	8:38
8:38	8:45	8:56	9:04	8:39	8:47	8:59	9:08
9:08	9:15	9:26	9:34	9:09	9:17	9:29	9:38
9:38	9:45	9:56	10:04	9:39	9:47	9:59	10:08
10:08	10:15	10:26	10:34	10:09	10:17	10:29	10:38
10:38	10:45	10:56	11:04	10:39	10:47	10:59	11:08
11:08	11:15	11:26	11:34	11:09	11:17	11:29	11:38
11:38	11:45	11:56	12:04	11:39	11:47	11:59	12:08
12:08	12:15	12:26	12:34	12:09	12:17	12:29	12:38
12:38	12:45	12:56	1:04	12:39	12:47	12:59	1:08
1:08	1:15	1:26	1:34	1:09	1:17	1:29	1:38
1:38	1:45	1:56	2:04	1:39	1:47	1:59	2:08
2:08	2:15	2:26	2:34	2:09	2:17	2:29	2:38
2:38	2:45	2:56	3:04	2:39	2:47	2:59	3:08
3:08	3:15	3:26	3:34	3:09	3:17	3:29	3:38
3:38	3:45	3:56	4:04	3:39	3:47	3:59	4:08
4:08	4:15	4:26	4:34	4:09	4:17	4:29	4:38
4:38	4:45	4:56	5:04	4:39	4:47	4:59	5:08
5:08	5:15	5:26	5:34	5:09	5:17	5:29	5:38
5:38	5:45	5:56	6:04	5:39	5:47	5:59	6:08
6:08	6:15	6:26	6:34	6:09	6:17	6:29	6:38
6:38	6:45	6:56	7:04	6:39	6:47	6:59	7:08
7:08	7:15	7:26	7:34	7:09	7:17	7:29	7:38
7:38	7:45	7:56	8:04	7:39	7:47	7:59	8:08
8:08	8:15	8:26	8:34	8:09	8:17	8:29	8:38
8:38	8:45	8:56	9:04	8:39	8:47	8:59	9:08
9:08	9:15	9:26	9:34	9:09	9:17	9:29	9:38
9:38	9:45	9:56	10:04	9:39	9:47	9:59	10:08
10:08	10:15	10:26	10:34	10:09	10:17	10:29	10:38
10:38	10:45	10:56	11:04	10:39	10:47	10:59	11:08
11:08	11:15	11:26	11:34	11:09	11:17	11:29	11:38
11:38	11:45	11:56	12:04	11:39	11:47	11:59	12:08
12:08	12:15						

Route 921 – Monday through Friday / <i>lunes a viernes</i>									
University City ➡ Sorrento Valley ➡ Mira Mesa					Mira Mesa ➡ Sorrento Valley ➡ University City				
Ⓒ UTC Transit Center	Ⓕ Mira Mesa Bl. & Pacific Heights Bl.	Ⓖ Mira Mesa Bl. & Camino Santa Fe	Ⓗ Mira Mesa Bl. & Camino Ruiz	Ⓘ Miramar College Transit Station	Ⓘ Miramar College Transit Station	Ⓗ Mira Mesa Bl. & Camino Ruiz	Ⓖ Mira Mesa Bl. & Camino Santa Fe	Ⓕ Pacific Heights Bl. & Mira Mesa Bl.	Ⓒ UTC Transit Center
DEPART				ARRIVE	DEPART				ARRIVE
6:17a	6:33a	6:38a	6:44a	6:53a	5:29a	5:38a	5:44a	5:49a	6:06a
6:41	6:57	7:02	7:08	7:17	6:05	6:14	6:20	6:25	6:43
7:11	7:27	7:32	7:38	7:47	6:34	6:43	6:49	6:54	7:11
7:35	7:53	7:59	8:06	8:15	7:04	7:14	7:21	7:26	7:45
8:05	8:23	8:29	8:36	8:45	7:34	7:44	7:51	7:56	8:15
8:35	8:53	8:59	9:06	9:15	8:04	8:14	8:21	8:26	8:45
9:08	9:24	9:29	9:36	9:45	8:34	8:44	8:51	8:56	9:15
9:38	9:54	9:59	10:06	10:15	9:09	9:19	9:26	9:31	9:50
10:08	10:24	10:29	10:36	10:45	9:44	9:53	9:59	10:04	10:22
10:38	10:54	10:59	11:06	11:15	10:14	10:23	10:29	10:34	10:52
11:08	11:24	11:29	11:36	11:45	10:44	10:53	10:59	11:04	11:22
11:38	11:54	11:59	12:06p	12:15p	11:14	11:23	11:29	11:34	11:52
12:08p	12:24p	12:29p	12:36	12:45	11:44	11:53	11:59	12:04p	12:22p
12:38	12:54	12:59	1:06	1:15	12:14p	12:23p	12:29p	12:34	12:52
1:06	1:23	1:28	1:35	1:45	12:44	12:53	12:59	1:04	1:22
1:36	1:53	1:58	2:05	2:15	1:14	1:23	1:29	1:34	1:52
2:11	2:28	2:33	2:40	2:50	1:44	1:53	1:59	2:04	2:22
2:41	2:58	3:03	3:10	3:20	2:14	2:23	2:29	2:34	2:54
3:11	3:28	3:33	3:40	3:50	2:39	2:48	2:54	2:59	3:21
3:39	3:56	4:02	4:09	4:20	3:05	3:14	3:20	3:25	3:47
4:06	4:24	4:30	4:38	4:50	3:35	3:44	3:50	3:55	4:17
4:36	4:54	5:00	5:08	5:20	4:05	4:14	4:20	4:25	4:47
5:06	5:24	5:30	5:38	5:50	4:35	4:44	4:50	4:55	5:17
5:31	5:49	5:55	6:03	6:15	5:05	5:14	5:20	5:25	5:47
6:04	6:21	6:26	6:34	6:45	5:35	5:44	5:50	5:55	6:17
6:36	6:53	6:58	7:05	7:15	6:05	6:14	6:20	6:25	6:44
7:07	7:24	7:29	7:36	7:46	6:35	6:44	6:50	6:55	7:14

Route 921A – Saturday and Sunday / sábado y domingo											
University City ➡ Sorrento Valley ➡ Mira Mesa						Mira Mesa ➡ Sorrento Valley ➡ University City					
(A) Gilman Transit Center (UCSD) DEPART	(B) La Jolla Village Dr. & Genesee Av.	(F) Mira Mesa Bl. & Pacific Heights Bl.	(G) Mira Mesa Bl. & Camino Santa Fe	(H) Camino Ruiz & Mira Mesa Bl.	(I) Miramar College Transit Station ARRIVE	(I) Miramar College Transit Station DEPART	(H) Mira Mesa Bl. & Camino Ruiz	(G) Mira Mesa Bl. & Camino Santa Fe	(F) Mira Mesa Bl. & Pacific Heights Bl.	(B) La Jolla Village Dr. & Genesee Av.	(A) Gilman Transit Center (UCSD) ARRIVE
A 7:08a	7:17a	7:25a	7:28a	7:33a	7:45a	A 7:10a	7:22a	7:27a	7:30a	7:38a	7:47a
A 8:08	8:17	8:25	8:28	8:33	8:45	A 8:10	8:22	8:27	8:30	8:38	8:47
A 9:04	9:14	9:23	9:26	9:32	9:45	A 9:10	9:24	9:29	9:32	9:41	9:51
A 10:04	10:14	10:23	10:26	10:32	10:45	A 10:10	10:24	10:29	10:32	10:41	10:51
A 11:04	11:14	11:23	11:26	11:32	11:45	A 11:10	11:24	11:29	11:32	11:41	11:51
A 12:04p	12:14p	12:23p	12:26p	12:32p	12:45p	A 12:10p	12:24p	12:29p	12:32p	12:41p	12:51p
A 1:04	1:14	1:23	1:26	1:32	1:45	A 1:10	1:24	1:29	1:32	1:41	1:51
A 2:05	2:15	2:24	2:27	2:33	2:46	A 2:10	2:24	2:29	2:32	2:41	2:51
A 3:05	3:15	3:24	3:27	3:33	3:46	A 3:10	3:24	3:29	3:32	3:41	3:51
A 4:05	4:15	4:24	4:27	4:33	4:46	A 4:10	4:24	4:29	4:32	4:41	4:51
A 5:05	5:15	5:24	5:27	5:33	5:46	A 5:10	5:24	5:29	5:32	5:41	5:51
A 6:05	6:15	6:24	6:27	6:33	6:46	A 6:10	6:24	6:29	6:32	6:41	6:51
A 7:09	7:18	7:26	7:29	7:34	7:46						

A = Saturday/Sunday trips have an alternate routing in Mira Mesa & Sorrento Valley. See map. / *Viajes de sábado/domingo tienen ruta alternativa en Mira Mesa y Sorrento Valley. Vea el mapa.*

A Saturday or Sunday schedule will be operated on the following holidays and observed holidays  
*Se operará con horario de sábado o domingo durante los siguientes días festivos y feriados observados*

>>> New Year’s Day, Presidents’ Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, Christmas

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SAN DIEGO MOVES

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Compass Card



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CASH FARES / Tarifas en efectivo

Exact fare, please / Favor de pagar la cantidad exacta	
Day Pass (Regional) / Pase diario (Regional) <small>Compass Card required (\$2) / Se requiere un Compass Card (\$2)</small>	\$5.00
One-Way Fare / Tarifa de una dirección	\$2.50
Senior (60+)/Disabled/Medicare <i>Mayores de 60 años/Discapacitados/Medicare</i>	\$1.25*
Children 5 & under / Niños de 5 años o menos <small>Up to two children ride free per paying adult / Máximo dos niños viajan gratis por cada adulto</small>	FREE / GRATIS
MONTHLY PASSES / Pases mensual	
Adult / Adulto	\$72.00
Senior (60+)/Disabled/Medicare <i>Mayores de 60 años/Discapacitados/Medicare</i>	\$18.00*
Youths (18 and under) <i>Jóvenes (18 años o menos)</i>	\$36.00*

\*I.D. required for discount fare or pass.  
\*Se requiere identificación para tarifas o pases de descuento.

DAY PASS (REGIONAL) / Pase diario (Regional)

All passes are sold on Compass Card, which can be reloaded and reused for up to five years. Compass Cards are available for \$2 at select outlets. A \$5 Day Pass requires a Compass Card. A paper Day Pass can be purchased on board buses for an additional \$2 fee.

Todos los pases se venden en el Compass Card, el cual puede ser recargado y reutilizado por hasta cinco años. Compass Cards están disponibles por \$2 en selectas sucursales. Un pase de un día por \$5 requiere un Compass Card. Un pase de un día de papel se puede obtener a bordo los autobuses por un costo adicional de \$2.

DIRECTORY / Directorio

Regional Transit Information <i>Información de transporte público regional</i>	511 <small>or/ó</small> (619) 233-3004
TTY/TDD (teletype for hearing impaired) <i>Teletipo para sordos</i>	(619) 234-5005 <small>or/ó</small> (888) 722-4889
InfoExpress (24-hour info via Touch-Tone phone) <i>Información las 24 horas (vía teléfono de teclas)</i>	(619) 685-4900
Customer Service / Suggestions <i>Servicio al cliente / Sugerencias</i>	(619) 557-4555
SafeWatch	(619) 557-4500
Lost & Found <i>Objetos extraviados</i>	(619) 557-4555

Transit Store	(619) 234-1060 <small>12th &amp; Imperial Transit Center M–F 8am–5pm</small>
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For MTS online trip planning <i>Planificación de viajes por Internet</i>	sdmts.com
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For more information on riding MTS services, pick up a Rider's Guide on a bus or at the Transit Store, or visit [sdmts.com](http://sdmts.com).  
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Thank you for riding MTS! ¡Gracias por viajar con MTS!

Effective JANUARY 28, 2018

Rapid

235

Escondido – Downtown San Diego  
via I-15

DESTINATIONS

- Boulevard Transit Plaza
- City Heights Transit Plaza
- Del Lago Transit Station
- Kearny Mesa Transit Center
- Miramar College Transit Station
- Rancho Bernardo Transit Station
- Sabre Springs/Peñasquitos Transit Station

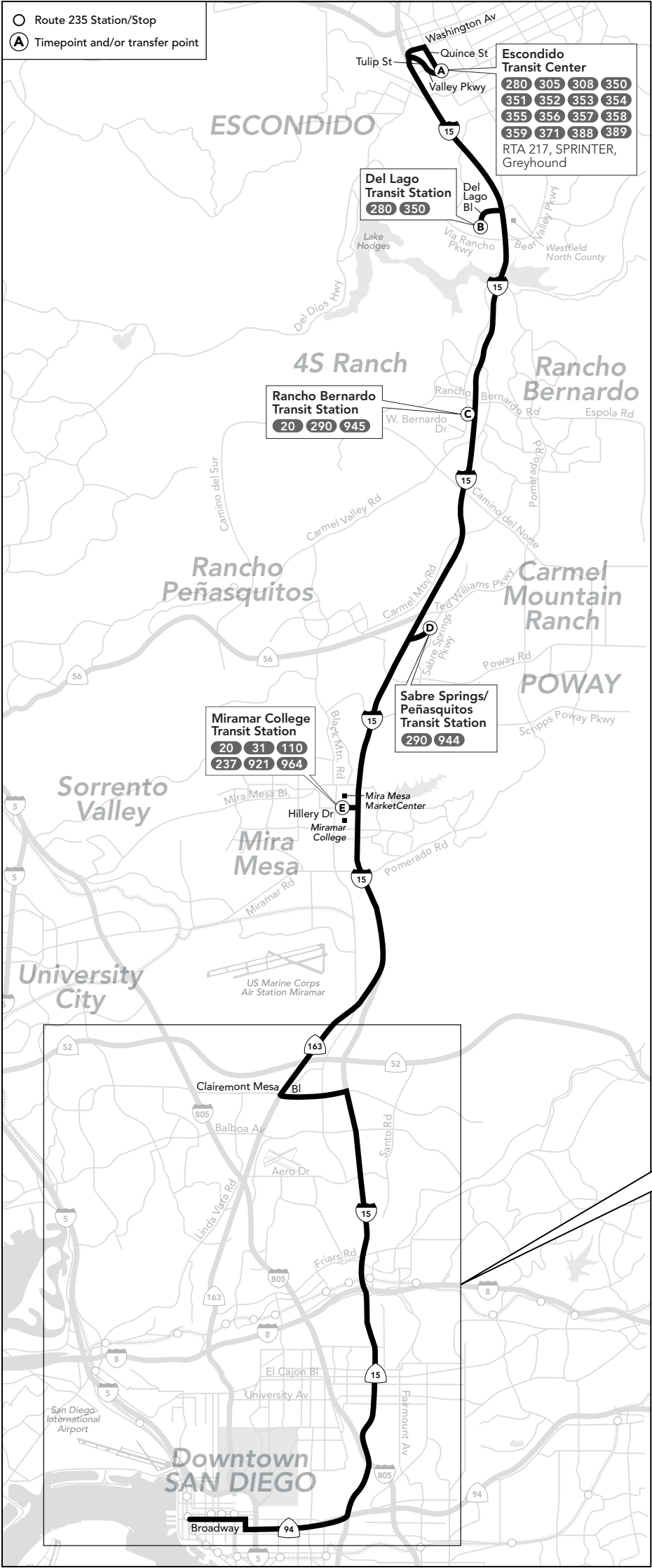


City College  
America Plaza  
Santa Fe Depot



01/18

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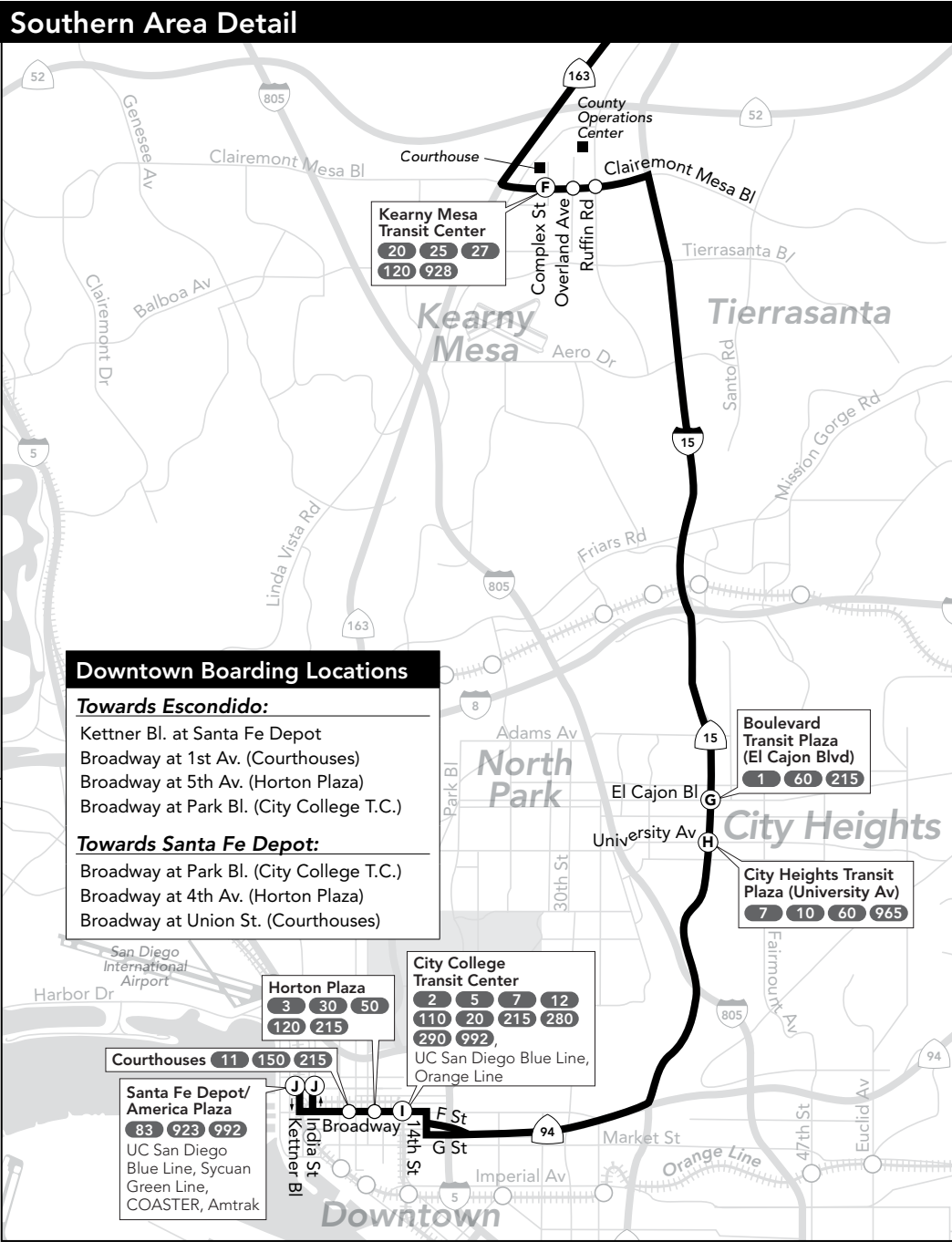
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- Buy for your entire group on one phone.
- Your phone is your ticket.

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The schedules and other information shown in this timetable are subject to change. MTS does not assume responsibility for errors in timetables nor for any inconvenience caused by delayed buses.  
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**CASH FARES / Tarifas en efectivo**

Exact fare, please / Favor de pagar la cantidad exacta

<b>Day Pass (Regional) / Pase diario (Regional)</b> <small>Compass Card required (\$2) / Se requiere un Compass Card (\$2)</small>	<b>\$5.00</b>
<b>One-Way Fare / Tarifa de una dirección</b>	<b>\$2.50</b>
<b>Senior (60+)/Disabled/Medicare</b> <b>Mayores de 60 años/Discapacitados/Medicare</b>	<b>\$1.25*</b>

**Children 5 & under / Niños de 5 años o menos** **FREE / GRATIS**  
Up to two children ride free per paying adult / Máximo dos niños viajan gratis por cada adulto

**MONTHLY PASSES / Pases mensual**

<b>Adult / Adulto</b>	<b>\$72.00</b>
<b>Senior (60+)/Disabled/Medicare</b> <b>Mayores de 60 años/Discapacitados/Medicare</b>	<b>\$18.00*</b>
<b>Youths (18 and under)</b> <b>Jóvenes (18 años o menos)</b>	<b>\$36.00*</b>

\*I.D. required for discount fare or pass.

\*Se requiere identificación para tarifas o pases de descuento.

**DAY PASS (REGIONAL) / Pase diario (Regional)**

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**DIRECTORY / Directorio**

<b>Regional Transit Information</b> <i>Información de transporte público regional</i>	<b>511</b> or/ó <b>(619) 233-3004</b>
<b>TTY/TDD (teletype for hearing impaired)</b> <i>Teletipo para sordos</i>	<b>(619) 234-5005</b> or/ó <b>(888) 722-4889</b>
<b>InfoExpress (24-hour info via Touch-Tone phone)</b> <i>Información las 24 horas (via teléfono de teclas)</i>	<b>(619) 685-4900</b>
<b>Customer Service / Suggestions</b> <i>Servicio al cliente / Sugerencias</i>	<b>(619) 557-4555</b>
<b>SafeWatch</b>	<b>(619) 557-4500</b>
<b>Lost &amp; Found</b> <i>Objetos extraviados</i>	<b>(619) 557-4555</b>
<b>Transit Store</b>	<b>(619) 234-1060</b> 12th & Imperial Transit Center M-F 8am-5pm

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*Planificación de viajes por Internet*

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Para obtener más información sobre el uso de los servicios de MTS, recoja un 'Rider's Guide' en un autobús o en la Transit Store, o visita a **www.sdmts.com**.

Thank you for riding MTS! ¡Gracias por viajar con MTS!

**Rapid****237**

**Mira Mesa – UC San Diego**  
via Mira Mesa Bl.

**DESTINATIONS**

- Miramar College Transit Station
- Mira Mesa High School
- Mira Mesa Mall
- Sorrento Mesa
- Westfield UTC



06/18

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Great for One-Ways.

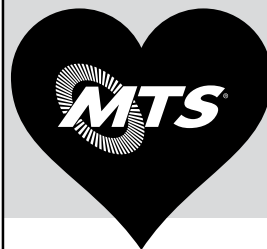
Follow prompts on machine to load value.

Just tap and ride!

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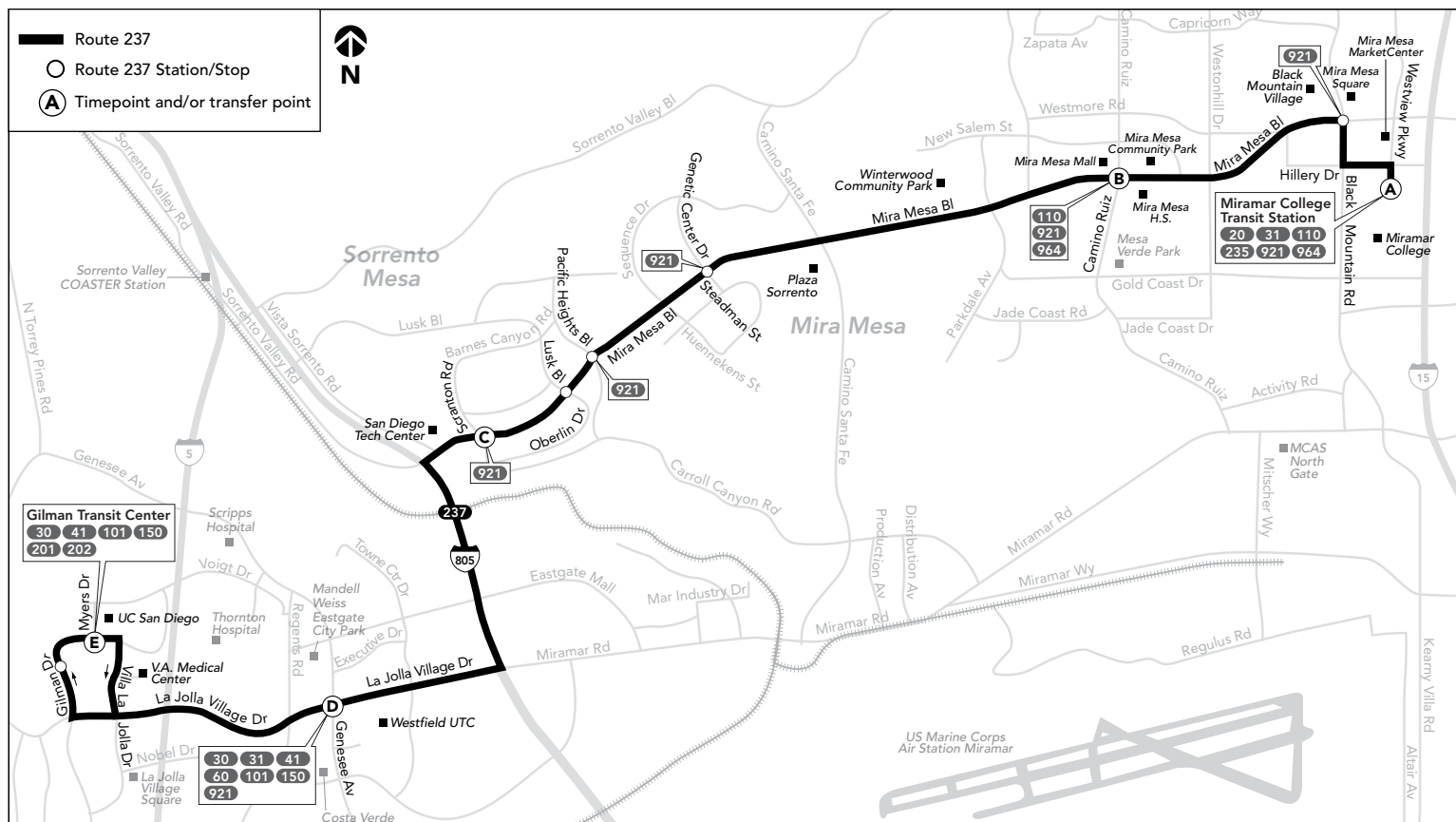
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## Route 237 – Monday through Friday / lunes a viernes

### Mira Mesa ➔ UC San Diego

(A) Miramar College Transit Station DEPART	(B) Mira Mesa Bl. & Camino Ruiz	(C) Mira Mesa Bl. & Scranton Rd.	(D) La Jolla Village Dr. & Genesee Av.	(E) Gilman T. C. (UCSD) ARRIVE
5:52a	5:59a	6:09a	6:17a	6:25a
6:22	6:29	6:39	6:47	6:55
6:36	6:43	6:53	7:01	7:09
6:51	6:59	7:10	7:18	7:27
7:04	7:13	7:25	7:34	7:43
7:20	7:29	7:41	7:50	7:59
7:35	7:44	7:56	8:05	8:14
7:50	7:59	8:12	8:21	8:31
8:05	8:14	8:27	8:36	8:46
8:20	8:29	8:42	8:51	9:01
8:35	8:44	8:57	9:06	9:16
8:50	8:59	9:12	9:21	9:31
9:06	9:15	9:28	9:37	9:47
9:21	9:30	9:43	9:52	10:02
9:51	9:59	10:11	10:19	10:28
2:48p	2:55p	3:06p	3:16p	3:25p
3:18	3:25	3:36	3:46	3:55
3:48	3:56	4:08	4:19	4:28
4:19	4:27	4:39	4:51	5:01
4:34	4:42	4:54	5:06	5:16
4:50	4:58	5:10	5:22	5:32
5:05	5:13	5:25	5:37	5:47
5:20	5:28	5:40	5:52	6:02
5:35	5:43	5:55	6:07	6:17
5:50	5:57	6:09	6:19	6:29
6:21	6:28	6:39	6:48	6:57
6:47	6:54	7:04	7:12	7:21
7:17	7:24	7:34	7:42	7:51

### UC San Diego ➔ Mira Mesa

(E) Gilman T. C. (UCSD) DEPART	(D) La Jolla Village Dr. & Genesee Av.	(C) Mira Mesa Bl. & Scranton Rd.	(B) Mira Mesa Bl. & Camino Ruiz	(A) Miramar College Transit Station ARRIVE
6:01a	6:08a	6:14a	6:24a	6:31a
6:36	6:43	6:49	6:59	7:06
7:05	7:12	7:19	7:31	7:38
7:24	7:31	7:38	7:50	7:57
7:39	7:46	7:53	8:05	8:12
7:54	8:01	8:08	8:20	8:27
8:11	8:18	8:26	8:38	8:46
8:26	8:33	8:41	8:53	9:01
8:41	8:48	8:56	9:08	9:16
9:07	9:14	9:22	9:34	9:42
2:00p	2:09p	2:16p	2:28p	2:37p
2:30	2:39	2:46	2:58	3:07
3:00	3:09	3:16	3:28	3:37
3:28	3:37	3:44	3:56	4:05
3:43	3:52	3:59	4:11	4:20
3:56	4:05	4:12	4:25	4:35
4:14	4:23	4:30	4:43	4:53
4:27	4:36	4:43	4:57	5:08
4:40	4:49	4:56	5:11	5:23
4:53	5:02	5:09	5:25	5:38
5:11	5:20	5:27	5:43	5:56
5:26	5:35	5:42	5:58	6:11
5:44	5:52	5:59	6:14	6:26
5:57	6:05	6:12	6:27	6:39
6:15	6:23	6:30	6:44	6:54
6:32	6:40	6:46	6:59	7:08
6:54	7:02	7:08	7:21	7:30
7:29	7:37	7:43	7:54	8:03
7:59	8:07	8:13	8:24	8:33

Route 237 does not operate on weekends or on the following holidays and observed holidays  
 La ruta 237 no ofrece servicio durante el fin de semana o durante los siguientes  
 días festivos y feriados observados

>>>

New Year's Day, Presidents' Day,  
 Memorial Day, Independence Day,  
 Labor Day, Thanksgiving, Christmas

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# compass card

**S/D/M and Youth Compass Card**

All riders using reduced fares must comply with one of the following options:

**Option 1** (Recommended by MTS)

MTS offers a picture ID on a Compass Card to eliminate the need to carry multiple identifications for proof of eligibility.

**Option 2**

Riders using a standard S/D/M or Youth Compass Card or a one-way ticket must carry supporting identification to prove eligibility.



For additional benefits of **Option 1** and/or list of valid forms of ID for **Option 2** go to: [www.sdmts.com/reduced-fares](http://www.sdmts.com/reduced-fares)

**DIRECTORY / Directorio**

<b>Regional Transit Information</b> <i>Información de transporte público regional</i>	<b>511</b> or/ó <b>(619) 233-3004</b>
<b>TTY/TDD (teletype for hearing impaired)</b> <i>Teletipo para sordos</i>	<b>(619) 234-5005</b> or/ó <b>(888) 722-4889</b>
<b>InfoExpress (24-hour info via Touch-Tone phone)</b> <i>Información las 24 horas (via teléfono de teclas)</i>	<b>(619) 685-4900</b>
<b>Customer Service / Suggestions</b> <i>Servicio al cliente / Sugerencias</i>	<b>(619) 557-4555</b>
<b>SafeWatch</b>	<b>(619) 557-4500</b>
<b>Lost &amp; Found</b> <i>Objetos extraviados</i>	<b>(619) 557-4555</b>
<b>Transit Store</b>	<b>(619) 234-1060</b> 12th & Imperial Transit Center M-F 8am-5pm

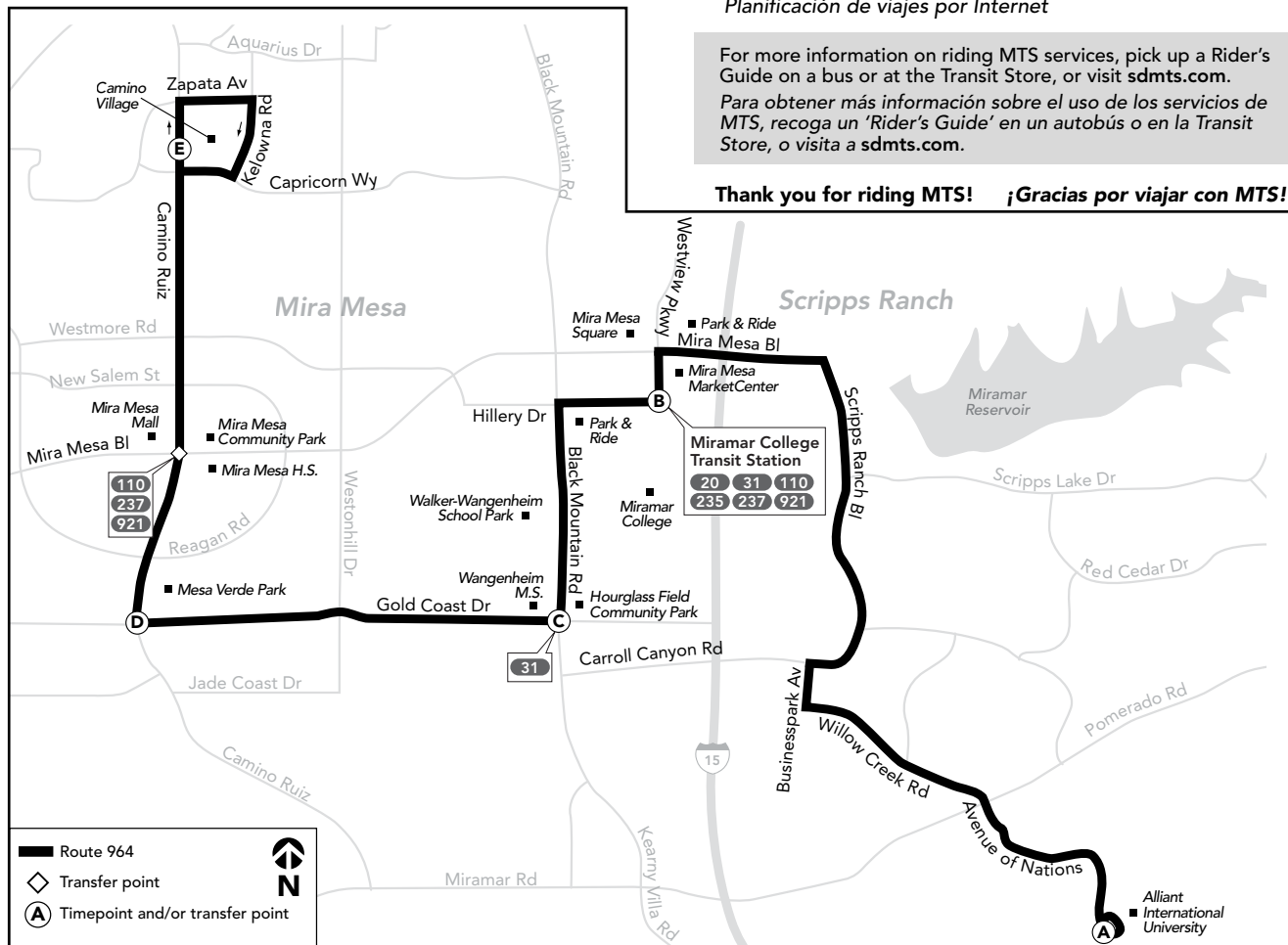
**For MTS online trip planning**  
*Planificación de viajes por Internet*

**sdmts.com**

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**Thank you for riding MTS! ¡Gracias por viajar con MTS!**

**964**

**Camino Ruiz & Capricorn Way – Alliant Int'l Univ.**

via Miramar College Transit Station

**DESTINATIONS**

- Alliant Int'l University
- Camino Village
- Hourglass Field Community Park
- Miramar College
- Mira Mesa High School
- Mira Mesa Mall
- Mira Mesa MarketCenter
- Miramar College Transit Station



01/18

**CASH FARES / Tarifas en efectivo**

**Exact fare, please / Favor de pagar la cantidad exacta**

**Day Pass (Regional) / Pase diario (Regional)** **\$5.00**  
Compass Card required (\$2) / Se requiere un Compass Card (\$2)

**One-Way Fare / Tarifa de una dirección** **\$2.25**

**Senior (60+)/Disabled/Medicare** **\$1.10\***  
*Mayores de 60 años/Discapacitados/Medicare*

**Children 5 & under / Niños de 5 años o menos** **FREE / GRATIS**  
Up to two children ride free per paying adult / Máximo dos niños viajan gratis por cada adulto

**MONTHLY PASSES / Pases mensual**

**Adult / Adulto** **\$72.00**

**Senior (60+)/Disabled/Medicare** **\$18.00\***  
*Mayores de 60 años/Discapacitados/Medicare*

**Youths (18 and under)** **\$36.00\***  
*Jóvenes (18 años o menos)*

\*I.D. required for discount fare or pass.

\*Se requiere identificación para tarifas o pases de descuento.

**DAY PASS (REGIONAL) / Pase diario (Regional)**

All passes are sold on Compass Card, which can be reloaded and reused for up to five years. Compass Cards are available for \$2 at select outlets. A \$5 Day Pass requires a Compass Card. A paper Day Pass can be purchased on board buses for an additional \$2 fee.

Todos los pases se venden en el Compass Card, el cual puede ser recargado y reutilizado por hasta cinco años. Compass Cards están disponibles por \$2 en selectas sucursales. Un pase de un día por \$5 requiere un Compass Card. Un pase de un día de papel se puede obtener a bordo los autobuses por un costo adicional de \$2.

## Route 964 – Monday through Friday / *lunes a viernes*

### Scripps Ranch ➡ Mira Mesa

(A) Alliant International University DEPART	(B) Miramar College Transit Station	(C) Black Mountain Rd. & Gold Coast Dr.	(D) Gold Coast Dr. & Camino Ruiz	(E) Camino Ruiz & Capricorn Way ARRIVE
6:07a	6:20a	6:22a	6:26a	6:34a
6:35	6:48	6:50	6:54	7:02
7:04	7:18	7:21	7:25	7:33
7:34	7:48	7:51	7:55	8:03
8:04	8:18	8:21	8:25	8:33
8:34	8:48	8:51	8:55	9:03
9:04	9:18	9:21	9:25	9:33
9:30	9:44	9:47	9:51	9:59
10:00	10:14	10:17	10:21	10:29
10:30	10:44	10:47	10:51	10:59
11:00	11:14	11:17	11:21	11:29
11:30	11:44	11:47	11:51	11:59
12:00p	12:14p	12:17p	12:21p	12:29p
12:30	12:44	12:47	12:51	12:59
12:59	1:14	1:17	1:22	1:31
1:29	1:44	1:47	1:52	2:01
1:59	2:14	2:17	2:22	2:31
2:29	2:44	2:47	2:52	3:01
3:04	3:19	3:22	3:27	3:36
3:34	3:49	3:52	3:57	4:06
4:04	4:19	4:22	4:27	4:36
4:34	4:49	4:52	4:57	5:06
5:04	5:19	5:22	5:27	5:36
5:34	5:49	5:52	5:57	6:06
5:58	6:13	6:16	6:21	6:30
6:34	6:47	6:50	6:54	7:02
7:04	7:17	7:20	7:24	7:32
7:49	8:02	8:05	8:09	8:17

### Mira Mesa ➡ Scripps Ranch

(E) Camino Ruiz & Capricorn Way DEPART	(D) Gold Coast Dr. & Camino Ruiz	(C) Black Mountain Rd. & Gold Coast Dr.	(B) Miramar College Transit Station	(A) Alliant International University ARRIVE
5:45a	5:53a	5:58a	6:02a	6:14a
6:14	6:22	6:27	6:31	6:43
6:44	6:52	6:57	7:01	7:13
7:12	7:21	7:27	7:31	7:44
7:42	7:51	7:57	8:01	8:14
8:12	8:21	8:27	8:31	8:44
8:43	8:52	8:57	9:01	9:13
9:13	9:22	9:27	9:31	9:43
9:43	9:52	9:57	10:01	10:13
10:13	10:22	10:27	10:31	10:43
10:43	10:52	10:57	11:01	11:13
11:13	11:22	11:27	11:31	11:43
11:43	11:52	11:57	12:01p	12:13p
12:13p	12:22p	12:27p	12:31	12:43
12:43	12:52	12:57	1:01	1:13
1:11	1:21	1:27	1:31	1:44
1:41	1:51	1:57	2:01	2:14
2:10	2:20	2:26	2:30	2:43
2:40	2:50	2:56	3:00	3:13
3:15	3:25	3:31	3:35	3:48
3:45	3:55	4:01	4:05	4:18
4:15	4:25	4:31	4:35	4:48
4:45	4:55	5:01	5:05	5:18
5:15	5:25	5:31	5:35	5:48
5:45	5:55	6:01	6:05	6:18
6:12	6:21	6:26	6:30	6:42
6:42	6:51	6:56	7:00	7:12
7:12	7:21	7:26	7:30	7:42
7:42	7:51	7:56	8:00	8:12

Route 964 does not operate on weekends or on the observation of the following holidays: Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, & Christmas.  
 La Ruta 964 no ofrece servicio durante el fin de semana ó durante los siguientes días festivos: Año Nuevo, Presidents' Day, Memorial Day, Día de la Independencia (E.E.U.U), Labor Day, Día de Acción de Gracias, y Navidad.

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The Sorrento Valley COASTER Connection is a free service for COASTER passengers! This service is provided as a courtesy by the Metropolitan Transit System and the North County Transit District.

*¡El Sorrento Valley COASTER Connection es un servicio gratuito para los pasajeros del COASTER! Este servicio es proveído como cortesía por el Metropolitan Transit System y el North County Transit District.*

### S/D/M and Youth Compass Card

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InfoExpress (24-hour info via Touch-Tone phone) <i>Información las 24 horas (vía teléfono de teclas)</i>	(619) 685-4900
Customer Service / Suggestions <i>Servicio al cliente / Sugerencias</i>	(619) 238-0100
SafeWatch	(619) 557-4500
Lost & Found <i>Objetos extraviados</i>	(877) 841-3278
Transit Store	(619) 234-1060 12th & Imperial Transit Center M-F 9am-5pm

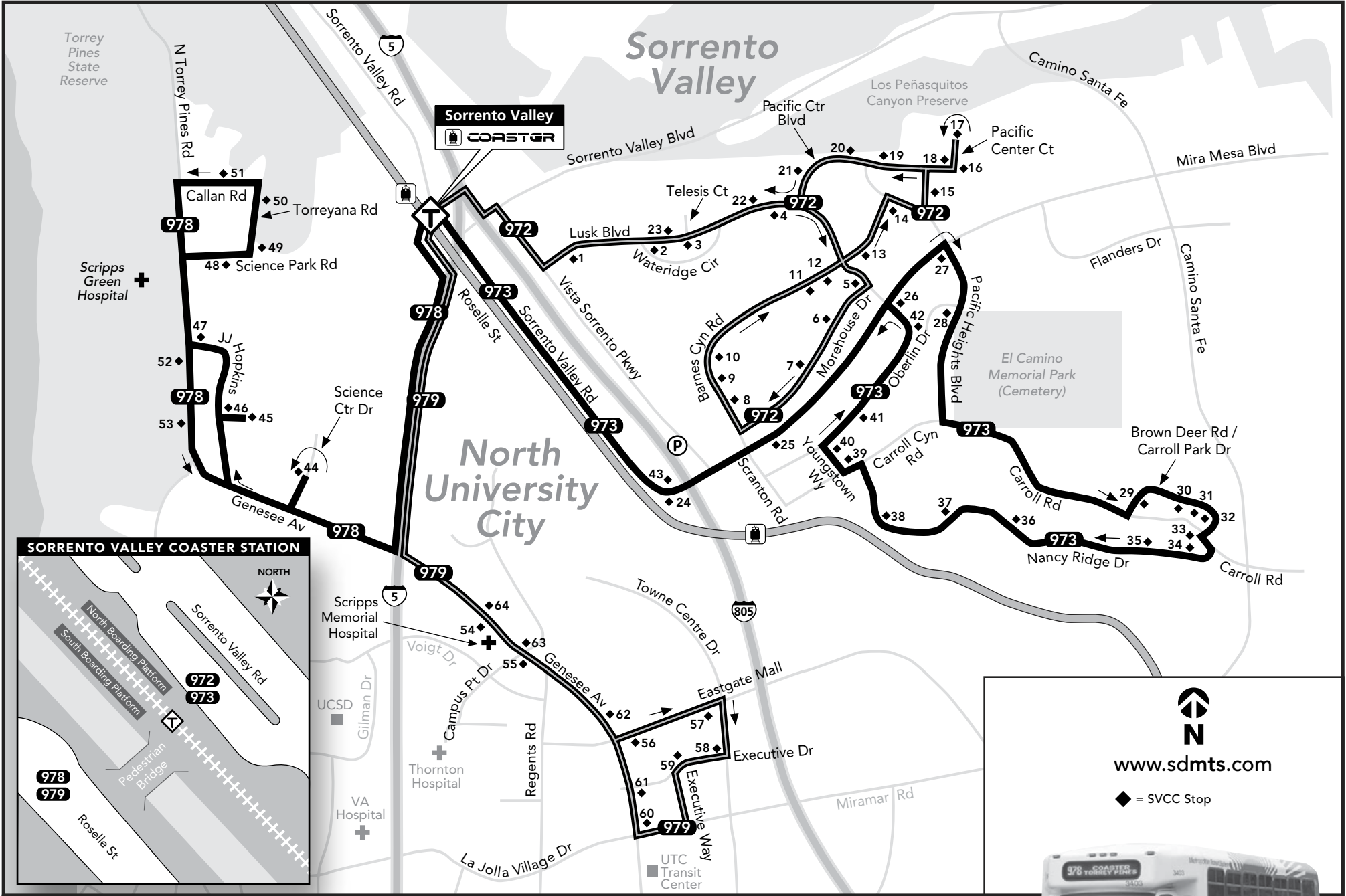
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Thank you for riding MTS! *¡Gracias por viajar con MTS!*

Sorrento Valley  
COASTER Station

- 972 Sorrento Mesa
- 973 Carroll Canyon
- 978 Torrey Pines
- 979 North University City



COASTER

Monday through Friday / lunes a viernes

Oceanside ➔ San Diego

	Morning (AM)				Afternoon/Evening (PM)		
Oceanside	6:00a	6:30a	7:13a	7:42a	3:32p	5:12p	5:41p
Carlsbad Village	6:04	6:35	7:17	7:46	3:36	5:17	5:46
Carlsbad Poinsettia	6:09	6:40	7:23	7:51	3:43	5:22	5:51
Encinitas	6:14	6:46	7:28	7:57	3:49	5:28	5:56
Solana Beach	6:19	6:55	7:37	8:02	3:54	5:35	6:01
Sorrento Valley	6:28	7:08	7:47	8:14	4:03	5:44	6:11
Old Town	6:54	7:31	8:10	8:37	4:28	6:08	6:37
San Diego	7:01	7:38	8:17	8:45	4:35	6:16	6:45

San Diego ➔ Oceanside

	Morning (AM) Ⓢ			Afternoon/Evening (PM)				
San Diego	6:24a	7:41a	8:23a	3:38p	4:23p	4:55p	5:40p	6:26p
Old Town	6:30	7:47	8:30	3:44	4:29	5:01	5:46	6:32
Sorrento Valley	6:52	8:09	8:54	4:06	4:51	5:24	6:08	6:54
Solana Beach	7:02	8:22	9:03	4:17	5:00	5:34	6:20	7:04
Encinitas	7:09	8:29	9:09	4:23	5:08	5:40	6:26	7:10
Carlsbad Poinsettia	7:15	8:35	9:15	4:29	5:14	5:46	6:32	7:16
Carlsbad Village	7:22	8:41	9:23	4:35	5:21	5:52	6:38	7:22
Oceanside	7:27	8:46	9:29	4:41	5:28	5:58	6:45	7:30

COASTER schedule shown is effective June 6, 2016 and is subject to change without notice. This may not reflect the most current schedule. Only trips that connect with the Sorrento Valley COASTER Connection are shown. Additional days and times of service can be found at [www.gonctd.com](http://www.gonctd.com).  
COASTER calendario que se muestra es a partir del 6 de junio de 2016 y está sujeto a cambios sin previo aviso. Esto puede no reflejar el calendario más actual. Sólo los viajes que conectan con el Sorrento Valley COASTER Connection se muestran. Días adicionales y las horas de servicio se pueden encontrar en [www.gonctd.com](http://www.gonctd.com).  
\*Operated by Amtrak / Operado por Amtrak



ROUTE DEVIATIONS / Desviaciones de la Ruta

The SVCC is a demand-response service that will provide a route deviation of up to 3/4 of a mile off an operating SVCC route for requesting passengers traveling to or from the Sorrento Valley COASTER Station. This service is provided anywhere in the SVCC service area during the corresponding hours that the SVCC service operates. Lift-equipped buses are available. To ensure availability, please call (877) 841-3278 at least one hour before your trip to schedule a curb-to-curb trip.

El SVCC es un servicio de demanda-respuesta que proveerá una desviación de ruta de hasta 3/4 de milla de una ruta SVCC operativa a pasajeros que viajen a y de Sorrento Valley COASTER Station. Este servicio es proveído en cualquier parte del la área de servicio del SVCC, durante las horas correspondientes a al servicio que SVCC opera. Autobuses equipados para levantar sillas también están disponibles. Para asegurarse de su disponibilidad, por favor hable al (877) 841-3278 por lo menos una hora antes de su viaje para fijar el horario de su viaje de banqueta-a-banqueta.

COMMUTER TAX BENEFIT PROGRAM FOR EMPLOYERS / Programa de Asistencia de Tránsito del Empleador

Employers can provide their employees a payroll tax deduction for riding transit to work of up to \$125 per month. Employers benefit from this program through reduced payroll taxes and other business deductions. For more information about this and other free commuter services for employers visit [iCommuteSD.com](http://iCommuteSD.com) or call 511 and say "iCommute."

Los empleadores pueden proporcionar a sus empleados una deducción de los impuestos sobre nóminas de hasta \$125 dólares al mes por trasladarse al trabajo usando el transporte interurbano. Los empleadores sacan provecho de este programa mediante menores impuestos sobre nómina y otras deducciones empresariales. Para mayores informes sobre éste y otros servicios gratuitos para pasajeros interurbanos para los empleadores, favor de visitar [iCommuteSD.com](http://iCommuteSD.com) o llamar al 511 y decir "iCommute".

Alternative formats available upon request. Please call: (619) 557-4555 / *Formato alternativo disponible al preguntar. Favor de llamar: (619) 557-4555*

Route 972 – Monday through Friday / *lunes a viernes*

Sorrento Mesa ➡ Sorrento Valley COASTER Station

		Morning (AM)					Afternoon/Evening (PM)				
📍	Sorrento Valley COASTER Station <b>DEPART*</b>	6:30a	7:10a	7:50a	8:16a	8:55a	—	4:05p	4:40p	5:22p	6:10p
1	10525 Vista Sorrento	⋮	⋮	⋮	⋮	⋮	3:30p	⋮	⋮	⋮	⋮
2	EB Lusk Blvd & Wateridge Circle (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
3	EB Lusk Blvd & Telesis Ct. (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
4	Across from 6455 Lusk Blvd.	6:37	7:17	7:57	8:23	9:02	3:31	4:14	4:49	5:31	6:19
5	10225 Lusk Blvd. (electrical boxes)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
6	Across from 5525 Morehouse Drive	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
7	5510 Morehouse Drive	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8	5424 Scranton Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
9	9605 Scranton Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
10	9805 Scranton Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
11	10055 Barnes Canyon Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
12	10225 Barnes Canyon Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
13	EB Barnes Canyon Road & Lusk Blvd. (after intersection)	6:43	7:23	8:03	8:29	9:08	3:37	4:20	4:55	5:37	6:25
14	EB Barnes Canyon Road & Pacific Heights Blvd. (before turn)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
15	10211 Pacific Mesa Blvd.	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
16	10309 Pacific Center Ct.	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
17	10450 Pacific Center Ct.	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
18	5910 Pacific Center Blvd.	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
19	5788 Pacific Center Blvd.	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
20	5764 Pacific Center Blvd.	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
21	WB Pacific Center Blvd & McKellar Ct. (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
22	Qualcomm Design Center (45 mph sign)	6:51	7:31	8:11	8:37	9:16	3:45	4:28	5:03	5:45	6:33
23	WB Lush Blvd & Telesis Ct. (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
📍	Sorrento Valley COASTER Station <b>ARRIVE</b>	6:57	7:37	8:16	8:42	—	3:54	4:37	5:12	5:56	6:42

Route 973 – Monday through Friday / *lunes a viernes*

Carroll Canyon ➡ Sorrento Valley COASTER Station

		Morning (AM)					Afternoon/Evening (PM)				
📍	Sorrento Valley COASTER Station <b>DEPART*</b>	6:30a	7:10a	7:53a	8:22a	8:55a	—	4:06p	4:41p	5:25p	6:10p
24	10240 Sorrento Valley Road	⋮	⋮	⋮	⋮	⋮	—	⋮	⋮	⋮	⋮
25	EB Mira Mesa Blvd & Scranton Road (after intersection)	⋮	⋮	⋮	⋮	⋮	3:30p	⋮	⋮	⋮	⋮
26	EB Mira Mesa Blvd & Oberlin Drive (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
27	Pacific Heights Blvd & Mira Mesa Blvd. (after turn, electrical boxes)	6:38	7:18	8:01	8:30	9:03	3:31	4:14	4:49	5:33	6:18
28	Pacific Heights Blvd & Cornerstone Ct. (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
29	Brown Deer Road & Ferris Square (at pedestrian crossing sign)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
30	9215 Brown Deer Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
31	9339 Carroll Park Drive	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
32	9449 Carroll Park Drive	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
33	Nancy Ridge Drive & Carroll Road (after turn, Carroll Ridge Bus. Park)	6:47	7:27	8:09	8:38	9:12	3:40	4:23	4:58	5:42	6:27
34	Phage Biotechnology	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
35	6650 Nancy Ridge Drive	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
36	6310 Nancy Ridge Drive (electrical boxes in front of Nancy Ridge Technology Park)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
37	6150 Nancy Ridge Drive (Sorrento Ridge Business Park)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
38	5960 Nancy Ridge Drive (Sorrento Vista Industrial Park)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
39	5280 Carroll Canyon Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
40	Youngstown Way & Oberlin Drive (before turn, at fire hydrant)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
41	5807 Oberlin Drive	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
42	5871 Oberlin Drive (mailboxes)	6:51	7:31	8:13	8:42	9:16	3:44	4:27	5:02	5:46	6:31
43	45mph sign across street from Websense	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
📍	Sorrento Valley COASTER Station <b>ARRIVE</b>	7:00	7:40	8:22	8:51	—	3:54	4:37	5:12	5:56	6:41

Route 978 – Monday through Friday / *lunes a viernes*

Torrey Pines ➡ Sorrento Valley COASTER Station

		Morning (AM)				Afternoon/Evening (PM)				
📍	Sorrento Valley COASTER Station <b>DEPART*</b>	6:32a	7:10a	7:55a	8:24a	—	4:10p	4:40p	5:23p	6:10p
44	10240 Science Center Drive	6:38	7:16	8:01	8:30	3:34p	4:16	4:48	5:33	6:20
45	General Atomics Court (at end of turnaround)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
46	General Aromics Court & John Hopkins Drive (before turn)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
47	John Hopkins Drive & North Torrey Pines Road (before turn)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
48	3033 Science Park Road (driveway to L3 Communications)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
49	Torreyana Rd & Road to the Cure (before intersection)	6:45	7:23	8:07	8:37	3:41	4:23	4:55	5:40	6:27
50	Torreyana Rd & Callan Road (before turn)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
51	11099 Callan Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
52	10666 North Torrey Pines Road	6:48	7:26	8:10	8:40	3:44	4:26	4:58	5:43	6:30
53	3366 North Torrey Pines Road	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
📍	Sorrento Valley COASTER Station <b>ARRIVE</b>	7:06	7:42	8:24	—	3:53	4:37	5:10	5:55	6:41

Route 979 – Monday through Friday / *lunes a viernes*

University City ➡ Sorrento Valley COASTER Station

		Morning (AM)				Afternoon/Evening (PM)				
📍	Sorrento Valley COASTER Station <b>DEPART*</b>	6:32a	7:10a	7:49a	8:17a	—	4:13p	4:46p	5:30p	6:16p
54	SB Genesee Ave & Scripps Driveway (after intersection)	⋮	⋮	⋮	⋮	—	⋮	⋮	⋮	⋮
55	SB Genesee Ave & Campus Point Drive (after intersection)	6:39	7:17	7:56	8:24	3:35p	4:20	4:53	5:37	6:23
56	EB Eastgate Mall & Easter Way (before intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
57	EB Eastgate Mall & Towne Centre Way (before turn)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
58	Towne Centre Way & Executive Drive (before turn)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
59	Executive Way & Executive Drive (before turn)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
60	NB Genesee Ave & La Jolla Village Drive (after turn)	6:44	7:22	8:01	8:29	3:40	4:25	4:58	5:42	6:28
61	NB Genesee Ave & Executive Drive (before intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
62	NB Genesee Ave & Eastgate Mall (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
63	NB Genesee Ave & Campus Point Drive (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
64	NB Genesee Ave & Scripps Driveway (after intersection)	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
📍	Sorrento Valley COASTER Station <b>ARRIVE</b>	6:54	7:32	8:11	—	3:53	4:38	5:11	5:55	6:41

Routes 972, 973, 978, and 979 do not operate on weekends or on the observation of the following holidays: New Year’s Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas  
*Las rutas 972, 973, 978 y 979 no ofrecen servicio durante el fin de semana ó durante los siguientes días festivos: Año Nuevo, Memorial Day, Día de la Independencia (E.E.U.U.), Labor Day, Día de Acción de Gracias, y Navidad*

\* All morning departures from Sorrento Valley COASTER Station wait for the arriving southbound train. Morning buses may depart the station earlier than time shown, once all passengers have transferred from the designated COASTER train. Afternoon departures from Sorrento Valley COASTER Station may leave up to ten minutes earlier than shown.

*Todas las salidas de Sorrento Valley COASTER Station en la mañana esperan la llegada del tren hacia el sur. En la mañana, cuando todos los pasajeros del COASTER se han trasladado a los autobuses, los autobuses podrán salir de la estación, aunque sea unos minutos antes del horario. En la tarde, las salidas de Sorrento Valley COASTER Station pueden salir hasta diez minutos antes de lo mostrado.*

The schedules and other information shown in this timetable are subject to change. MTS does not assume responsibility for errors in timetables nor for any inconvenience caused by delayed buses. / Los horarios e información que se indican en este itineratio están sujetos a cambios. MTS no asume responsabilidad por errores en los itinerarios, ni por ningún perjuicio que se origine por los autobuses demorados.





SPRINTER STATIONS		
Oceanside Transit Center	313 S. Cleveland St., Oceanside, CA 92054	
Coast Highway Station	1304 ½ S. Tremont St., Oceanside, CA 92054	
Crouch Street Station	609 Crouch St., Oceanside, CA 92054	
El Camino Real Station	1505 El Camino Real, Oceanside, CA 92054	
Rancho Del Oro Station	3513 Oceanside Blvd, Oceanside, CA 92056	
College Boulevard Station	4103 ½ Oceanside Blvd., Oceanside, CA 92056	No overnight parking.
Melrose Drive Station	1495 ½ N. Melrose Dr., Oceanside, CA 92056	
Vista Transit Center	240 N. Santa Fe Rd., Vista, CA 92083	
Civic Center-Vista Station	810 Phillips St., Vista, CA 92083	
Buena Creek Station	1923 Buena Creek Rd., San Diego, CA 92084	
Palomar College Station	1142 W. Armolite Dr., San Marcos, CA 92069	Free parking behind the station, accessible from Armolite Drive, just west of the Bingham Drive intersection.
San Marcos Civic Center Station	40 W. San Marcos Blvd., San Marcos, CA 92069	No parking available.
Cal State San Marcos Station	410 La Moree Rd., San Marcos, CA 92069	No parking available.
Nordahl Road Station	2121 Barham Dr., Escondido, CA 92025	
Escondido Transit Center	796 W. Valley Pkwy., Escondido, CA 92025	

COASTER STATIONS	ZONES
Oceanside Transit Center	North County - Zone 1
Carlsbad Village	
Carlsbad Poinsettia	
Encinitas	
Solana Beach	Sorrento Valley - Zone 2
Sorrento Valley	
Old Town Transit Center	San Diego - Zone 3
Santa Fe Depot	

**NORTH COUNTY TRANSIT DISTRICT**  
SYSTEM MAP LEGEND

**BREEZE Bus Route Finder**

- 101 Oceanside to VA/UCSD/UTC via Hwy. 101
- 302 Oceanside to Vista via Vista Way
- 303 Oceanside to Vista via Town Center North
- 304 Encinitas to San Marcos via Rancho Santa Fe Rd.
- 305 Escondido to Vista via Mission Rd. & S. Santa Fe Ave.
- 306 Fallbrook to Vista via Mission Rd.
- 308 Solana Beach to Escondido via Del Dios Hwy.
- 309 Oceanside to Encinitas via El Camino Real
- 311 San Luis Rey Transit Center to Rancho Del Oro SPRINTER Station via Douglas Dr.
- 313 Oceanside Transit Center to San Luis Rey Transit Center via Mesa Dr.
- 315 Carlsbad Village Station to 14 Area
- 318 Oceanside to Vista via Oceanside Blvd. & Bobier Dr.
- 323 College Blvd. SPRINTER Station to Quarry Creek
- 325 Carlsbad Village to College Blvd. SPRINTER Station
- 332 Vista to Buena Creek SPRINTER Station via Vista Business Park
- 334 Vista Circulator
- 347 Cal State San Marcos to Palomar College
- 350 Escondido to Del Lago Transit Station via Westfield North County Mall
- 351 Escondido Circulator
- 353 Escondido Transit Center to Nordahl Marketplace via Citracado Pkwy.
- 354 Orange Glen High School via Mission, Lincoln & Citrus
- 355 El Norte Pkwy. & Valley Pkwy.
- 357 Morning View Dr., El Norte Pkwy. & Escondido Blvd.
- 358 N. Broadway, Country Club & El Norte Pkwy.
- 359 Escondido to Pala
- 444 Carlsbad Poinsettia COASTER Connection via Faraday Ave. & Rutherford Rd.
- 445 Carlsbad Poinsettia COASTER Connection to Palomar College

**FLEX Route Finder**

- 371 FLEX Ramona Commuter
- 372 FLEX Ramona Midday\*
- 392 Oceanside to 14 Area via Vandergrift
- 395 Oceanside Transit Center to Camp San Onofre via Naval Hospital

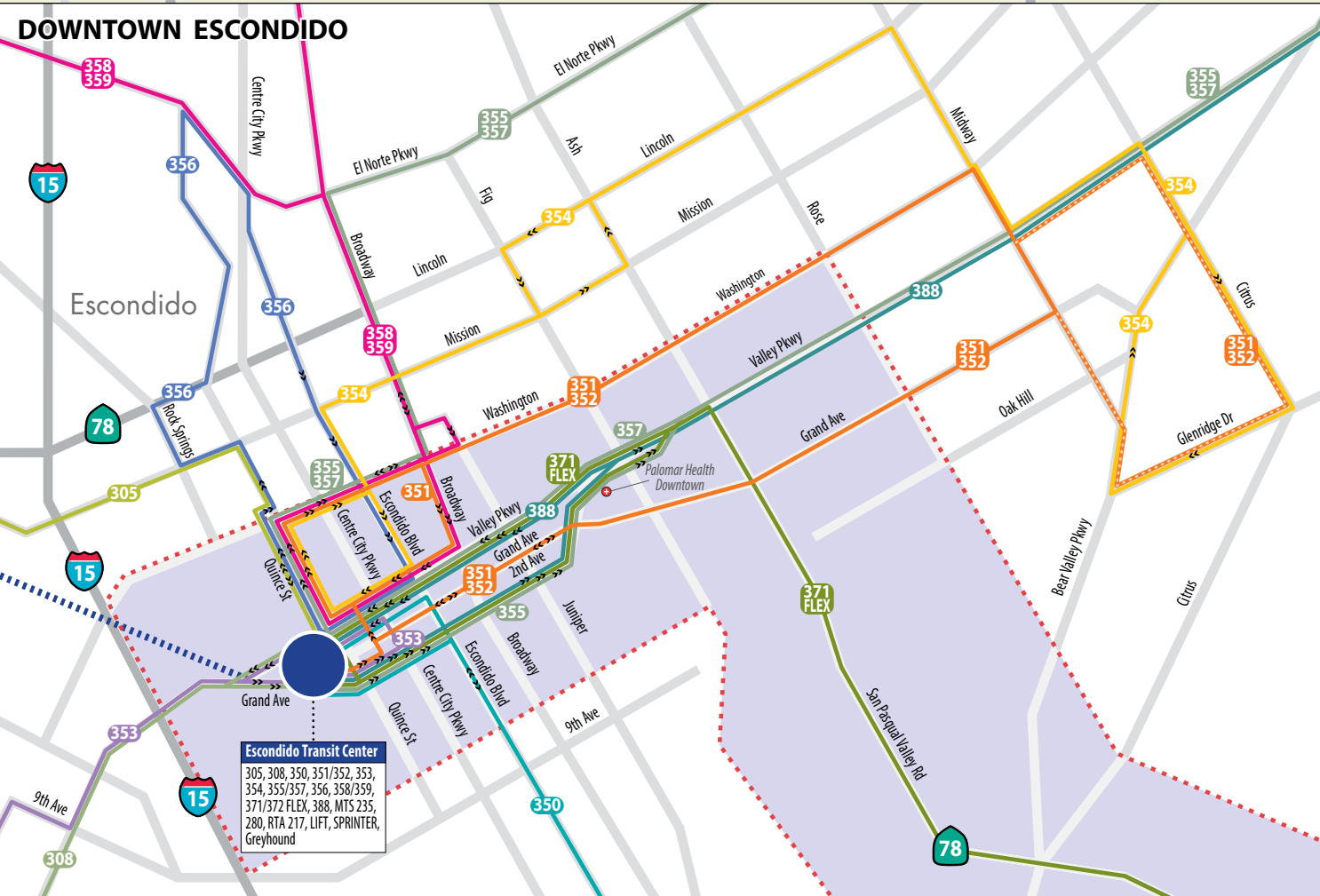
\* Reservation required. Call (760) 726-1111.  
\* Se requieren reservaciones. Llame al (760) 726-1111.

**Metropolitan Transit System (MTS) Bus Route Finder**

- 972 Sorrento Mesa (MTS)
- 973 Carroll Canyon (MTS)
- 978 Torrey Pines (MTS)
- 979 North University City (MTS)

COASTER Station  
SPRINTER Station  
Regular Service  
Limited Service (selected trips)  
Points of Interest  
School/Academic Institution  
Medical Facility

**Map not to scale**  
Updated: October 8, 2017





STOP_ID	ROUTE_NUMBER	DIRECTION_NAME	STOP	BOARDING ON	BOARDING OFF	TOTAL	TOTAL RIDERSHIP
						BOARDINGS / ALIGHTINGS	
10085	31	East	Miramar Rd/Milch Rd	8	3	11	41
10095	31	East	Miramar Rd/Distribution Av	1	1	2	42
10107	31	East	Miramar Rd/Carroll Rd	8	5	12	47
10124	31	East	Miramar Rd/Dowdy Dr	4	1	5	50
10132	31	East	Miramar Rd/Cabot Dr	4	2	5	52
10142	110	South	Mira Mesa Bl/Reagan Rd (E)	4	2	6	28
10142	921	East	Mira Mesa Bl/Reagan Rd (E)	9	9	18	142
10149	110	South	Mira Mesa Bl/Westonhill Dr	8	0	8	36
10149	921	East	Mira Mesa Bl/Westonhill Dr	3	10	14	136
10168	110	South	Mira Mesa Bl/Marbury Av	3	0	3	41
10168	921	East	Mira Mesa Bl/Marbury Av	4	5	10	132
10422	237	North	Mira Mesa Bl/Scranton Rd	18	19	37	328
10422	973	Counterclo	Mira Mesa Bl/Scranton Rd	1		1	1
10422	973	Counterclo	Mira Mesa Bl/Scranton Rd	0	5	5	41
10450	31	East	Miramar Rd/Frost Mar Pl	4	3	7	36
10464	31	East	Miramar Rd/Production Av	1	2	3	41
10484	110	South	Mira Mesa Bl/Parkdale Av	4	0	4	15
10484	921	East	Mira Mesa Bl/Parkdale Av	13	7	20	142
10498	110	South	Mira Mesa Bl/Reagan Rd (W)	4	0	4	19
10498	921	East	Mira Mesa Bl/Reagan Rd (W)	14	23	36	132
10511	110	South	Mira Mesa Bl/Camino Ruiz	9	2	11	26
10511	237	North	Mira Mesa Bl/Camino Ruiz	33	100	133	291
10511	921	East	Mira Mesa Bl/Camino Ruiz	39	29	68	142
10542	110	South	Mira Mesa Bl/Greenford Dr	3	0	3	39
10542	921	East	Mira Mesa Bl/Greenford Dr	16	19	35	133
10553	921	East	Mira Mesa Bl/Rickert Rd	1	4	5	129
10859	110	North	Mira Mesa Bl/Parkdale Av	0	2	2	11
10859	921	West	Mira Mesa Bl/Parkdale Av	5	13	19	273
10870	110	North	Mira Mesa Bl/Reagan Rd	0	5	5	14
10870	921	West	Mira Mesa Bl/Reagan Rd	12	7	19	285
11223	31	West	Miramar Rd/Camino Santa Fe	6	3	9	75
11227	31	West	Miramar Rd/Commerce Av	5	13	18	73
11233	31	West	Miramar Rd/Production Av	3	5	9	80
11241	31	West	Miramar Rd/Distribution Av	2	5	7	82
11251	31	West	Miramar Rd/Carroll Rd	4	9	14	86
11257	110	North	Mira Mesa Bl/Montongo St	0	0	0	14
11257	921	West	Mira Mesa Bl/Montongo St	1	5	7	281
11261	31	West	Miramar Rd/Empire St	1	2	2	94
11265	31	West	Miramar Rd/Dowdy Dr	2	9	11	96
11272	110	North	Mira Mesa Bl/Camino Ruiz	2	12	14	18



STOP_ID	ROUTE_NUMBER	DIRECTION_NAME	STOP	BOARDING ON	BOARDING OFF	TOTAL BOARDINGS / ALIGHTINGS	TOTAL RIDERSHIP
11272	237	South	Mira Mesa Bl/Camino Ruiz	93	25	118	332
11272	921	West	Mira Mesa Bl/Camino Ruiz	53	54	107	279
11274	31	West	Miramar Rd/Cabot Dr	2	10	13	103
11282	110	North	Mira Mesa Bl/New Salem St	0	4	4	29
11282	921	West	Mira Mesa Bl/New Salem St	13	22	35	280
11289	110	North	Mira Mesa Bl/Westonhill Dr	0	7	8	32
11289	921	West	Mira Mesa Bl/Westonhill Dr	11	6	17	289
11292	31	West	Miramar Rd/Camino Ruiz	2	2	4	118
11294	110	North	Mira Mesa Bl/Greenford Dr	1	3	4	39
11294	921	West	Mira Mesa Bl/Greenford Dr	20	12	32	284
11302	110	North	Mira Mesa Bl/Westmore Rd	0	3	3	41
11302	921	West	Mira Mesa Bl/Westmore Rd	5	9	15	276
11320	110	North	Mira Mesa Bl/Black Mountain Rd	2	3	6	44
11320	237	South	Mira Mesa Bl/Black Mountain Rd	40	5	46	263
11320	921	West	Mira Mesa Bl/Black Mountain Rd	31	11	42	280
11699	20	South	Black Mountain Rd/Gold Coast Dr	34	7	42	272
11699	31	West	Black Mountain Rd/Gold Coast Dr	5	1	6	114
11699	964	West	Black Mountain Rd/Gold Coast Dr	37	13	50	138
11700	20	South	Black Mountain Rd/Miramar College Drwy	1	0	2	245
11700	31	West	Black Mountain Rd/Miramar College Drwy	0	0	0	110
11700	964	West	Black Mountain Rd/Miramar College Drwy	4	1	5	114
11701	20	South	Black Mountain Rd/Activity Rd	52	21	73	318
11701	31	West	Black Mountain Rd/Activity Rd	1	1	2	115
11703	20	South	Black Mountain Rd/Carroll Center Rd	14	4	18	288
11703	31	West	Black Mountain Rd/Carroll Center Rd	2	1	3	115
12071	964	East	Camino Ruiz/Reagan Rd	8	1	9	117
12073	964	East	Camino Ruiz/Mira Mesa Bl	20	12	32	110
12108	110	South	Black Mountain Rd/Mira Mesa Bl	3	0	3	44
12108	237	North	Black Mountain Rd/Mira Mesa Bl	6	44	50	252
12108	921	East	Black Mountain Rd/Mira Mesa Bl	5	24	29	110
12109	921	East	Black Mountain Rd/10770 The Woods MHP	0	4	4	107
12111	20	South	Black Mountain Rd/Hillery Dr	16	5	22	244
12111	31	West	Black Mountain Rd/Hillery Dr	4	0	4	110
12111	964	West	Black Mountain Rd/Hillery Dr	5	0	5	111
12112	20	South	Black Mountain Rd/Carroll Canyon Rd	17	11	27	278
12112	31	West	Black Mountain Rd/Carroll Canyon Rd	3	3	6	114
12402	110	South	Camino Santa Fe/Flanders Dr	3	0	3	3
12489	20	North	Black Mountain Rd/Carroll Canyon Rd	8	12	21	267
12489	31	East	Black Mountain Rd/Carroll Canyon Rd	2	3	5	56
12807	964	West	Camino Ruiz/Reagan Rd	1	12	13	93

STOP_ID	ROUTE_NUMBER	DIRECTION_NAME	STOP	BOARDING ON	BOARDING OFF	TOTAL BOARDINGS / ALIGHTINGS	TOTAL RIDERSHIP
12837	921	West	Black Mountain Rd/Village Greens MHP (10771)	3	1	3	260
12838	20	North	Black Mountain Rd/Hillery Dr	3	12	14	246
12838	31	East	Black Mountain Rd/Hillery Dr	0	2	2	53
12838	964	East	Black Mountain Rd/Hillery Dr	0	4	4	120
12839	20	North	Black Mountain Rd/Gold Coast Dr	11	19	30	259
12839	31	East	Black Mountain Rd/Gold Coast Dr	2	3	5	55
12839	964	East	Black Mountain Rd/Gold Coast Dr	6	31	37	132
12840	20	North	Black Mountain Rd/Miramar College Way	0	4	4	255
12840	31	East	Black Mountain Rd/Miramar College Way	0	1	1	54
12840	964	East	Black Mountain Rd/Miramar College Way	0	8	8	124
12841	20	North	Black Mountain Rd/Activity Rd	7	16	23	275
12841	31	East	Black Mountain Rd/Activity Rd	1	6	7	59
12842	20	North	Black Mountain Rd/Miramar Rd	11	64	75	285
12842	31	East	Black Mountain Rd/Miramar Rd	3	3	6	63
12844	20	North	Black Mountain Rd/Carroll Center Rd	6	10	15	271
12844	31	East	Black Mountain Rd/Carroll Center Rd	1	2	3	58
13003	31	East	Miramar Rd/Miramar Way	3	1	4	44
13070	31	West	Miramar Rd/7636	1	4	5	91
13101	31	West	Miramar Rd/Miramar Way	3	5	8	84
13104	31	West	Miramar Rd/Northgate Plaza	2	9	11	111
13195	921	East	Scranton Rd/Morehouse Dr	8	3	11	52
13195	972	Clockwise	Scranton Rd/Morehouse Dr			0	0
13195	972	Clockwise	Scranton Rd/Morehouse Dr	1	1	2	28
13196	921	East	Scranton Rd/9605	3	1	4	53
13196	972	Clockwise	Scranton Rd/9605	1		1	1
13196	972	Clockwise	Scranton Rd/9605		6	6	22
13197	921	East	Scranton Rd/SD Tech Center (9805)	7	2	9	58
13197	972	Clockwise	Scranton Rd/SD Tech Center (9805)	1		1	2
13197	972	Clockwise	Scranton Rd/SD Tech Center (9805)			0	22
13198	921	East	Barnes Canyon Rd/10055	4	0	4	61
13199	921	East	Barnes Canyon Rd/Lusk Bl	14	5	19	70
13199	972	Clockwise	Barnes Canyon Rd/Lusk Bl			0	3
13199	972	Clockwise	Barnes Canyon Rd/Lusk Bl	5		5	26
13200	972	Clockwise	Lusk Bl/Barnes Canyon Rd			0	0
13200	972	Clockwise	Lusk Bl/Barnes Canyon Rd		7	7	42
13202	237	North	Mira Mesa Bl/Oberlin Dr	29	13	42	343
13202	973	Counterclo	Mira Mesa Bl/Oberlin Dr	1	0	1	2
13202	973	Counterclo	Mira Mesa Bl/Oberlin Dr		11	11	30
13203	237	North	Mira Mesa Bl/Pacific Heights Bl	35	22	57	357
13203	921	East	Mira Mesa Bl/Pacific Heights Bl	15	3	18	111

STOP_ID	ROUTE_NUMBER	DIRECTION_NAME	STOP	BOARDING ON	BOARDING OFF	TOTAL BOARDINGS / ALIGHTINGS	TOTAL RIDERSHIP
13204	921	East	Mira Mesa Bl/Huennekens St	4	1	5	114
13205	237	North	Mira Mesa Bl/Steadman St	21	19	40	358
13205	921	East	Mira Mesa Bl/Steadman St	6	1	7	119
13206	921	East	Mira Mesa Bl/Flanders Dr	6	2	8	122
13207	921	East	Mira Mesa Bl/Viper Wy	10	6	17	127
13208	110	South	Mira Mesa Bl/Camino Santa Fe	1	0	1	4
13208	921	East	Mira Mesa Bl/Camino Santa Fe	15	9	24	133
13209	110	South	Mira Mesa Bl/Caminito Alvarez	3	0	3	7
13209	921	East	Mira Mesa Bl/Caminito Alvarez	16	17	33	131
13210	110	South	Mira Mesa Bl/Aderman Av	4	0	4	11
13210	921	East	Mira Mesa Bl/Aderman Av	10	6	16	135
13215	110	North	Mira Mesa Bl/Dabney Dr	0	1	1	11
13215	921	West	Mira Mesa Bl/Dabney Dr	2	4	5	271
13216	110	North	Mira Mesa Bl/Aderman Av	0	3	3	8
13216	921	West	Mira Mesa Bl/Aderman Av	8	8	16	270
13217	110	North	Mira Mesa Bl/Shilling Av	0	4	4	4
13217	921	West	Mira Mesa Bl/Shilling Av	33	17	50	286
13218	921	West	Mira Mesa Bl/Camino Santa Fe	14	27	41	273
13219	921	West	Mira Mesa Bl/Viper Wy	4	6	10	271
13220	921	West	Mira Mesa Bl/Flanders Dr	4	10	14	265
13221	237	South	Mira Mesa Bl/Genetic Center Dr	12	21	32	323
13221	921	West	Mira Mesa Bl/Genetic Center Dr	3	6	9	263
13222	921	West	Mira Mesa Bl/Sequence Dr	2	7	10	258
13223	237	South	Mira Mesa Bl/Pacific Heights Bl	13	47	60	289
13226	921	West	Barnes Canyon Rd/Lusk Bl	15	12	27	239
13227	921	West	Barnes Canyon Rd/10140	1	1	3	239
13228	921	West	Barnes Canyon Rd/10030	1	6	7	233
13229	921	West	Scranton Rd/9808	5	3	7	235
13230	921	West	Scranton Rd/Mira Sorrento Pl	3	3	6	235
13231	237	South	Mira Mesa Bl/Scranton Rd	17	18	35	276
13231	921	West	Mira Mesa Bl/Scranton Rd	10	6	16	238
13321	31	East	Miramar Rd/Mitchner Way	11	4	15	63
23001	235	North	Miramar College Transit Station	190	501	691	1127
23002	235	South	Miramar College Transit Station	529	197	725	1386
23003	237	North	Miramar College Transit Station	8	167	174	93
23004	110	North	Miramar College Transit Station	6	53	59	45
23004	110	South	Miramar College Transit Station	48	6	54	85
23005	20	South	Miramar College Transit Station	82	110	191	233
23008	237	South	Miramar College Transit Station	138	11	149	228
23010	921	East	Miramar College Transit Station	0	106	106	1

STOP_ID	ROUTE_NUMBER	DIRECTION_NAME	STOP	BOARDING ON	BOARDING OFF	TOTAL	TOTAL RIDERSHIP
						BOARDINGS / ALIGHTINGS	
23010	921	West	Miramar College Transit Station	258	0	258	258
23011	31	East	Miramar College Transit Station	0	53	53	0
23011	31	West	Miramar College Transit Station	106	0	106	106
23012	964	East	Miramar College Transit Station	40	89	129	71
23012	964	West	Miramar College Transit Station	80	27	107	106
60684	964	East	Zapata Av/Kelowna Rd	30	1	31	49
60685	964	East	Kelowna Rd/Capricorn Wy	19	0	19	68
60686	964	East	Camino Ruiz/Teresa Dr	9	0	9	85
60687	964	East	Camino Ruiz/Hydra Ln	4	0	4	94
60688	964	East	Camino Ruiz/Westmore Rd	5	0	5	99
60689	964	East	Camino Ruiz/New Salem St	20	17	37	102
60691	964	West	Gold Coast Dr/Westchester Av	2	1	3	139
60693	964	West	Gold Coast Dr/Londonderry Av	1	1	2	139
60694	964	West	Gold Coast Dr/Lipscomb Dr	2	4	6	137
60695	964	West	Gold Coast Dr/Westonhill Dr	1	7	8	131
60696	964	West	Gold Coast Dr/San Ramon Dr	4	6	10	129
60697	964	West	Gold Coast Dr/Drumcliff Av	0	8	8	121
60700	964	West	Camino Ruiz/Hydra Ln	0	1	1	75
60702	964	West	Camino Ruiz/Westmore Rd	0	8	8	76
60703	964	West	Camino Ruiz/New Salem St	16	9	25	84
60704	964	West	Camino Ruiz/Mira Mesa Bl	22	38	60	77
60705	964	West	Gold Coast Dr/Camino Ruiz	2	19	21	104
60779	964	East	Gold Coast Dr/Camino Ruiz	35	1	36	151
60780	964	East	Gold Coast Dr/Saluda Av	4	3	7	152
60781	964	East	Gold Coast Dr/San Ramon Dr	4	4	8	152
60782	964	East	Gold Coast Dr/Gold Coast Wy	8	1	9	159
60783	964	East	Gold Coast Dr/Gold Coast Pl	6	3	9	162
60784	964	East	Gold Coast Dr/Londonderry Av	3	4	7	161
60785	964	East	Gold Coast Dr/Westchester Av	2	6	8	157
60786	964	East	Camino Ruiz/Capricorn Wy	13	0	13	13
60786	964	West	Camino Ruiz/Capricorn Wy	0	68	68	0
60844	964	East	Capricorn Way/Camino Ruiz	8	0	8	76
90051	20	South	Mira Mesa Marketcenter	16	26	42	261
90051	964	West	Mira Mesa Marketcenter	14	2	16	53
98500	972	Clockwise	Barnes Canyon Rd/Lusk Blvd (After Turn Before Dr			0	3
98500	972	Clockwise	Barnes Canyon Rd/Lusk Blvd (After Turn Before Dr	3		3	29
98502	972	Clockwise	Pacific Mesa Bl/Sorrento View Business Park (@ F	1		1	4
98502	972	Clockwise	Pacific Mesa Bl/Sorrento View Business Park (@ F	2	1	3	31
98503	972	Clockwise	Pacific Center Ct/Pacific Center Bl (10309 @ Ele	1		1	5
98503	972	Clockwise	Pacific Center Ct/Pacific Center Bl (10309 @ Ele	1		1	32



STOP_ID	ROUTE_NUMBER	DIRECTION_NAME	STOP	BOARDING ON	BOARDING OFF	TOTAL BOARDINGS / ALIGHTINGS	TOTAL RIDERSHIP
98504	972	Clockwise	Pacific Center Ct/10450 (In Front Of Time Warner			0	5
98504	972	Clockwise	Pacific Center Ct/10450 (In Front Of Time Warner	11	16	27	27
98505	972	Clockwise	Pacific Center Bl/Pacific Heights Bl	3		3	11
98505	972	Clockwise	Pacific Center Bl/Pacific Heights Bl	3		3	31
98506	972	Clockwise	Pacific Center Bl/Mckellar Ct			0	11
98506	972	Clockwise	Pacific Center Bl/Mckellar Ct	1		1	32
98507	972	Clockwise	Lusk Bl/Vista Sorrento Pkwy (@10525 Before Dwy)			0	0
98507	972	Clockwise	Lusk Bl/Vista Sorrento Pkwy (@10525 Before Dwy)		5	5	78
98508	972	Clockwise	Lusk Bl/Waterridge Cir (After Intersection)			0	0
98508	972	Clockwise	Lusk Bl/Waterridge Cir (After Intersection)		9	9	69
98509	972	Clockwise	Lusk Bl/Telisis Ct (After Intersection)			0	0
98509	972	Clockwise	Lusk Bl/Telisis Ct (After Intersection)		13	13	56
98510	972	Clockwise	Lusk Bl/Pacific Ctr Bl (@ Fire Hydrant Across Fr			0	0
98510	972	Clockwise	Lusk Bl/Pacific Ctr Bl (@ Fire Hydrant Across Fr		7	7	49
98511	972	Clockwise	Morehouse Dr/5590 (Pro-Sat & Comm Driveway)			0	0
98511	972	Clockwise	Morehouse Dr/5590 (Pro-Sat & Comm Driveway)		8	8	34
98512	972	Clockwise	Morehouse Dr/5510 (Fs Morehouse Tech Ctr Drwy)			0	0
98512	972	Clockwise	Morehouse Dr/5510 (Fs Morehouse Tech Ctr Drwy)		6	6	28
98513	972	Clockwise	Barnes Canyon Rd/10225 (@ Mailboxes)	1		1	3
98513	972	Clockwise	Barnes Canyon Rd/10225 (@ Mailboxes)		1	1	21
98514	972	Clockwise	Lusk Bl/6455 (@ Qualcomm Design Ctr)			0	11
98514	972	Clockwise	Lusk Bl/6455 (@ Qualcomm Design Ctr)	1		1	33
98515	972	Clockwise	Lusk Bl/Telesis Ct	2		2	13
98515	972	Clockwise	Lusk Bl/Telesis Ct	11		11	44
98517	973	Counterclo	Pacific Heights Bl/Mira Mesa Bl	2	0	2	4
98517	973	Counterclo	Pacific Heights Bl/Mira Mesa Bl	7	10	17	27
98522	973	Counterclo	Oberlin Dr/5871 (@ Mailboxes)	0	1	1	11
98522	973	Counterclo	Oberlin Dr/5871 (@ Mailboxes)	10	4	14	31
98525	973	Counterclo	6310 Nancy Ridge Dr (Nancy Ridge Tech Pk/6349)	2	0	2	10
98525	973	Counterclo	6310 Nancy Ridge Dr (Nancy Ridge Tech Pk/6349)	3	1	4	19
98526	973	Counterclo	6650 Nancy Ridge Dr/6767 (@ Fire Hydrant After D			0	8
98526	973	Counterclo	6650 Nancy Ridge Dr/6767 (@ Fire Hydrant After D		3	3	17
98527	973	Counterclo	Phage Biotechnology	0	0	0	8
98527	973	Counterclo	Phage Biotechnology	0	2	2	20
98549	972	Clockwise	5910 Pacific Center Bl			0	5
98549	972	Clockwise	5910 Pacific Center Bl	2	2	4	27
98550	972	Clockwise	5788 Pacific Center Bl	3		3	8
98550	972	Clockwise	5788 Pacific Center Bl	1		1	28
98551	973	Counterclo	Pacific Heights Bl/Cornerstone Ct			0	4
98551	973	Counterclo	Pacific Heights Bl/Cornerstone Ct	1	3	4	25

STOP_ID	ROUTE_NUMBER	DIRECTION_NAME	STOP	BOARDING ON	BOARDING OFF	TOTAL BOARDINGS / ALIGHTINGS	TOTAL RIDERSHIP
98552	973	Counterclo	Brown Deer Rd/Ferris Sq			0	4
98552	973	Counterclo	Brown Deer Rd/Ferris Sq	1	1	2	25
98553	973	Counterclo	9215 Brown Deer Rd	1	0	1	5
98553	973	Counterclo	9215 Brown Deer Rd	2	3	5	24
98554	973	Counterclo	9339 Carroll Park Dr			0	5
98554	973	Counterclo	9339 Carroll Park Dr	1	6	7	19
98555	973	Counterclo	9449 Carroll Park Dr	1	0	1	6
98555	973	Counterclo	9449 Carroll Park Dr	4	2	6	21
98556	973	Counterclo	Nancy Ridge Dr/Carrol Rd (Carroll Ridge Bus Pk)	2	0	2	8
98556	973	Counterclo	Nancy Ridge Dr/Carrol Rd (Carroll Ridge Bus Pk)	3	2	5	22
98557	973	Counterclo	5960 Nancy Ridge Dr (Sorrento Vista Indu	1	0	1	11
98557	973	Counterclo	5960 Nancy Ridge Dr (Sorrento Vista Indu	4	1	5	22
98558	973	Counterclo	5280 Carroll Canyon Rd			0	11
98558	973	Counterclo	5280 Carroll Canyon Rd			0	22
98559	973	Counterclo	Youngstown Wy/Oberlin Dr	1	0	1	12
98559	973	Counterclo	Youngstown Wy/Oberlin Dr	2	0	2	24
98560	973	Counterclo	5807 Oberlin Dr			0	12
98560	973	Counterclo	5807 Oberlin Dr	1	0	1	25
99036	110	North	Camino Santa Fe/Flanders Dr	0	3	3	0
99041	31	East	Miramar Rd/Camino Ruiz	5	2	6	55
99042	31	West	Miramar Rd/Black Mountain Rd	24	2	26	137
99061	921	West	Pacific Heights Bl/Mira Mesa Bl	4	11	15	251
99156	31	West	Miramar Rd/Clayton Dr	3	22	26	118
99157	31	East	Miramar Rd/Empire St	1	0	1	47
99202	237	South	Mira Mesa Bl/Lusk Bl	8	21	29	276
99266	964	West	Camino Ruiz/Calle Morelos	0	7	7	68
99267	964	East	Camino Ruiz/Calle Morelos	5	0	5	90
99268	964	East	Zapata Av/Camino Ruiz	7	0	7	20
99270	921	West	Barnes Canyon Rd/Pacific Heights Bl	25	39	64	237
99271	921	East	Barnes Canyon Rd/Pacific Heights Bl	41	11	51	100
99271	972	Clockwise	Barnes Canyon Rd/Pacific Heights Bl			0	3
99271	972	Clockwise	Barnes Canyon Rd/Pacific Heights Bl	2	1	3	30
99382	110	South	Camino Santa Fe/Mira Mesa Bl	1	0	1	3
99394	20	North	Westview Pkwy/Mira Mesa MarketCenter	18	18	36	245
99394	964	East	Westview Pkwy/Mira Mesa MarketCenter	7	15	22	63
91112	972	Clockwise	Sorrento Valley Coaster Station	83	13	96	83
91112	972	Clockwise	Sorrento Valley Coaster Station		44	44	0
91112	973	Counterclo	Sorrento Valley Coaster Station	46	11	57	46
91112	973	Counterclo	Sorrento Valley Coaster Station		33	33	0
99369	978	Counterclo	Sorrento Valley Coaster Station	51	16	67	51

STOP_ID	ROUTE_NUMBER	DIRECTION_NAME	STOP	BOARDING ON	BOARDING OFF	TOTAL	TOTAL RIDERSHIP
						BOARDINGS / ALIGHTINGS	
99369		978 Counterclo	Sorrento Valley Coaster Station		28	28	0
99369		979 North	Sorrento Valley Coaster Station		42	42	0
99369		979 South	Sorrento Valley Coaster Station	35		35	35

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**OBJECTIVE | Develop a Customer-Focused and Competitive System**

The following measures of productivity and service quality are used to ensure that services are focused on providing competitive and attractive transportation that meets our customers' needs.

**Total Passengers**

Route Categories	FY 2015	FY 2016	FY 2017	# Change FY15 - FY16	# Change FY16 - FY17	% Change FY15 - FY16	% Change FY16 - FY17
Urban Frequent	36,613,236	32,643,690	30,825,404	(3,969,546)	(1,818,286)	-10.8%	-5.6%
Urban Standard	11,444,117	10,503,448	9,646,605	(940,669)	(856,843)	-8.2%	-8.2%
Rapid	4,822,450	6,114,007	6,280,924	1,291,557	166,917	26.8%	2.7%
Express	2,117,727	2,161,620	2,191,658	43,893	30,038	2.1%	1.4%
Circulator	774,167	762,010	741,301	(12,157)	(20,709)	-1.6%	-2.7%
Premium/Rapid Express	304,790	292,776	287,562	(12,014)	(5,214)	-3.9%	-1.8%
Rural	76,000	72,129	75,488	(3,871)	3,359	-5.1%	4.7%
<b>All Fixed-Route Bus Modes</b>	<b>56,152,487</b>	<b>52,549,680</b>	<b>50,048,942</b>	<b>(3,602,807)</b>	<b>(2,500,738)</b>	<b>-6.4%</b>	<b>-4.8%</b>
Demand-Responsive	475,322	522,160	529,091	46,838	6,931	9.9%	1.3%
Light Rail (Blue, Orange, Green)	40,049,516	39,577,369	37,607,470	(472,147)	(1,969,899)	-1.2%	-5.0%
Light Rail (Silver)	32,944	36,607	31,749	3,663	(4,858)	11.1%	-13.3%
<b>System Total Passengers</b>	<b>96,710,269</b>	<b>92,685,816</b>	<b>88,217,252</b>	<b>(4,024,453)</b>	<b>(4,468,564)</b>	<b>-4.2%</b>	<b>-4.8%</b>

**NOTES:** MTS system-wide ridership declined 4.8%. Fixed-route bus ridership decreased 4.8% overall. The Transit Optimization Plan (TOP) was approved by the Board in September 2017 with the goal of identifying unproductive segments, and markets where added service could increase ridership. Ridership on MTS' Demand-Responsive service, the federally-mandated American with Disabilities Act complementary paratransit service, continued to grow, but the rate of growth decreased compared to FY16 due to new enforcement strategies of ensuring the benefit serves those individuals who qualify under federal ADA guidelines.

**Average Weekday Passengers**

Route Categories	FY 2015	FY 2016	FY 2017	# Change FY15 - FY16	# Change FY16 - FY17	% Change FY15 - FY16	% Change FY16 - FY17
Urban Frequent	121,417	106,912	101,380	(14,505)	(5,532)	-11.9%	-5.2%
Urban Standard	39,288	35,503	32,620	(3,785)	(2,883)	-9.6%	-8.1%
Rapid	15,958	20,009	20,836	4,051	827	25.4%	4.1%
Express	7,807	7,860	7,916	53	56	0.7%	0.7%
Circulator	2,963	2,909	2,844	(54)	(65)	-1.8%	-2.2%
Premium/Rapid Express	1,278	1,181	1,131	(97)	(50)	-7.6%	-4.2%
Rural	348	336	336	(12)	0	-3.4%	0.0%
<b>All Fixed-Route Bus Modes</b>	<b>189,059</b>	<b>174,710</b>	<b>167,063</b>	<b>(14,349)</b>	<b>(7,647)</b>	<b>-7.6%</b>	<b>-4.4%</b>
Demand-Responsive	1,708	1,876	2,334	168	458	9.8%	24.4%
Light Rail (Blue, Orange, Green)	123,156	121,651	115,211	(1,505)	(6,440)	-1.2%	-5.3%
Light Rail (Silver)	204	242	380	38	138	18.6%	57.0%
<b>System Avg. Weekday Pass.</b>	<b>314,127</b>	<b>298,479</b>	<b>284,988</b>	<b>(15,648)</b>	<b>(13,491)</b>	<b>-5.0%</b>	<b>-4.5%</b>

**NOTES:** The average weekday passenger statistics show how many passengers ride MTS on a typical weekday. For FY17, there is a 4.5% decrease in system-wide average weekday passengers (down 13,491 passengers per average weekday). Similar to **Total Passengers** on buses, the average weekday ridership decreases in the Urban Frequent category reflect customers utilizing Rapid services.



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**Passengers per Revenue Hour**

Route Categories	FY 2015	FY 2016	FY 2017	% Change FY15 - FY16	% Change FY16 - FY17
Urban Frequent	35.0	31.2	29.7	-10.9%	-4.8%
Urban Standard	26.0	24.0	21.5	-7.7%	-10.4%
Rapid	30.0	32.9	33.9	9.7%	3.0%
Express	26.5	25.6	25.8	-3.4%	0.8%
Circulator	17.0	14.6	14.2	-14.1%	-2.7%
Premium/Rapid Express	23.8	25.3	25.3	6.3%	0.0%
Rural	14.1	13.3	14.1	-5.7%	6.0%
<b>All Fixed-Route Bus Modes</b>	<b>31.4</b>	<b>28.8</b>	<b>27.4</b>	<b>-8.3%</b>	<b>-4.9%</b>
Demand-Responsive	2.1	2.1	2.0	0.0%	-4.8%
Light Rail (Blue, Orange, Green)	236.3	229.6	218.4	-2.8%	-4.9%
Light Rail (Silver)	47.9	52.7	38.7	10.0%	-26.6%
<b>System Riders Per Rev. Hour</b>	<b>44.1</b>	<b>41.2</b>	<b>39.0</b>	<b>-6.6%</b>	<b>-5.3%</b>

**NOTES:** The 'passengers per revenue hour' metric shows how any added or removed revenue hours (in-service hours plus layover hours) relate to ridership increases or decreases. Increasing riders per revenue hour would indicate that the system is more efficient, for example, carrying more passengers with the same number of buses.

**Weekday Passengers per In-Service Hour**

The 'passengers per in-service hour' measure is related to the above 'passengers per revenue hour,' but shows how many passengers are carried while the vehicle is in-service picking up passengers, excluding layover time. Analyzing this figure helps MTS to understand how effective it is at providing the right level of service, instead of how efficiently MTS is grouping trips and breaks together for a vehicle to operate (revenue hours).

Route Categories	FY 2015	FY 2016	FY 2017	% Change FY15 - FY16	% Change FY16 - FY17
Urban Frequent	44.4	39.3	38.2	-11.5%	-2.8%
Urban Standard	35.6	32.7	31.2	-8.1%	-4.6%
Rapid	40.2	45.3	46.8	12.7%	3.3%
Express	33.4	33.2	33.1	-0.6%	-0.3%
Circulator	26.1	21.7	21.3	-16.9%	-1.8%
Premium/Rapid Express	27.7	28.4	27.4	2.5%	-3.5%
Rural	10.7	10.3	11.0	-3.7%	6.8%
<b>All Fixed-Route Bus Modes</b>	<b>40.5</b>	<b>37.2</b>	<b>36.4</b>	<b>-8.1%</b>	<b>-2.2%</b>
Demand-Responsive	N/A	N/A	N/A	N/A	N/A
Light Rail (Blue, Orange, Green)	279.9	276.5	268.7	-1.2%	-2.8%
Light Rail (Silver)	71.6	84.9	82.0	18.6%	-3.4%
<b>System Riders/In-Svc. Hour</b>	<b>61.5</b>	<b>58.1</b>	<b>56.6</b>	<b>-5.5%</b>	<b>-2.6%</b>

**NOTES:** Compared to FY16, MTS' system-wide passengers per in-service hour decreased slightly 2.6% to 56.6 passengers per in-service hour in FY17. For FY17, fixed-route bus passengers per in-service hour experienced a decrease of 2.2% to 36.4 passengers per in-service hour.

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**On-Time Performance**

On-time performance (OTP) is measured at each bus timepoint for every trip; buses departing timepoints within 0-5 minutes of the scheduled time are considered to be "on-time." Trolley trips arriving at their end terminal within 0-5 minutes of the scheduled time are considered to be "on-time." OTP is measured by service change period in order to show the results of scheduling changes. MTS' goal for on-time performance is 85% for Urban Frequent and Rapid bus routes, and 90% for Trolley and all other bus route categories. Each route is continually evaluated to determine if performance below the target is a result of issues that MTS controls, such as driver performance or scheduling, or situations outside MTS' direct control, such as construction, traffic congestion, and passenger issues. Performance of fixed bus routes is heavily impacted by construction, stop signs and stop lights, and traffic when they travel through high density corridors.

Route Categories	Service Change Period					GOAL
	Sept. 2015	Jan. 2016	June 2016	Sept. 2016	Jan. 2017	
Urban Frequent	83.0%	83.1%	82.7%	83.0%	81.8%	85.0%
Urban Standard	82.2%	84.0%	81.9%	83.6%	83.3%	90.0%
Rapid	87.5%	89.7%	89.7%	88.1%	86.1%	85.0%
Express	75.6%	85.5%	73.7%	74.3%	82.7%	90.0%
Circulator	79.8%	86.6%	83.8%	83.9%	73.6%	90.0%
Premium/Rapid Express	85.4%	87.9%	87.1%	85.6%	80.5%	90.0%
Rural	N/A	N/A	N/A	N/A	N/A	
Demand-Responsive	N/A	N/A	N/A	N/A	N/A	
Light Rail (Blue, Orange, Green)	94.7%	92.6%	88.2%	92.0%	93.9%	90.0%
Light Rail (Silver)	90.0%	94.3%	95.5%	96.8%	97.3%	90.0%
<b>System On-Time Performance</b>	<b>82.6%</b>	<b>85.0%</b>	<b>82.7%</b>	<b>83.5%</b>	<b>82.7%</b>	

**NOTES:** Overall, on-time performance remained between 80% and 85%. As of the January 2017 service change, two route categories have met their goal while five categories did not. The Rapid bus mode met its goals, as signal priority measures, and limited stops helped reliability and performance. The two Trolley modes also met their goal, benefitting from the completion of Trolley Renewal construction and activities. The remaining bus modes continue to be challenged by traffic congestion, roadwork and associated detours, lack of transit priority treatments, and traffic calming measures that slow bus service. MTS has recently installed AVL equipment on buses that provides more robust on-time performance reporting capabilities. This data will be used to improve on-time performance. Additionally, service changes related to the Transit Optimization Plan (TOP) in January 2018, could also improve on-time performance.

**Preventable Accidents per 100,000 Miles**

Operator	FY 2015	FY 2016	FY 2017
MTS Directly-Operated Bus	1.17	1.21	1.04
MTS Contracted Fixed-Route Bus	1.35	1.26	1.19
Demand-Responsive	0.46	1.13	1.20
MTS Rail (Fleet)	0.21	0.26	0.17

**NOTES:** The rate of preventable accidents for Directly-Operated and contracted bus services' improved in FY17 while the number of accidents involving a light rail vehicle increased. Trolley operators were not cited or deemed to be at-fault for any accidents in FY17. For bus and Trolley operations, continued operator retraining and safety awareness programs are held throughout the year to improve the operator average for this safety metric. Accidents are reviewed regularly to determine if a different operator action may have improved the outcome.

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**Mean Distance Between Failures (MDBF)**

Operator	FY 2015	FY 2016	FY 2017	% Change FY15-FY16	% Change FY16-FY17
MTS Directly-Operated Bus	12,943	9,463	9,600	-26.9%	1.4%
MTS Contracted Fixed-Route Bus	8,479	5,927	6,561	-30.1%	10.7%
Demand-Responsive	58,730	50,130	49,639	-14.6%	-1.0%
MTS Rail	5,987	6,335	6,906	5.8%	9.0%

**NOTES:** The rate of mechanical failures for both Directly-Operated and Contracted bus services improved from FY16 to FY17. Trolley shows an increase in MDBF compared to FY16 as well.

**Complaints per 100,000 Passengers**

Operator	FY 2015	FY 2016	FY 2017	% Change FY15-FY16	% Change FY16-FY17
MTS Directly-Operated Bus	7.8	4.5	3.5	-42.3%	-22.2%
MTS Contracted Fixed-Route Bus	7.2	6.5	5.7	-9.7%	-12.3%
Demand-Responsive	27.6	72.2	85.4	161.6%	18.3%
MTS Rail	1.9	1.5	1.2	-21.1%	-20.0%
General System	5.3	4.2	3.7	-20.8%	-11.9%

**NOTES:** In FY16 and FY17, MTS saw a decrease in the number of passenger complaints. Over the past three two years, MTS has worked to direct all complaints to a centralized call number, and track all complaints and employee responses to a database. The effort to centralize complaints for Demand-Responsive occurred over FY16 and FY17, hence the significant increase, concurrently the new ADA certification also generated complaints. MTS ensures printed materials contain the one call number, and staff are trained on procedures to log complaints, comments, and suggestions from passengers.

**OBJECTIVE | Develop a Sustainable System**

The following measures are used to ensure that transit resources are deployed efficiently and do not exceed budgetary constraints. These resources may be increased over the budgeted amounts in order to respond to heavy passenger loads, special events, or unplanned detours due to construction or route changes. They may be lower than budgeted if underperforming services are reduced, or if not all of the planned capacity is required to meet the ridership demand.

**Revenue Hours**

Operator	FY17 Budget	FY17 Actual	# Diff	% Diff
MTS Directly-Operated Bus	824,961	822,300	(2,661)	-0.3%
MTS Contracted Fixed-Route Bus	992,233	1,000,081	7,848	0.8%
Demand-Responsive	274,353	267,840	(6,513)	-2.4%
MTS Rail	501,008	490,197	(10,811)	-2.2%
<b>System</b>	<b>2,592,555</b>	<b>2,580,418</b>	<b>(12,137)</b>	<b>-0.5%</b>

**NOTES:** In FY17, all modes remained relatively unchanged to compared to what was budgeted.

**Revenue Miles**

Operator	FY17 Budget	FY17 Actual	# Diff	% Diff
MTS Directly-Operated Bus	9,689,251	9,626,387	(62,864)	-0.6%
MTS Contracted Fixed-Route Bus	10,303,454	10,340,647	37,193	0.4%
Demand-Responsive	4,708,525	4,803,000	94,475	2.0%
MTS Rail	8,488,071	8,728,365	240,294	2.8%
<b>System</b>	<b>33,189,301</b>	<b>33,498,399</b>	<b>309,098</b>	<b>0.9%</b>

**NOTES:** In FY17, all modes remained relatively unchanged to compared to what was budgeted.

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Att. A, AI 46, 11/9/17  
Date: 11/8/17

**Weekday Peak-Vehicle Requirement**

This measure shows the maximum number of vehicles that are on the road at any one time (a weekday peak period) in order to provide the levels of service that have been scheduled.

Operator	June 2016	June 2017	# Change FY16-FY17
MTS Directly-Operated Bus	227	227	0
MTS Contracted Fixed-Route Bus	283	279	(4)
Demand-Responsive	157	148	(9)
MTS Rail	96	96	-

NOTES: All bus service peak vehicle requirements remained largely the same. Trolley's peak car requirement remained consistent between FY16 and FY17. MTS Access' peak vehicle requirement has decreased over the past year, due to decreased service operated.

**In-Service Speeds (MPH) (Weekday)**

Operator	June 2016	June 2017	% Change FY16-FY17
MTS Directly-Operated Bus	14.6	14.5	-0.4%
MTS Contracted Fixed-Route Bus	13.8	13.6	-1.2%
MTS Rail	18.1	18.1	-0.2%

NOTES: In-service speeds have remained relatively flat year-over-year.

**In-Service/Total Miles (Weekday)**

The 'in-service miles per total miles' ratio is only calculated for MTS in-house operations, as contractors are responsible for bus and driver assignments (runcutting) for MTS Contract Services.

Operator	June 2016	June 2017	% Change FY16-FY17
MTS Directly-Operated Bus	85.2%	84.8%	-0.4%
MTS Contracted Fixed-Route Bus	N/A	N/A	N/A
MTS Rail	99.3%	99.3%	0.0%

NOTES: Ratios have remained stable over the two service periods reported for MTS Directly-Operated Bus and MTS Trolley operations.

**In-Service/Total Hours (Weekday)**

As with the mileage statistic, 'in-service hours' per total hours are only calculated for MTS in-house operations.

Operator	June 2016	June 2017	% Change FY16-FY17
MTS Directly-Operated Bus	75.7%	75.8%	0.1%
MTS Contracted Fixed-Route Bus	N/A	N/A	N/A
MTS Rail (Layover Included)	93.3%	97.6%	4.3%

NOTES: Efficiency of scheduling has kept the ratio generally consistent over time, with only a minor change from FY16 to FY17.



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**Farebox Recovery Ratio**

This metric measures the percent of total operating cost recovered through fare revenue. The Transportation Development Act (TDA) has a requirement of 31.9 percent system-wide for fixed-route services (excluding regional routes which have a 20 percent requirement).

Operator	FY 2015	FY 2016	FY 2017	% Change FY15-FY16	% Change FY16-FY17
MTS Fixed-Route Bus (exc PrExp)	35.6%	34.9%	32.3%	-0.7%	-2.6%
MTS Premium Exp./Rapid Express	51.4%	56.4%	52.7%	5.0%	-3.7%
Demand-Responsive	13.5%	12.7%	14.0%	-0.8%	1.3%
MTS Rail	56.8%	55.6%	51.0%	-1.2%	-4.6%
<b>System Farebox Recovery Ratio</b>	<b>40.5%</b>	<b>39.6%</b>	<b>36.5%</b>	<b>-0.9%</b>	<b>-3.1%</b>

The farebox recovery ratios for all fixed-route services continue to exceed the Transportation Development Act (TDA) target.

**Subsidy Per Passenger**

This metric is the amount of public subsidy required to provide service for each unlinked passengers boarding (measured as total operating cost minus fare revenue, divided by total passengers). MTS' goal is to improve route-category average year-over-year.

Operator	FY 2015	FY 2016	FY 2017	% Change FY15-FY16	% Change FY16-FY17
Urban Frequent	\$1.56	\$1.76	\$1.85	12.7%	5.3%
Urban Standard	\$1.58	\$1.64	\$1.88	3.6%	14.9%
Rapid	\$2.86	\$2.42	\$2.20	-15.4%	-9.1%
Express	\$3.27	\$3.39	\$3.16	3.6%	-6.8%
Circulator	\$1.94	\$2.21	\$2.02	14.0%	-8.7%
Premium Exp./Rapid Express	\$3.91	\$3.29	\$4.09	-15.7%	24.1%
Rural	\$9.25	\$9.56	\$9.32	3.4%	-2.6%
<b>All Fixed-Route Bus Modes</b>	<b>\$1.77</b>	<b>\$1.90</b>	<b>\$1.99</b>	<b>7.3%</b>	<b>4.7%</b>
Demand-Responsive	\$31.25	\$31.37	\$28.07	0.4%	-10.5%
Light Rail (Blue, Orange, Green)	\$0.78	\$0.82	\$0.83	5.1%	1.2%
Light Rail (Silver)	\$7.78	\$7.06	\$8.07	-9.3%	14.3%
<b>System Subsidy Per Pass.</b>	<b>\$1.51</b>	<b>\$1.61</b>	<b>\$1.65</b>	<b>6.6%</b>	<b>2.5%</b>

Overall, system-wide subsidy per passenger increased to \$1.65 in FY17. For fixed-route bus service, subsidy per passenger increased from \$1.90 in FY16 to \$1.99 in FY17 (4.7%). Light rail subsidy per passenger increased from \$0.82 to \$0.83 over the last year.

**FY 2017 ANNUAL ROUTE STATISTICS**

Route	Annual Passengers	Avg. Weekday Passengers	Passengers/ Revenue Hour	Subsidy per Passenger	Farebox Recovery	Cost Per Passenger
Blue	17,524,753	55,163	296.8	\$0.45	69.6%	\$1.49
Orange	8,930,210	27,310	180.8	\$1.43	41.7%	\$2.45
Green	11,152,507	32,738	174.9	\$1.50	40.9%	\$2.54
Silver	31,749	380	38.7	\$11.45	8.8%	\$12.56
1	1,228,261	4,050	25.5	\$1.00	51.3%	\$2.06
2	972,600	3,148	26.5	\$3.44	22.9%	\$4.46
3	1,502,966	5,149	33.8	\$0.32	76.9%	\$1.40
4	735,914	2,353	31.5	\$2.73	27.2%	\$3.75
5	769,756	2,608	38.4	\$0.30	77.8%	\$1.37
6	452,096	1,437	24.7	\$3.77	21.4%	\$4.80
7	2,809,987	8,639	34.5	\$2.42	29.7%	\$3.43
8	469,303	1,284	24.6	\$3.77	21.7%	\$4.81
9	387,873	1,157	22.9	\$4.12	20.2%	\$5.16
10	1,328,883	4,419	33.5	\$2.51	29.1%	\$3.53
11	2,030,597	6,834	26.7	\$3.41	23.0%	\$4.43
13	1,777,236	5,811	37.2	\$2.16	32.2%	\$3.18
14	61,448	241	9.6	\$4.30	19.3%	\$5.32
18	26,075	102	9.1	\$4.70	16.4%	\$5.62
20	688,144	2,328	17.7	\$5.66	15.6%	\$6.70
25	111,426	438	17.4	\$2.04	30.3%	\$2.92
27	253,141	919	16.5	\$2.25	31.8%	\$3.30
28	384,283	1,266	30.8	\$0.32	76.2%	\$1.37
30	1,579,905	4,996	22.5	\$4.22	19.8%	\$5.26
31	109,086	425	23.2	\$4.06	20.3%	\$5.09
35	523,498	1,583	26.8	\$0.42	70.4%	\$1.41
41	1,238,797	4,250	33.8	\$2.48	29.2%	\$3.50
44	1,116,538	3,698	29.3	\$3.01	25.6%	\$4.04
50	209,136	817	18.2	\$5.46	15.8%	\$6.49
60	87,615	343	28.7	\$3.09	25.0%	\$4.12
83	35,128	137	10.8	\$3.75	20.5%	\$4.71
84	33,775	132	11.3	\$3.63	19.8%	\$4.53
88	91,459	318	19.4	\$1.74	33.9%	\$2.64
105	349,527	1,177	22.8	\$4.17	19.5%	\$5.19
110	46,327	181	25.6	\$3.65	21.2%	\$4.63
115	275,350	986	17.0	\$2.98	27.9%	\$4.14
120	793,947	2,552	23.6	\$3.99	20.5%	\$5.02
150	852,022	3,144	36.1	\$2.26	31.0%	\$3.28
201/202	2,337,168	8,167	57.0	\$1.08	47.9%	\$2.08
204	168,690	513	17.1	\$5.91	14.4%	\$6.91
215	2,067,873	6,381	33.4	\$2.53	28.6%	\$3.55
235	1,451,717	4,773	24.7	\$3.76	21.6%	\$4.80
237	255,476	1,002	19.0	\$5.22	16.2%	\$6.23
280	122,917	483	22.3	\$5.42	43.6%	\$9.60

**FY 2017 ANNUAL ROUTE STATISTICS**

Route	Annual Passengers	Avg. Weekday Passengers	Passengers/ Revenue Hour	Subsidy per Passenger	Farebox Recovery	Cost Per Passenger
290	164,645	648	28.2	\$2.47	62.6%	\$6.62
701	519,830	1,951	21.1	\$1.88	34.6%	\$2.87
703	36,463	-	25.6	\$2.26	29.3%	\$3.19
704	466,182	1,691	23.0	\$1.90	34.5%	\$2.91
705	240,803	863	21.1	\$1.59	37.7%	\$2.55
707	70,188	274	25.1	\$1.90	32.6%	\$2.82
709	915,708	3,371	32.3	\$1.14	45.7%	\$2.10
712	715,263	2,556	27.3	\$1.27	44.0%	\$2.28
815	309,228	928	29.7	\$0.52	68.3%	\$1.63
816	266,141	1,044	25.5	\$1.29	46.7%	\$2.43
832	46,421	156	12.5	\$2.67	30.5%	\$3.84
833	126,852	430	18.6	\$1.78	36.4%	\$2.80
834	16,927	66	14.6	\$4.85	19.6%	\$6.03
848	351,006	1,137	21.9	\$1.51	42.2%	\$2.61
851	76,801	301	16.7	\$2.07	32.1%	\$3.05
854	157,735	590	20.3	\$2.18	34.8%	\$3.34
855	242,273	842	26.6	\$1.08	50.9%	\$2.19
856	600,088	2,131	24.4	\$1.80	38.5%	\$2.92
864	380,583	1,252	15.4	\$3.86	21.9%	\$4.94
870	14,849	58	12.4	\$3.12	24.2%	\$4.12
871/872	97,449	350	14.9	\$2.24	33.5%	\$3.37
874/875	399,679	1,366	21.9	\$1.70	39.8%	\$2.82
888	2,038	20	3.8	\$49.47	2.6%	\$50.80
891	816	16	2.6	\$70.92	2.2%	\$72.52
892	981	19	3.1	\$56.42	2.8%	\$58.02
894	71,653	282	17.1	\$7.80	12.6%	\$8.92
901	836,236	2,685	20.3	\$3.14	23.6%	\$4.10
904 (Note 1)	173,614	451	8.8	\$3.38	2.7%	\$3.48
905	563,850	1,910	38.7	\$1.10	42.4%	\$1.91
906/907	2,043,532	6,682	49.4	\$0.01	98.9%	\$0.87
916/917	186,775	644	16.1	\$3.14	24.8%	\$4.18
921	275,576	904	17.2	\$2.21	32.3%	\$3.27
923	229,024	877	16.1	\$2.23	30.5%	\$3.21
928	296,841	1,075	19.4	\$2.25	32.1%	\$3.32
929	2,230,944	7,218	32.4	\$0.84	54.7%	\$1.86
932	1,146,682	3,921	27.7	\$1.11	46.8%	\$2.10
933/934	1,663,576	5,547	29.4	\$1.51	39.7%	\$2.51
936	522,702	1,533	25.2	\$1.02	52.3%	\$2.14
944	67,869	245	8.7	\$4.87	16.9%	\$5.86
945	159,468	585	12.5	\$3.10	24.3%	\$4.09
950	293,565	1,043	59.5	\$1.39	36.8%	\$2.20
955	1,343,108	4,362	31.9	\$0.73	58.5%	\$1.75
961	581,507	1,963	26.5	\$1.34	42.9%	\$2.35
962	412,465	1,335	25.7	\$1.19	45.4%	\$2.17
963	211,058	829	22.0	\$1.41	41.3%	\$2.39
964	131,880	517	12.5	\$3.11	23.8%	\$4.08
965	66,026	235	14.0	\$2.60	28.5%	\$3.63

FY 2017 ANNUAL ROUTE STATISTICS						
Route	Annual Passengers	Avg. Weekday Passengers	Passengers/ Revenue Hour	Subsidy per Passenger	Farebox Recovery	Cost Per Passenger
967	52,447	194	11.8	\$3.64	22.6%	\$4.71
968	56,099	208	12.7	\$3.96	20.9%	\$5.01
992	370,273	1,092	19.2	\$1.63	35.2%	\$2.51
972 (SVCC) (Note 2)	33,512	132	22.4	\$1.43	41.0%	\$2.40
973 (SVCC) (Note 2)	29,219	115	19.6	\$1.78	35.0%	\$2.75
978 (SVCC) (Note 2)	23,147	91	17.6	\$2.08	32.0%	\$3.06
979 (SVCC) (Note 2)	21,405	84	16.9	\$2.21	31.0%	\$3.18
MTS ACCESS	529,091	2,334	2.0	\$32.11	14.0%	\$37.36

By Route Category	Annual Passengers	Avg. Weekday Passengers	Passengers/ Revenue Hour	Subsidy per Passenger	Farebox Recovery	Cost Per Passenger
Urban Frequent	30,825,404	101,380	29.7	\$ 1.85	33.7%	\$2.99
Urban Standard	9,646,605	32,620	21.5	\$ 1.88	34.3%	\$3.01
Rapid (Note 3)	6,280,924	20,836	33.9	\$ 2.20	29.0%	\$3.49
Express	2,191,658	7,916	25.8	\$ 3.16	21.8%	\$4.58
Circulator	741,301	2,844	14.2	\$ 2.02	27.5%	\$3.16
Premium/Rapid Express	287,562	1,131	25.3	\$ 4.09	52.7%	\$7.89
Rural (Note 4)	75,488	336	14.1	\$ 9.32	10.0%	\$11.38
<b>All Fixed-Route Bus Modes</b>	<b>50,048,942</b>	<b>167,063</b>	<b>27.4</b>	<b>\$ 1.99</b>	<b>32.5%</b>	<b>\$3.17</b>
Demand-Responsive	529,091	2,334	2.0	\$ 28.07	14.0%	\$37.36
<b>Light Rail (Blue, Orange, Green)</b>	<b>37,607,470</b>	<b>115,211</b>	<b>218.4</b>	<b>\$ 0.83</b>	<b>51.0%</b>	<b>\$2.03</b>
Light Rail (Silver)	31,749	380	38.7	\$ 8.07	8.8%	\$12.56
<b>System Totals</b>	<b>88,217,252</b>	<b>284,988</b>	<b>39.0</b>	<b>\$ 1.65</b>	<b>36.5%</b>	<b>\$2.89</b>

Note 1: City of Coronado subsidized fares for summer service on Route 904.

Note 2: SVCC fares and one-half of the subsidy are paid for by NCTD.

Note 3: SANDAG reimburses MTS for the net operating cost (operating cost less fare revenue) using TransNet funds for Routes 201/202, 204, 235, & 237.

Note 4: Routes 888, 891, 892, and 894 receive federal rural operating subsidy.



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Title VI Compliance							
The indicators below are required by the FTA to be monitored by and reported to the MTS Board. They measure the quantity and quality of service that MTS provides to minority and non-minority populations, as defined in FTA Circular 4702.1B (2012).The circular defines a minority route as, "a route that has at least 1/3 of its total revenue mileage in a Census block or block group, or traffic analysis zone(s) with a percentage of minority population that exceeds the percentage of minority population in the transit service area."							
Route Headway, On-Time Performance, and Passenger Load Factor							
Category/ Route (*Seasonal Changes)	Weekday Headway		Vehicle Load Factor (VLF)		Minority Route	Notes	On-Time Performance
	Peak	Base	Did 20% of trips exceed vehicle load factor? (Note 3)	What % of trips exceeded vehicle load factor. (Note 3)			
Rapid Express/Premium Express							
Goal	30 min.	n/a	1.00	20% Max			90%
280	15	-	-	-		-	75%
290	10	-	-	-		-	86%
Express							
Goal	30 min.	n/a	1.50	20% Max			90%
20	15/30	30	-	-		-	85%
50	15/30	60	-	-		-	85%
60	15/30	-	-	-		-	73%
110	20	-	-	-		-	90%
150	15/30	30	-	-		-	79%
870	75	-	-	-		VLF goal = 1.00 (minibus)	44%
950	10/20	30	-	-	✓	-	90%
Light Rail							
Goal	n/a	15 min.	3.00	20% Max			90%
Blue	7.5	15	-	-	✓	-	94%
Orange	15	15	-	-	✓	-	88%
Green	15	15	-	-		-	92%
Silver	30	30	-	-		Operates selected days only	97%
Rapid							
Goal	n/a	15 min.	1.50	20% Max			85%
201/202	10	15	-	-	✓	-	86%
204	15	15	-	-	✓	-	94%
215	10	15	-	-	✓	-	83%
235	15	30	-	-		-	84%
237	15/30	-	-	-	✓	-	86%
Urban Frequent							
Goal	n/a	15 min.	1.50	20% Max			85%
1	15	15	-	-	✓	-	79%
2	12	15	-	-	✓	-	89%
3	15	15	-	-	✓	-	79%
5	15	15	-	-	✓	-	81%
6	15	15	-	-		-	87%
7	6/12	12	-	-	✓	-	71%
8*	20	20	-	-		Summer headway = 15 min.	85%
9*	20	20	-	-		Summer headway = 15 min.	84%
10	15	15	-	-	✓	-	78%
11	15	15	-	-	✓	-	75%
13	15	15	-	-	✓	-	85%
30	15	15	-	-		-	83%
41	7.5/15	15	-	-		-	85%
44	7.5/15	15	-	-		-	82%
120	15	15	-	-		-	84%
701	15	15	-	-	✓	-	92%
709	15	15	-	-	✓	-	84%
712	15	15	-	-	✓	-	91%
901	15	30	-	-	✓	-	74%
906/907	15	15	-	-	✓	-	82%
929	12	15	-	-	✓	-	71%
932	15	15	-	-	✓	-	82%
933/934	15	15	-	-	✓	-	72%
955	15	15	-	-	✓	-	81%
961	15	15	-	-	✓	-	91%
992	15	15	-	-		-	79%

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Category/ Route (*Seasonal Changes)	Weekday Headway		Vehicle Load Factor (VLF)		Minority Route	Notes	On-Time Performance
	Peak	Base	Did 20% of trips exceed vehicle load factor? (Note 3)	What % of trips exceeded vehicle load factor. (Note 3)			
Urban Standard							
Goal	n/a	30 min.	1.50	20% Max			85%
4	30	30	-	-	✓	-	85%
14	60	60	-	-		VLF goal = 1.00 (minibus)	82%
27	30	30	-	-		-	85%
28	30	30	-	-	✓	-	91%
31	30	-	-	-		Operates peaks only	85%
35	15/30	30	-	-		-	90%
105	30	30	-	-		-	89%
115	30	30	-	-	✓	-	77%
703	-	60	-	-	✓	Operates Sundays only	78%
704	30	30	-	-	✓	-	86%
705	30	30	-	-	✓	-	94%
707	60	60	-	-	✓	-	83%
815	30	30	-	-	✓	-	72%
816	30	30	-	-		-	80%
832	30	30	-	-		-	80%
833	30	30	-	-		VLF goal = 1.00 (minibus)	74%
834	30	30	-	-		-	85%
848	30	30	-	-		-	83%
854	30	30	-	-		-	93%
855	30	30	-	-	✓	-	89%
856	30	30	-	-		-	76%
864	30	30	-	-	✓	-	74%
871/872	30	30	-	-		-	75%
874/875	30	30	-	-		-	79%
905	15	30	-	-	✓	-	74%
916/917	30	60	-	-	✓	-	78%
921	30	30	-	-	✓	-	87%
923	30	30	-	-		-	82%
928	30	30	-	-		-	85%
936	30	30	-	-	✓	-	77%
944	30	30	-	-		VLF goal = 1.00 (minibus)	84%
945	30	30	-	-		VLF goal = 1.00 (minibus)	91%
962	30	30	-	-	✓	-	84%
963	30	30	-	-	✓	-	87%
967	60	60	-	-	✓	-	92%
968	60	60	-	-	✓	-	89%
Circulator							
Goal	n/a	60 min.	1.00	20% Max			90%
18	30	30	-	-		-	86%
25	60	60	-	-		-	58%
83	60	60	-	-		-	-
84	60	60	-	-		-	73%
88	30	30	-	-		-	74%
851	60	60	-	-		-	84%
904*	30	30	-	-	✓	-	74%
964	30	30	-	-	✓	-	71%
965	35-40	35-40	-	-	✓	-	82%

**San Diego Metropolitan Transit System**  
**POLICY 42 TITLE VI MONITORING REPORT**  
**FY 2017: JULY 2016 - JUNE 2017**  
**Page 3 of 3**

Category/ Route (*Seasonal Changes)	Weekday Headway		Vehicle Load Factor (VLF)		Minority Route	Notes	On-Time Performance
	Peak	Base	Did 20% of trips exceed vehicle load factor? (Note 3)	What % of trips exceeded vehicle load factor. (Note 3)			
Circulator (SVCC) (Note 1)							
Goal	60 min.	n/a	1.00	20% Max			90%
972	~30	-	-	-	✓	-	-
973	~30	-	-	-	✓	-	-
978	~30	-	-	-	✓	-	-
979	~30	-	-	-	✓	-	-
Rural (Note 2)							
Goal	n/a	n/a	n/a	n/a			n/a
888	-	-	-	-		-	-
891	-	-	-	-		-	-
892	-	-	-	-		-	-
894	-	-	-	-	✓	-	-

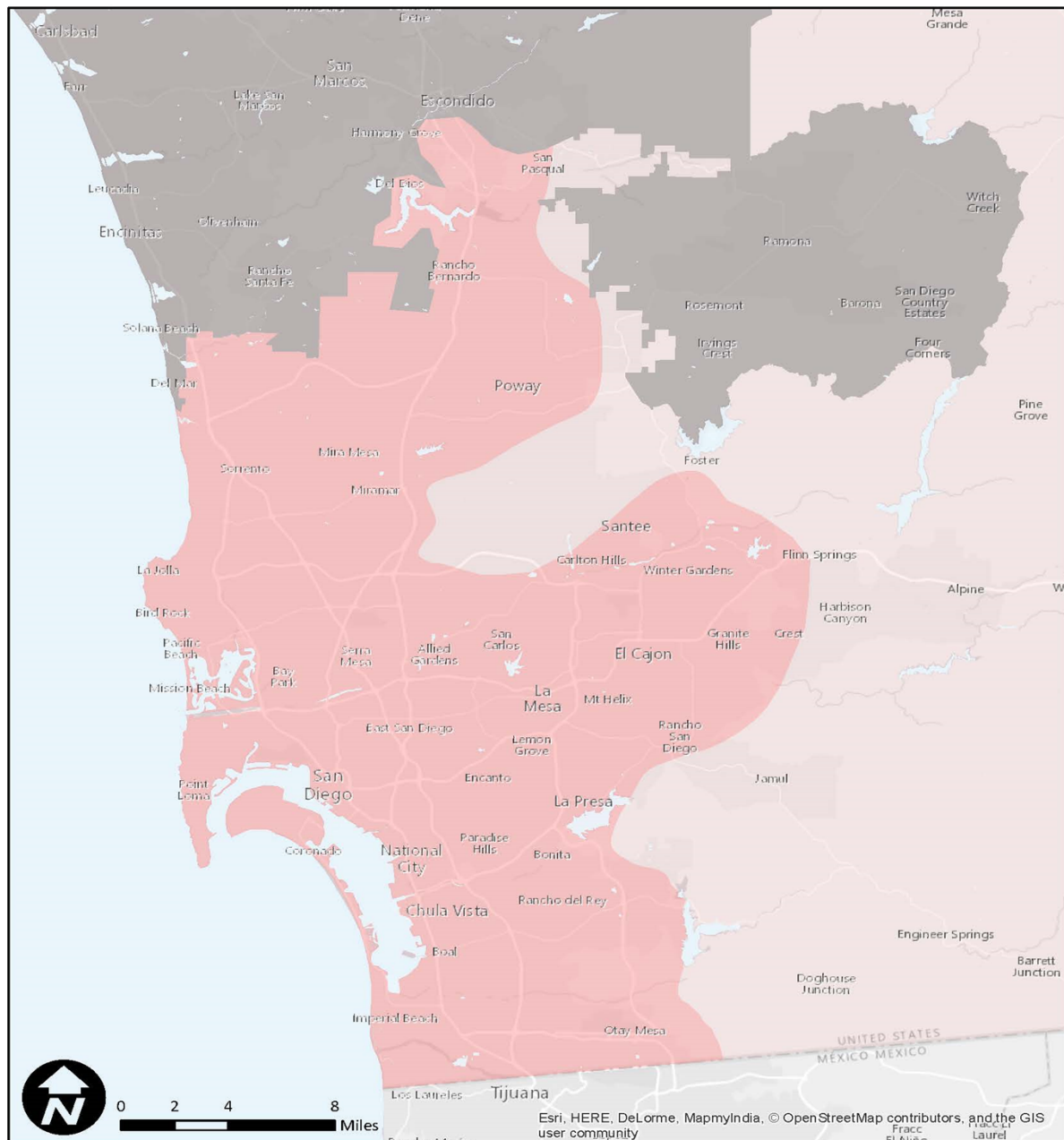
Note 1: Routes 972, 973, 978, are 979 are timed to the COASTER schedule and wait for passengers to transfer from the COASTER. Trips with an overflow of passengers use an additional standby bus located at the COASTER station.

Note 2: Rural & Demand Response services have no specific Policy 42 goals for on-time performance, headway, or vehicle load.

Note 3: No route exceeded the 20% vehicle load factor.

<b>Service Availability</b>		
Goal	Actual	
80% of residents or jobs within ½ mile of a bus stop or rail station in urban area	% of residents within 1/2 mile of a bus stop or rail station in urban	% of jobs within 1/2 mile of a bus stop or
	94.0%	90.5%
100% of suburban residences within 5 miles of a bus stop or rail station.	% of suburban residents within 5 miles of a bus stop or rail station:	
	99.9%	
One return trip at least 2 days/week to destinations from rural villages (defined as Lakeside and Alpine).	Available Service:	
	Route 848 serves Lakeside seven days a week and Route 864 serves Alpine seven days a week.	

See attached map entitled 'Metropolitan Transit System Area of Jurisdiction.'



# **MTS Area of Jurisdiction** **October 2016**

- MTS Service Area**
- MTS Rural Service Area**
- NCTD Service Area**



## APPENDIX E

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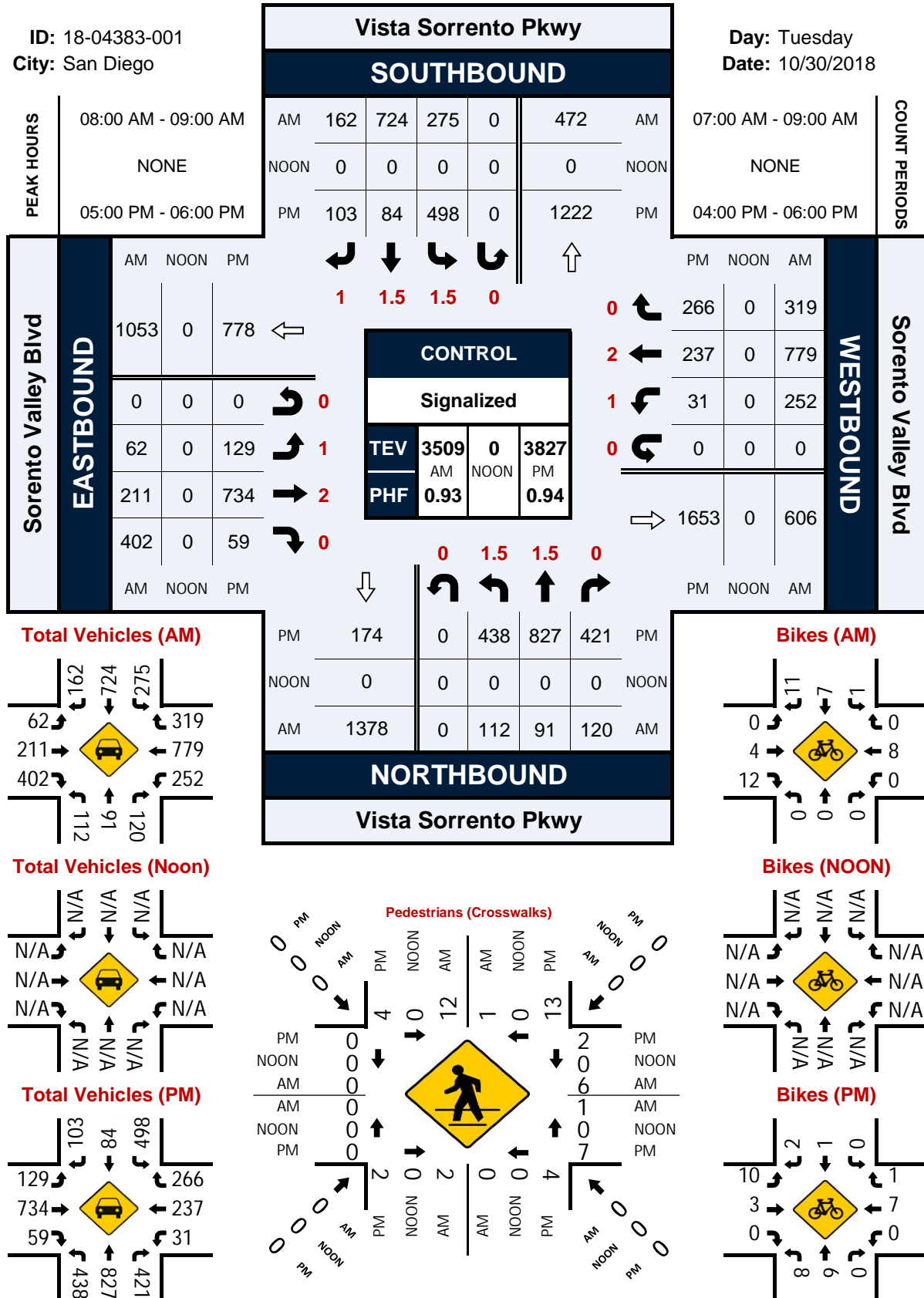
### TRAFFIC COUNT SHEETS

## Vista Sorrento Pkwy &amp; Sorrento Valley Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-001  
City: San Diego

Day: Tuesday  
Date: 10/30/2018

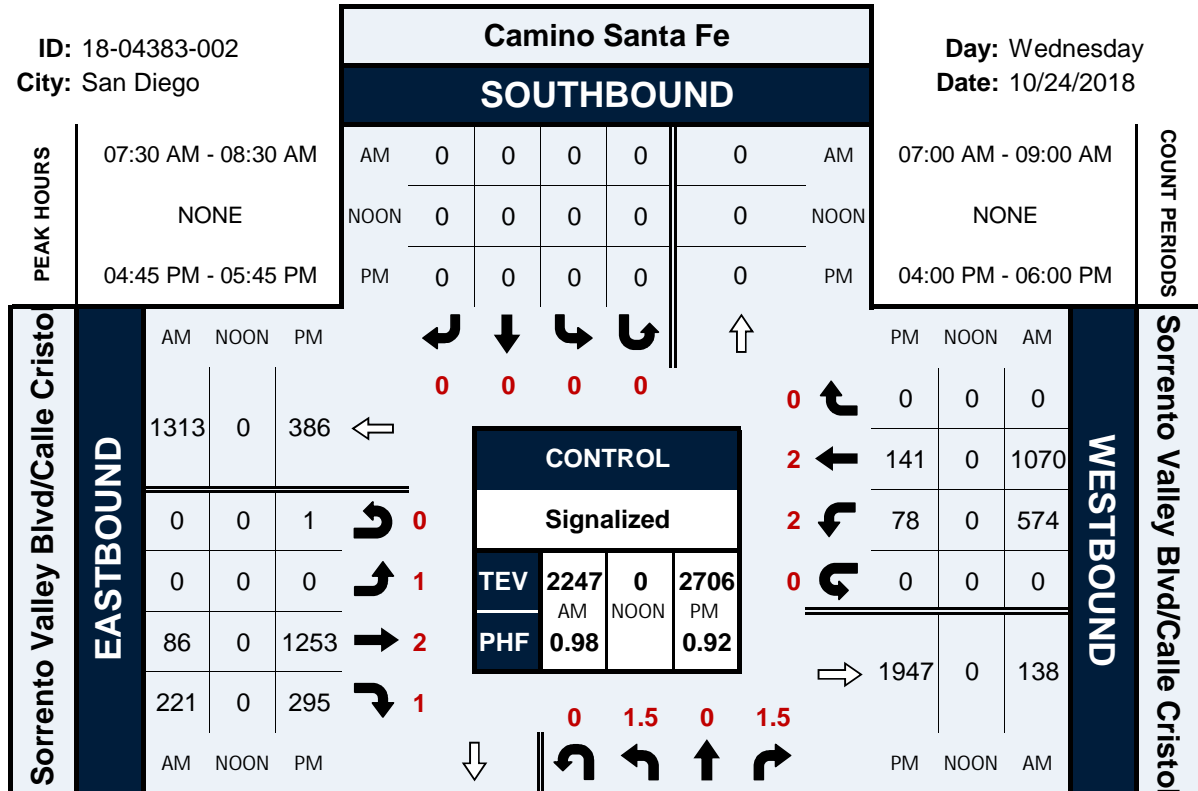


## Camino Santa Fe &amp; Sorrento Valley Blvd/Calle Cristobal

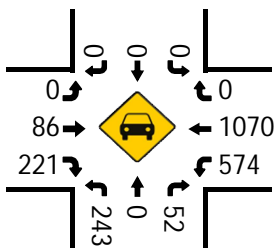
## Peak Hour Turning Movement Count

ID: 18-04383-002  
City: San Diego

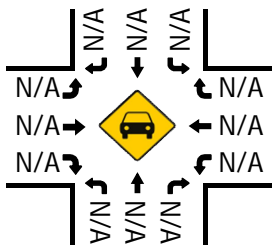
Day: Wednesday  
Date: 10/24/2018



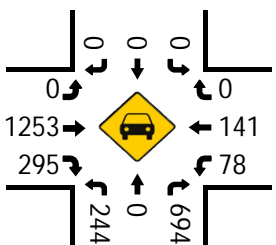
Total Vehicles (AM)



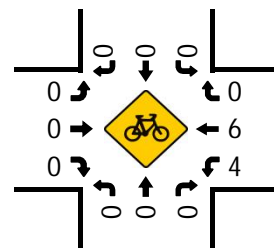
Total Vehicles (Noon)



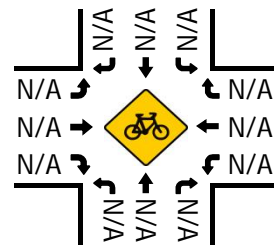
Total Vehicles (PM)



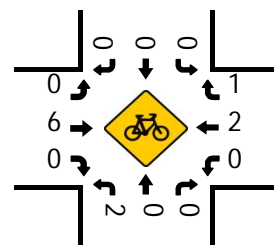
Bikes (AM)



Bikes (Noon)

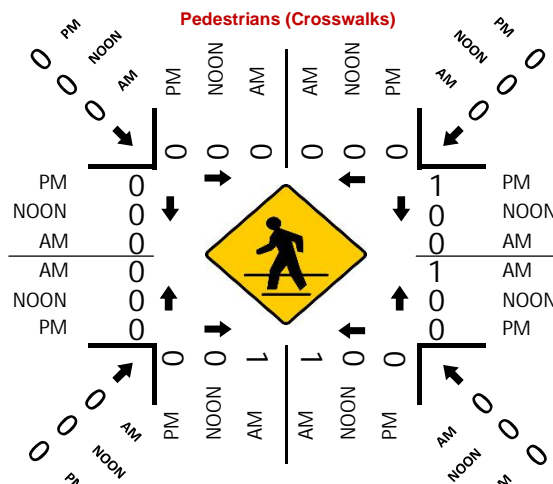


Bikes (PM)



## NORTHBOUND

## Camino Santa Fe

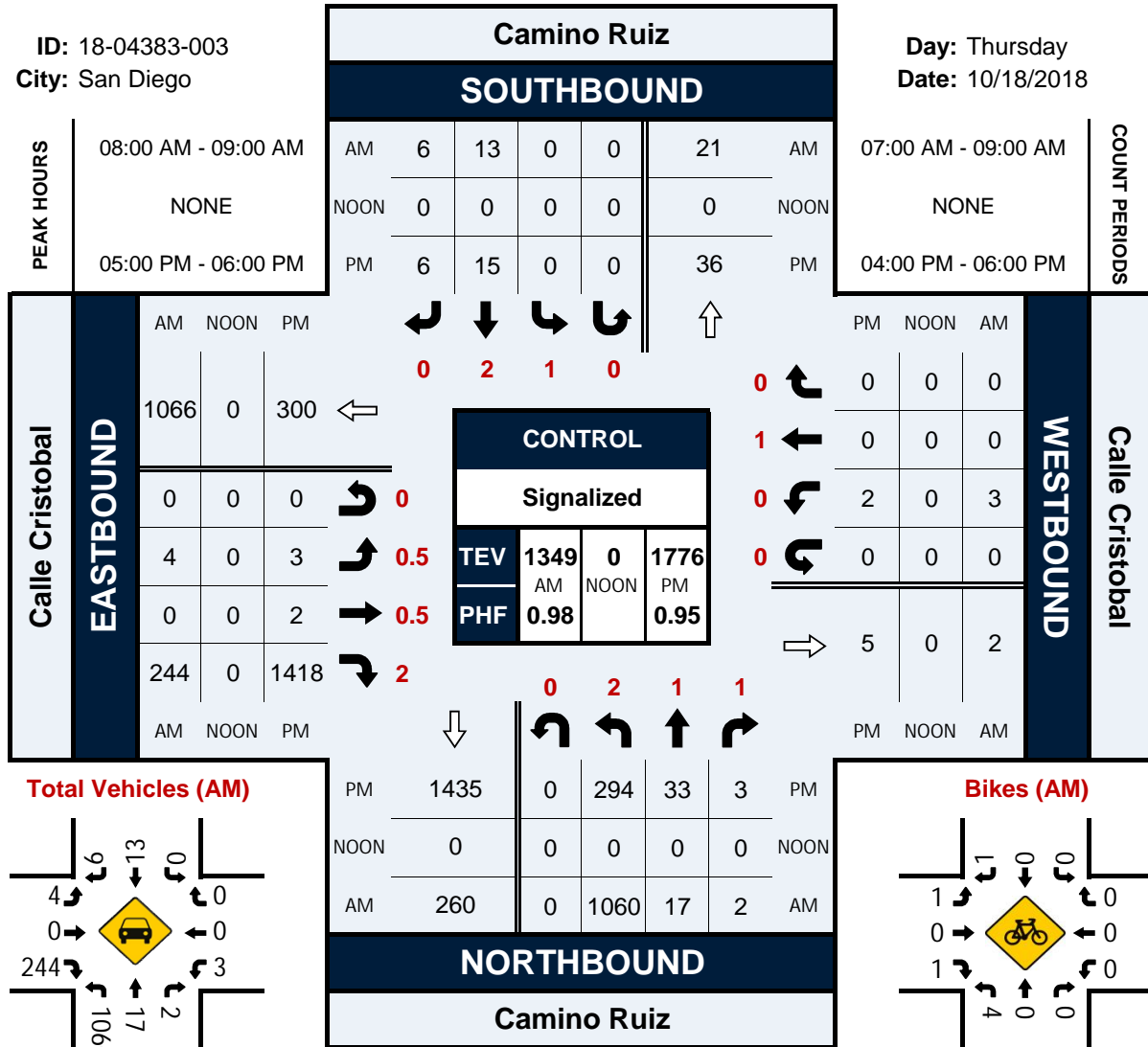


## Camino Ruiz &amp; Calle Cristobal

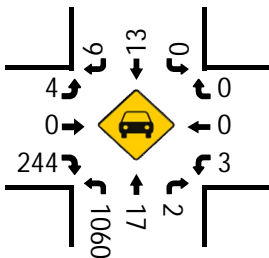
## Peak Hour Turning Movement Count

ID: 18-04383-003  
City: San Diego

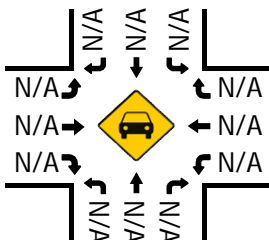
Day: Thursday  
Date: 10/18/2018



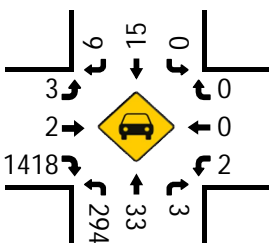
Total Vehicles (AM)



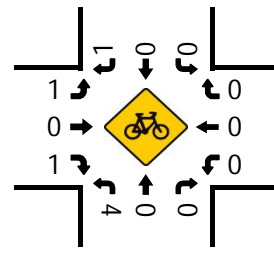
Total Vehicles (Noon)



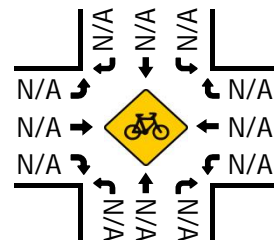
Total Vehicles (PM)



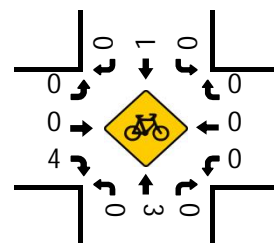
Bikes (AM)



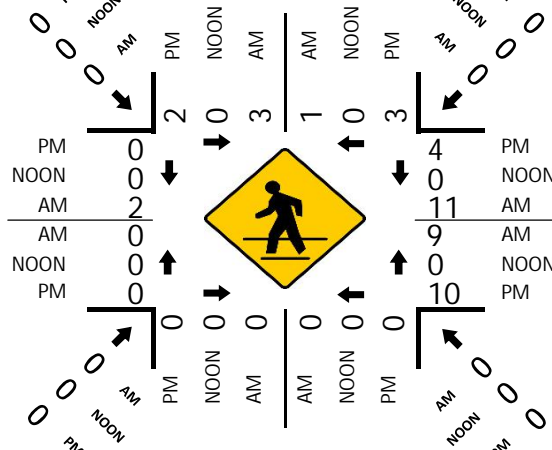
Bikes (Noon)



Bikes (PM)



Pedestrians (Crosswalks)



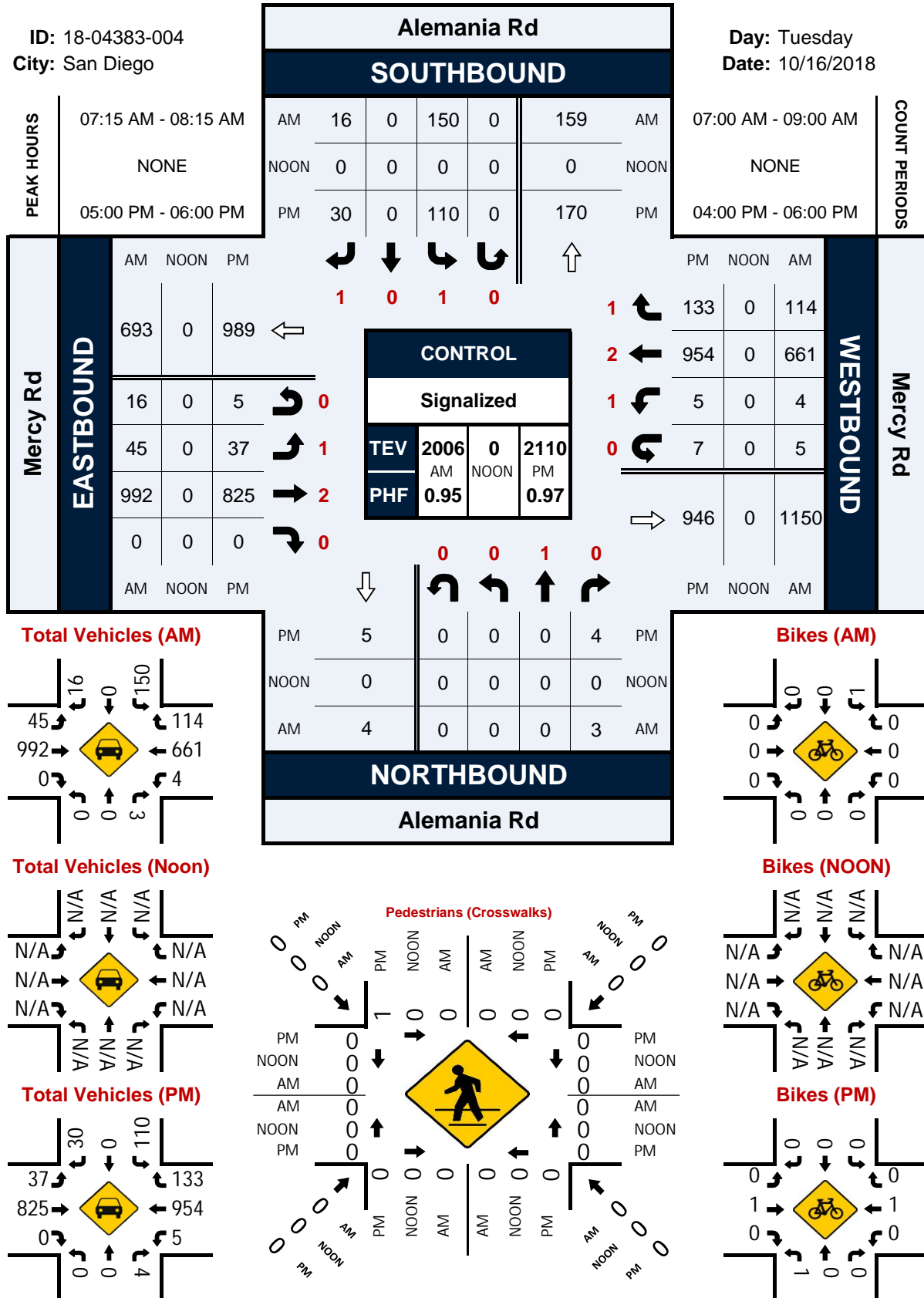


## Alemania Rd &amp; Mercy Rd

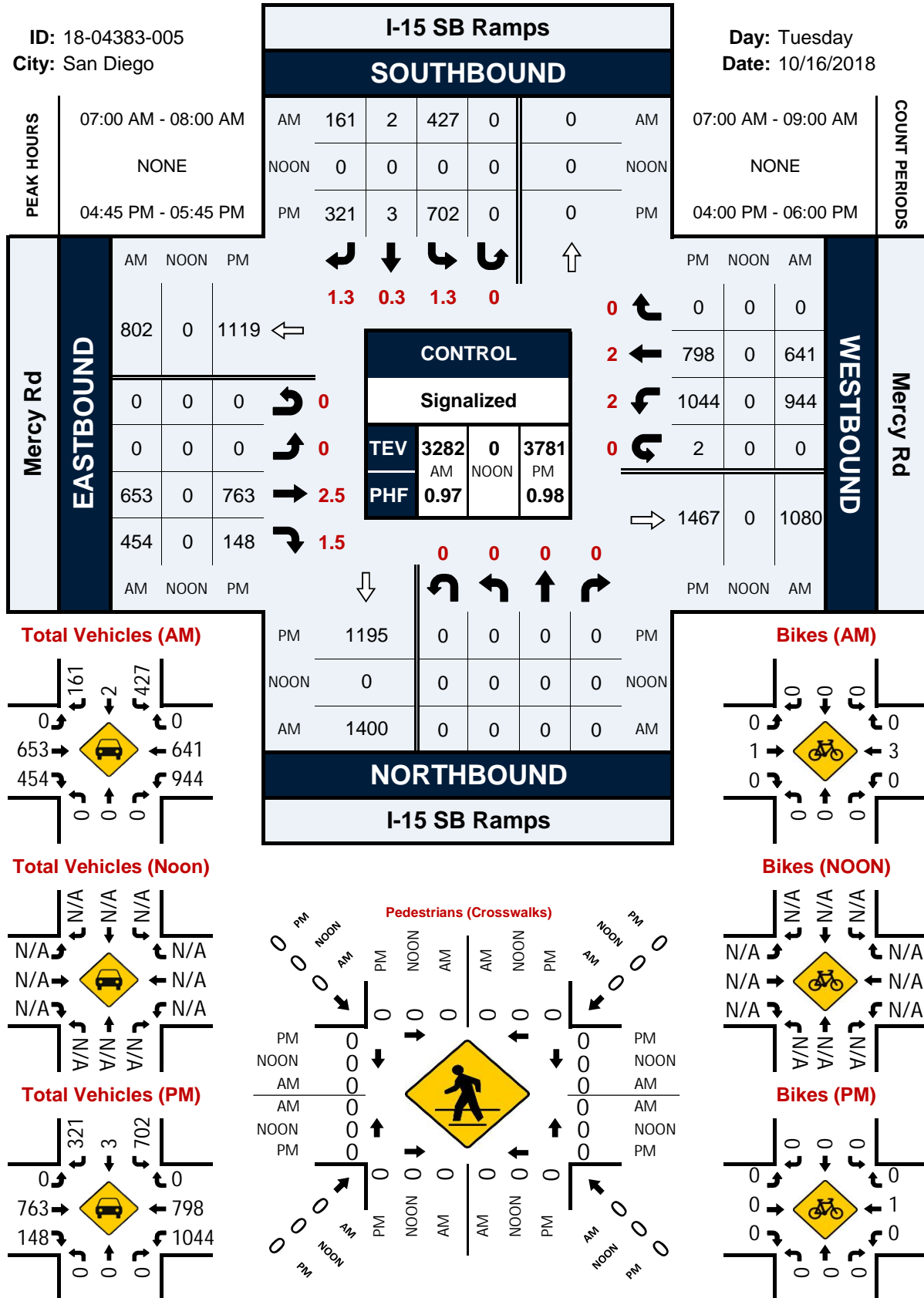
## Peak Hour Turning Movement Count

ID: 18-04383-004  
City: San Diego

Day: Tuesday  
Date: 10/16/2018



**Day:** Tuesday  
**Date:** 10/16/2018

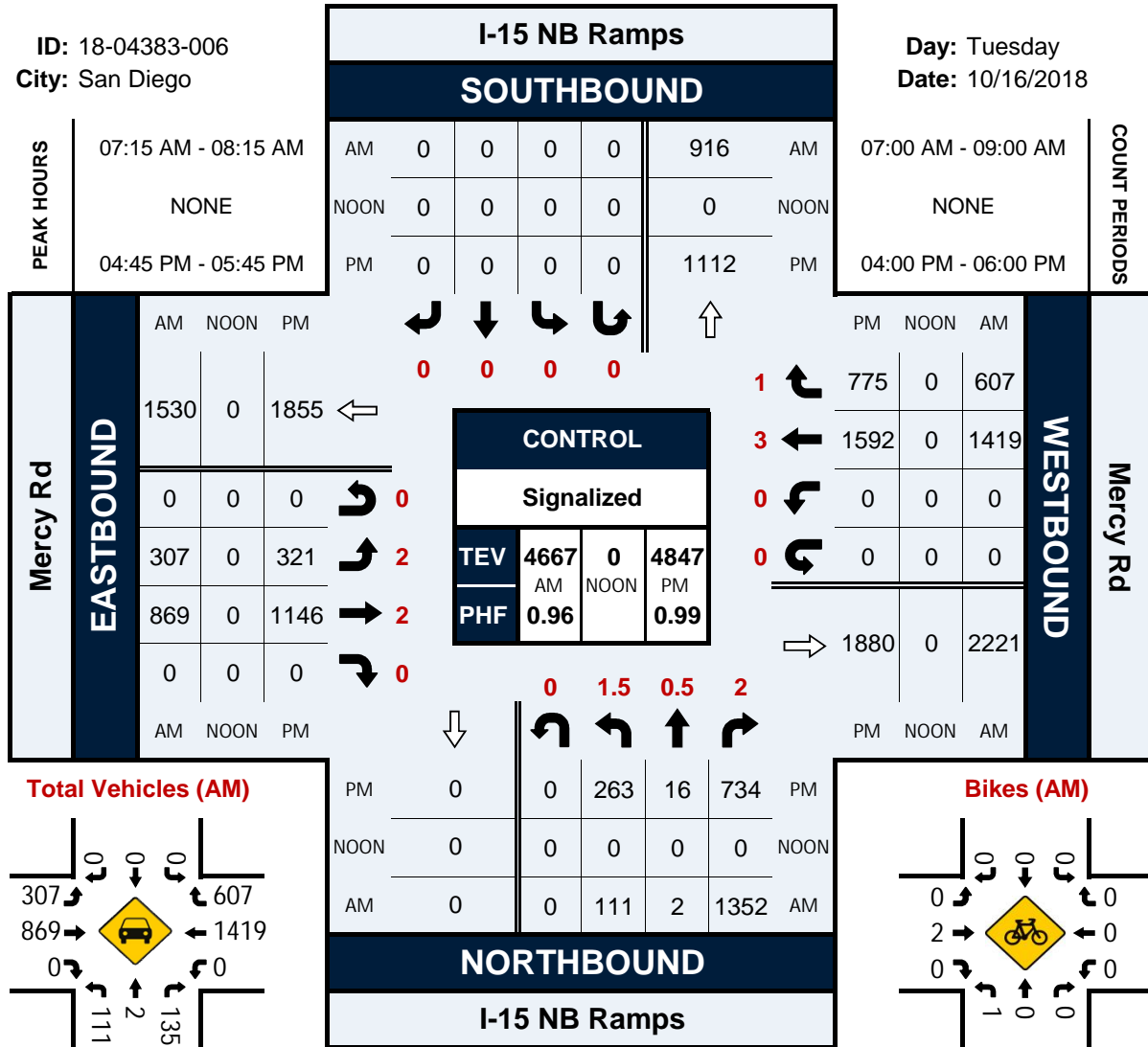


## I-15 NB Ramps &amp; Mercy Rd

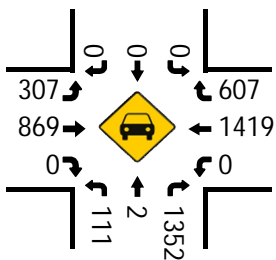
## Peak Hour Turning Movement Count

ID: 18-04383-006  
City: San Diego

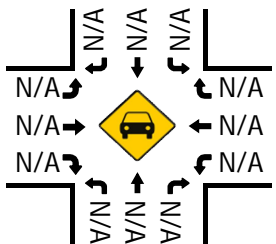
Day: Tuesday  
Date: 10/16/2018



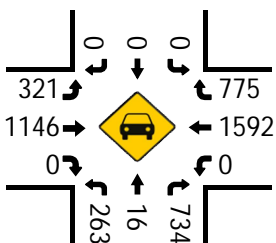
Total Vehicles (AM)



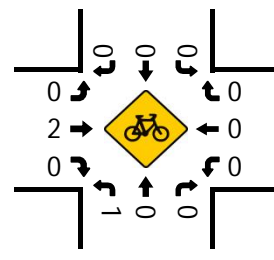
Total Vehicles (Noon)



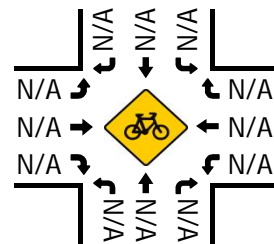
Total Vehicles (PM)



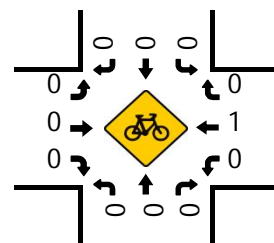
Bikes (AM)



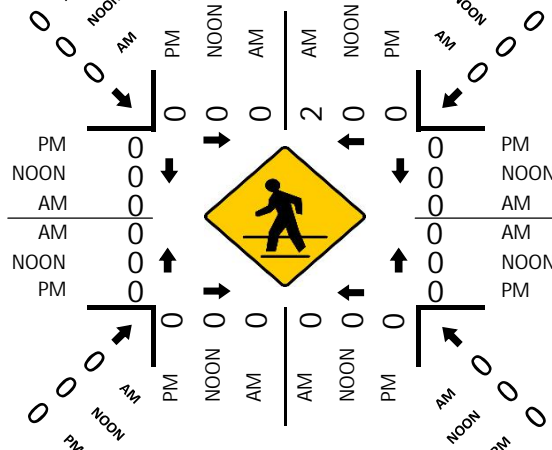
Bikes (Noon)



Bikes (PM)



Pedestrians (Crosswalks)

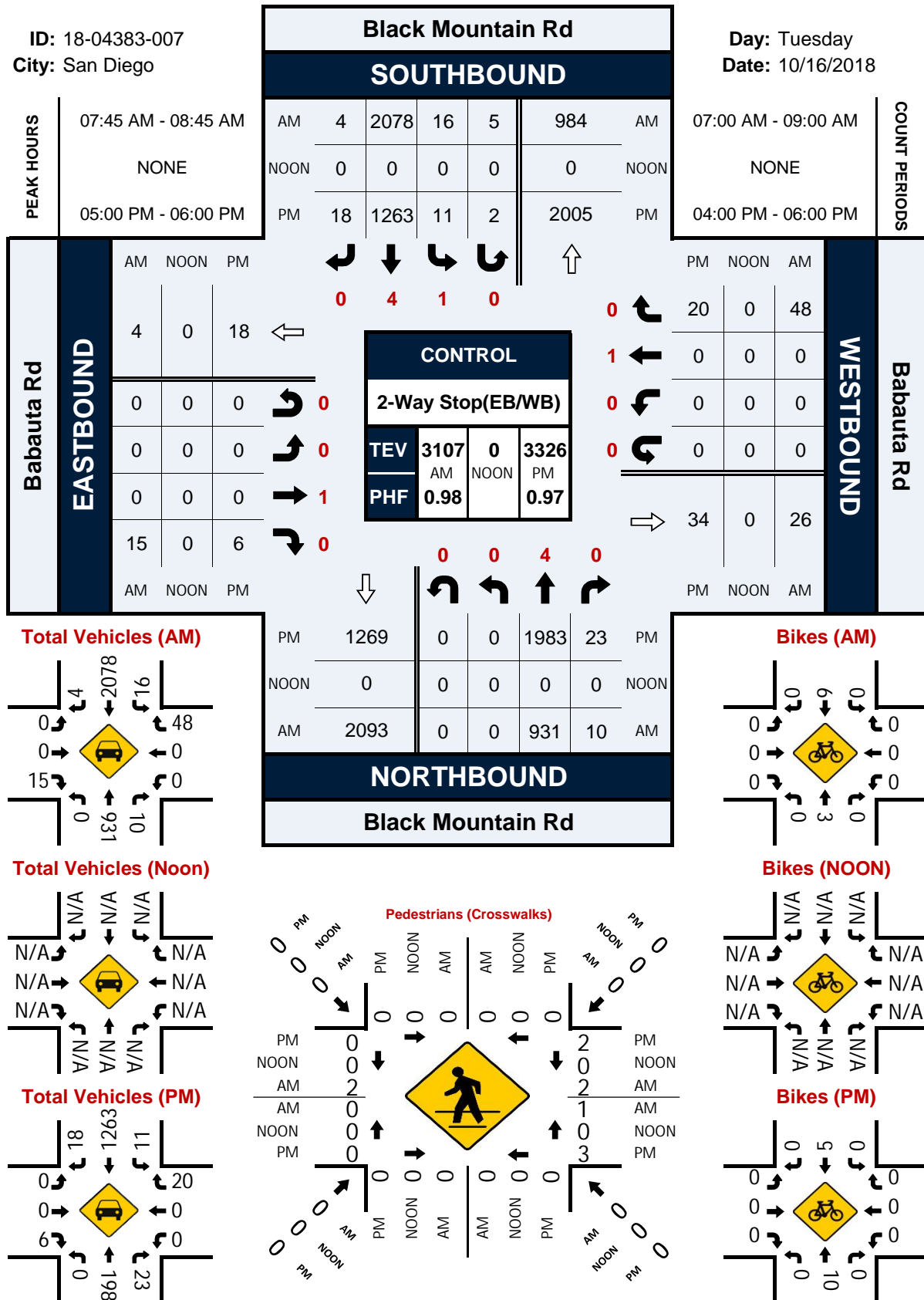


## Black Mountain Rd &amp; Babauta Rd

## Peak Hour Turning Movement Count

ID: 18-04383-007  
City: San Diego

Day: Tuesday  
Date: 10/16/2018



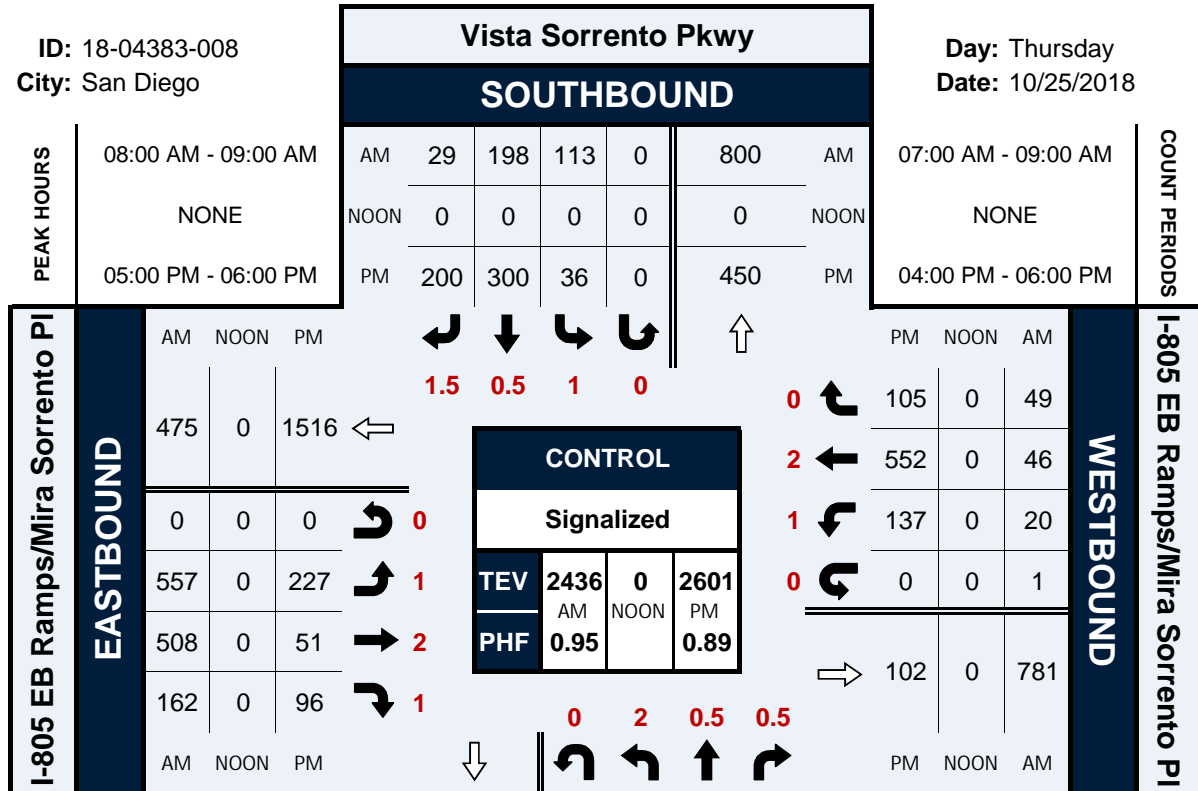


## Vista Sorrento Pkwy &amp; I-805 EB Ramps/Mira Sorrento PI

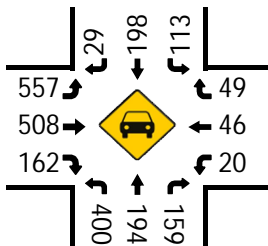
## Peak Hour Turning Movement Count

ID: 18-04383-008  
City: San Diego

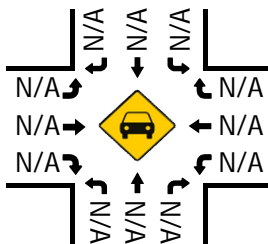
Day: Thursday  
Date: 10/25/2018



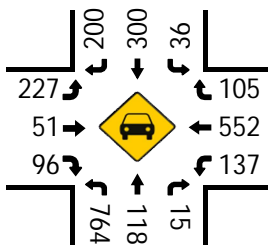
Total Vehicles (AM)



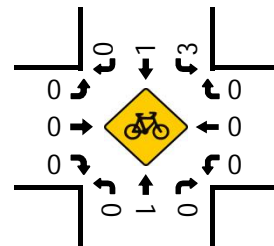
Total Vehicles (Noon)



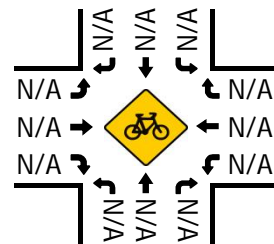
Total Vehicles (PM)



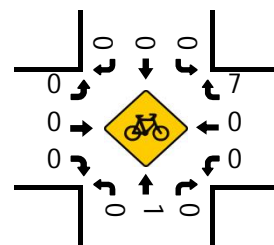
Bikes (AM)



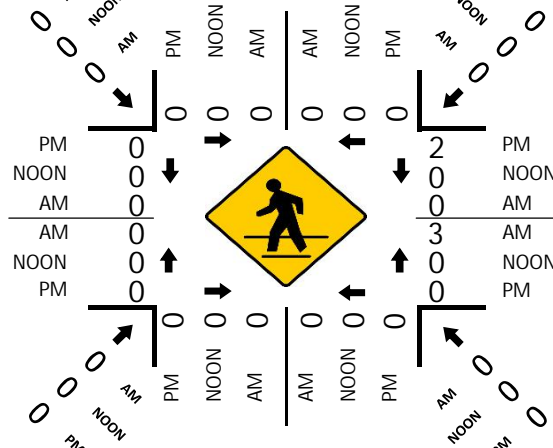
Bikes (Noon)



Bikes (PM)



Pedestrians (Crosswalks)

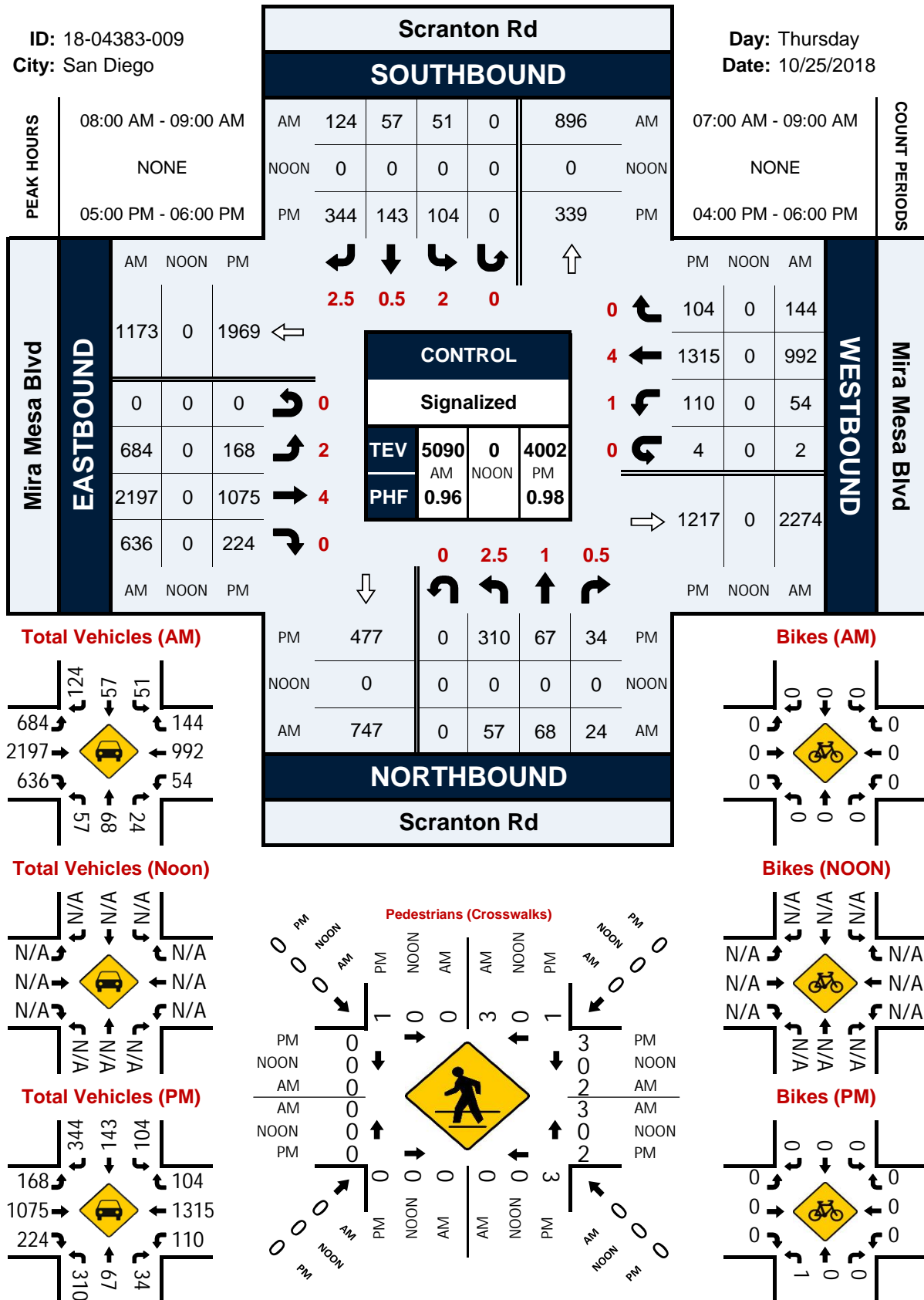


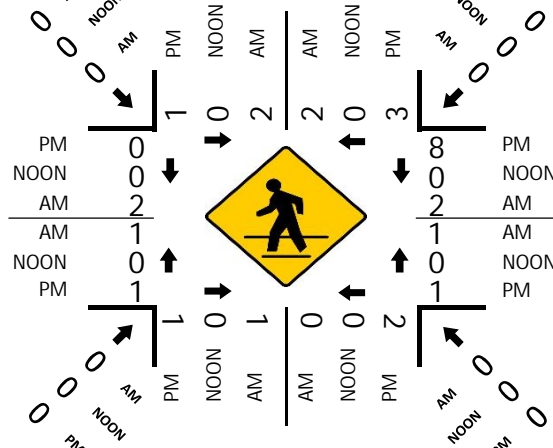
## Scranton Rd &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-009  
City: San Diego

Day: Thursday  
Date: 10/25/2018



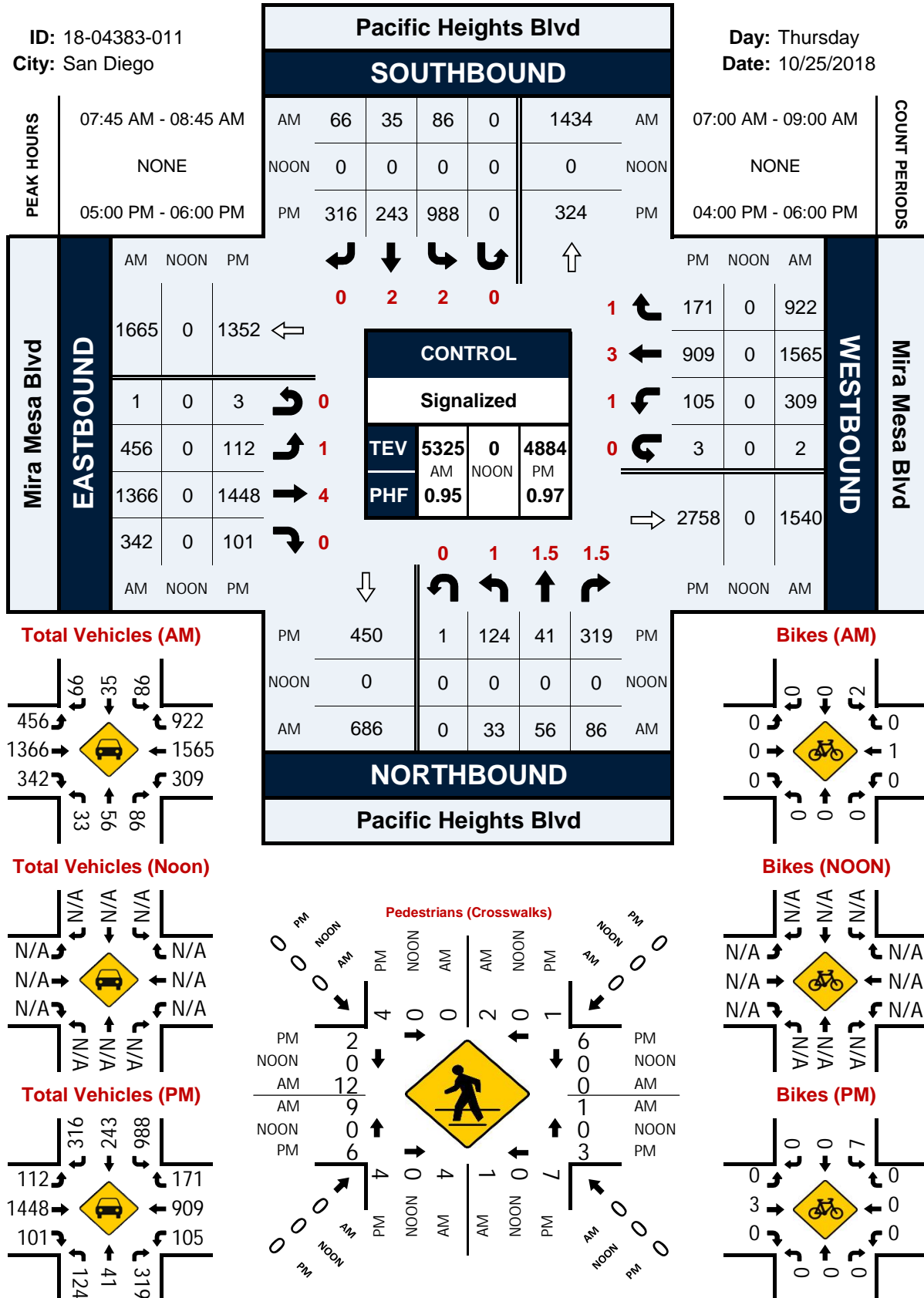


## Pacific Heights Blvd &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-011  
City: San Diego

Day: Thursday  
Date: 10/25/2018

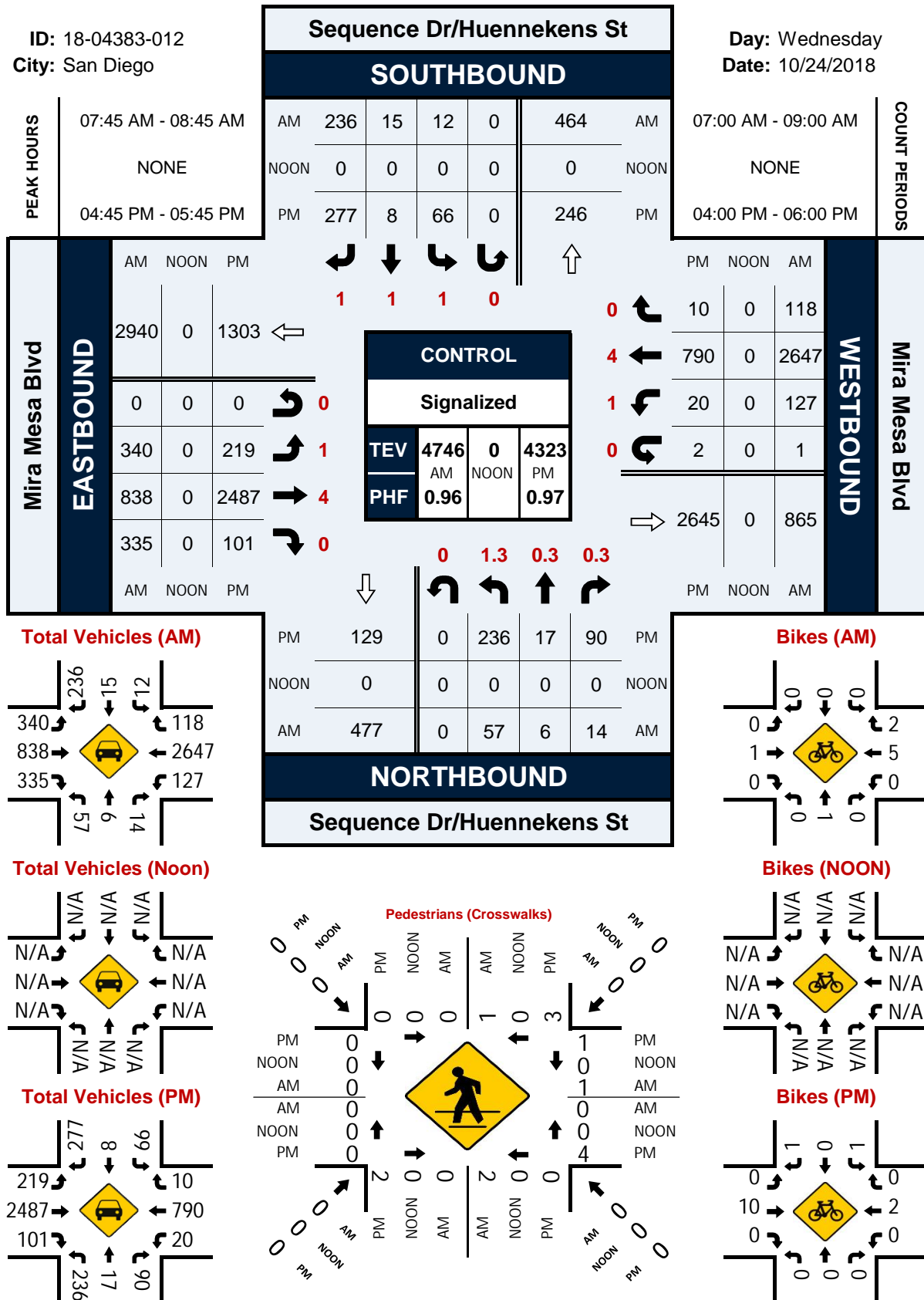


## Sequence Dr/Huennekens St &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-012  
City: San Diego

Day: Wednesday  
Date: 10/24/2018



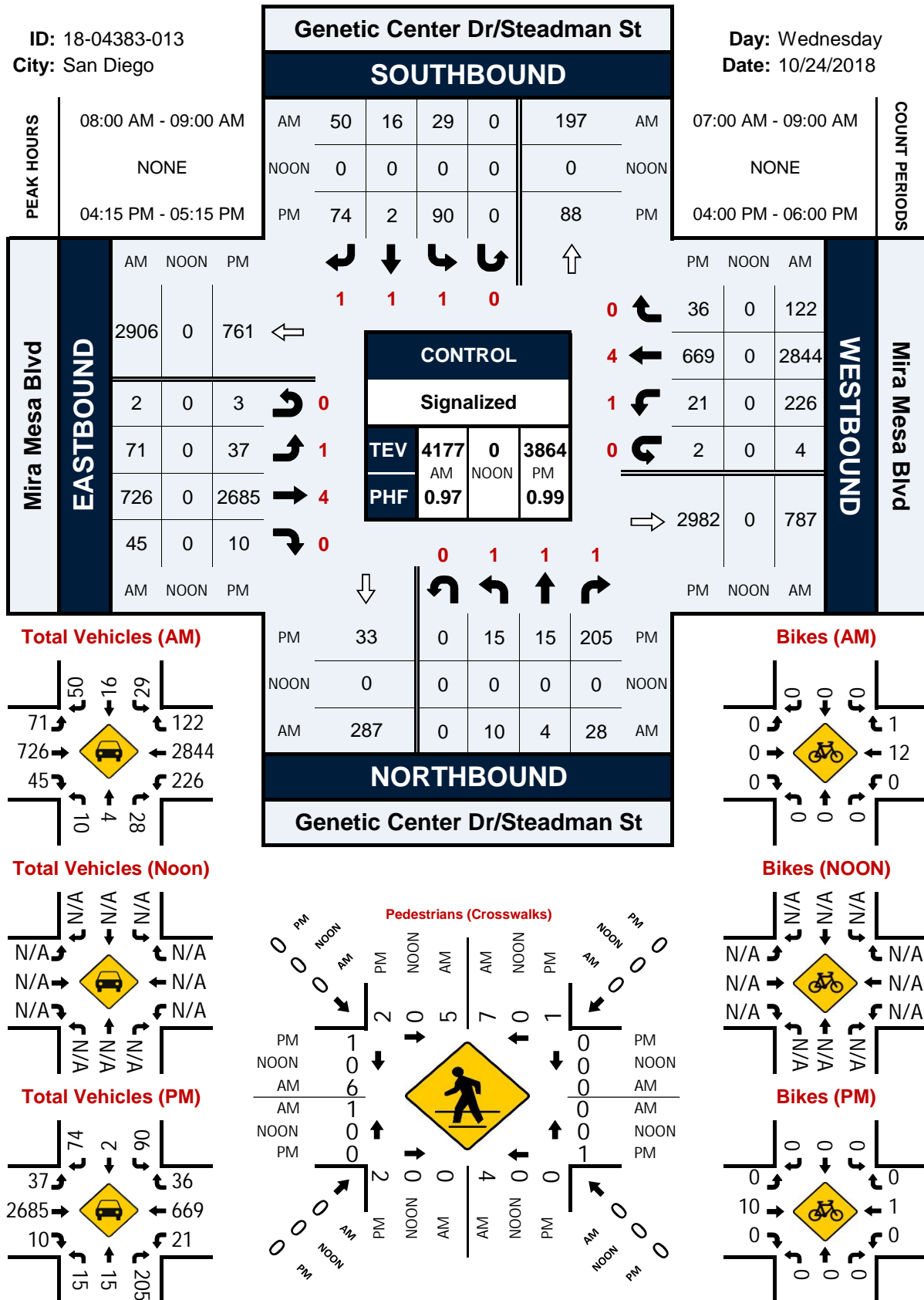


## Genetic Center Dr/Steadman St &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-013  
City: San Diego

Day: Wednesday  
Date: 10/24/2018

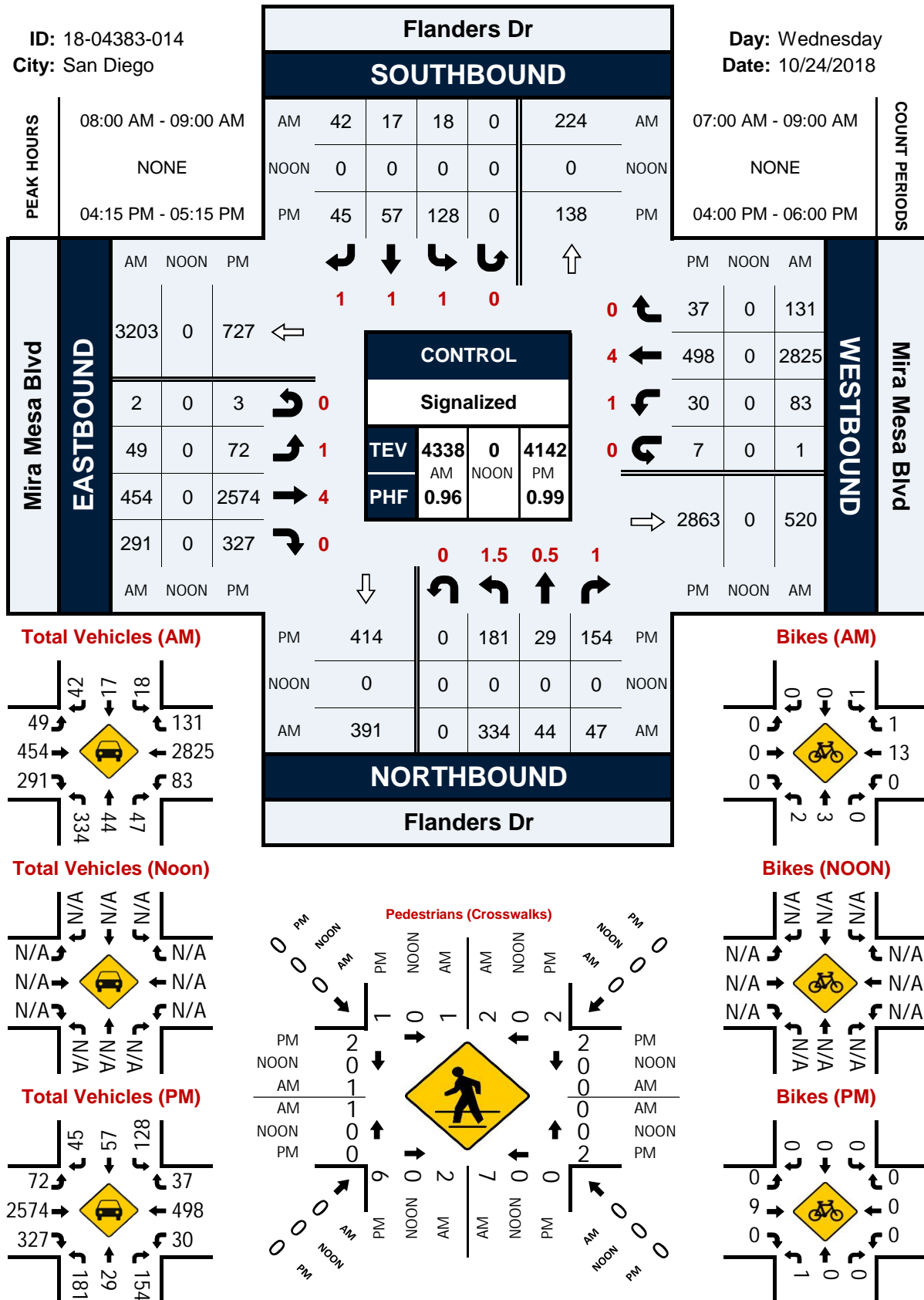


## Flanders Dr &amp; Mira Mesa Blvd

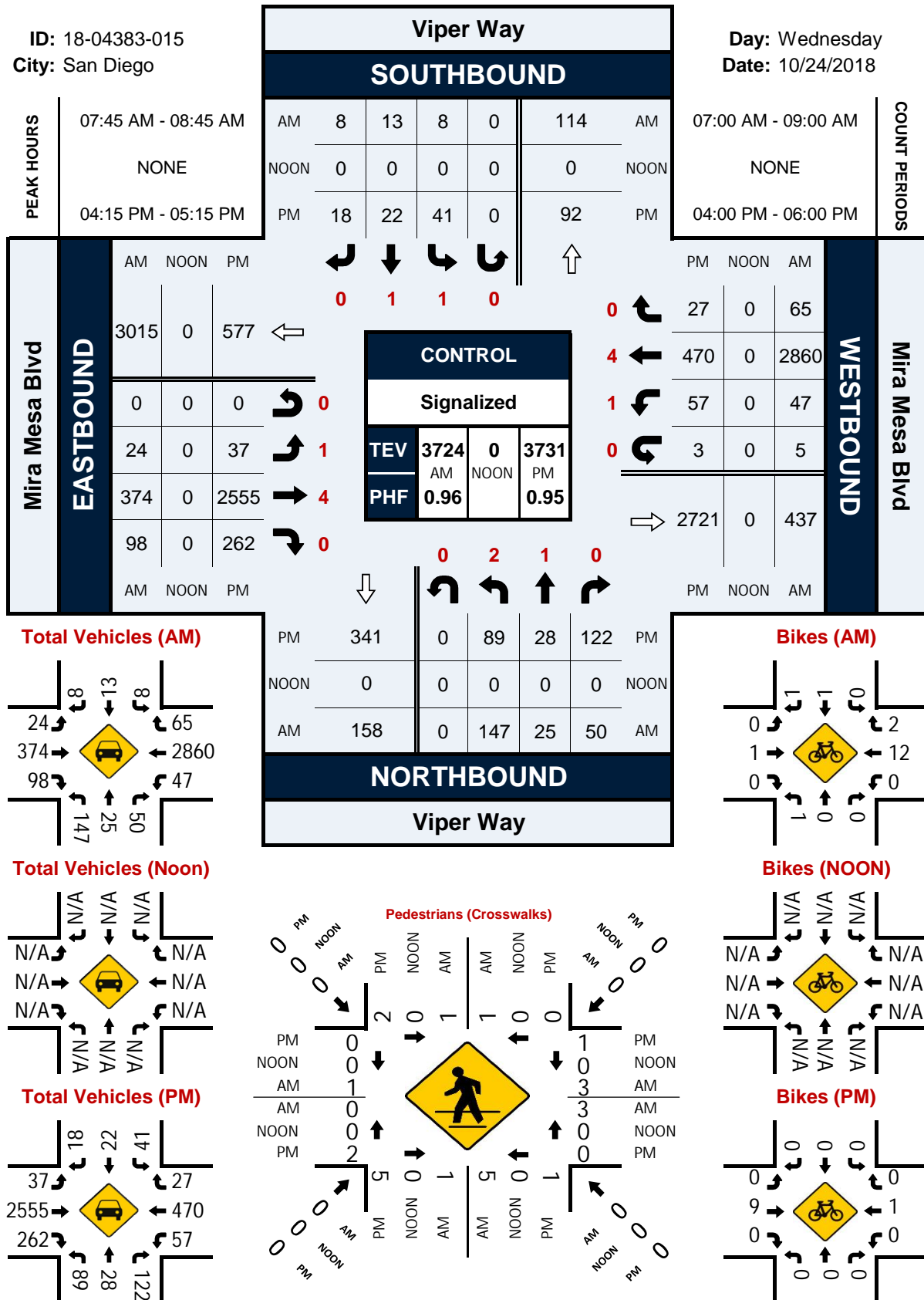
## Peak Hour Turning Movement Count

ID: 18-04383-014  
City: San Diego

Day: Wednesday  
Date: 10/24/2018



**Day:** Wednesday  
**Date:** 10/24/2018

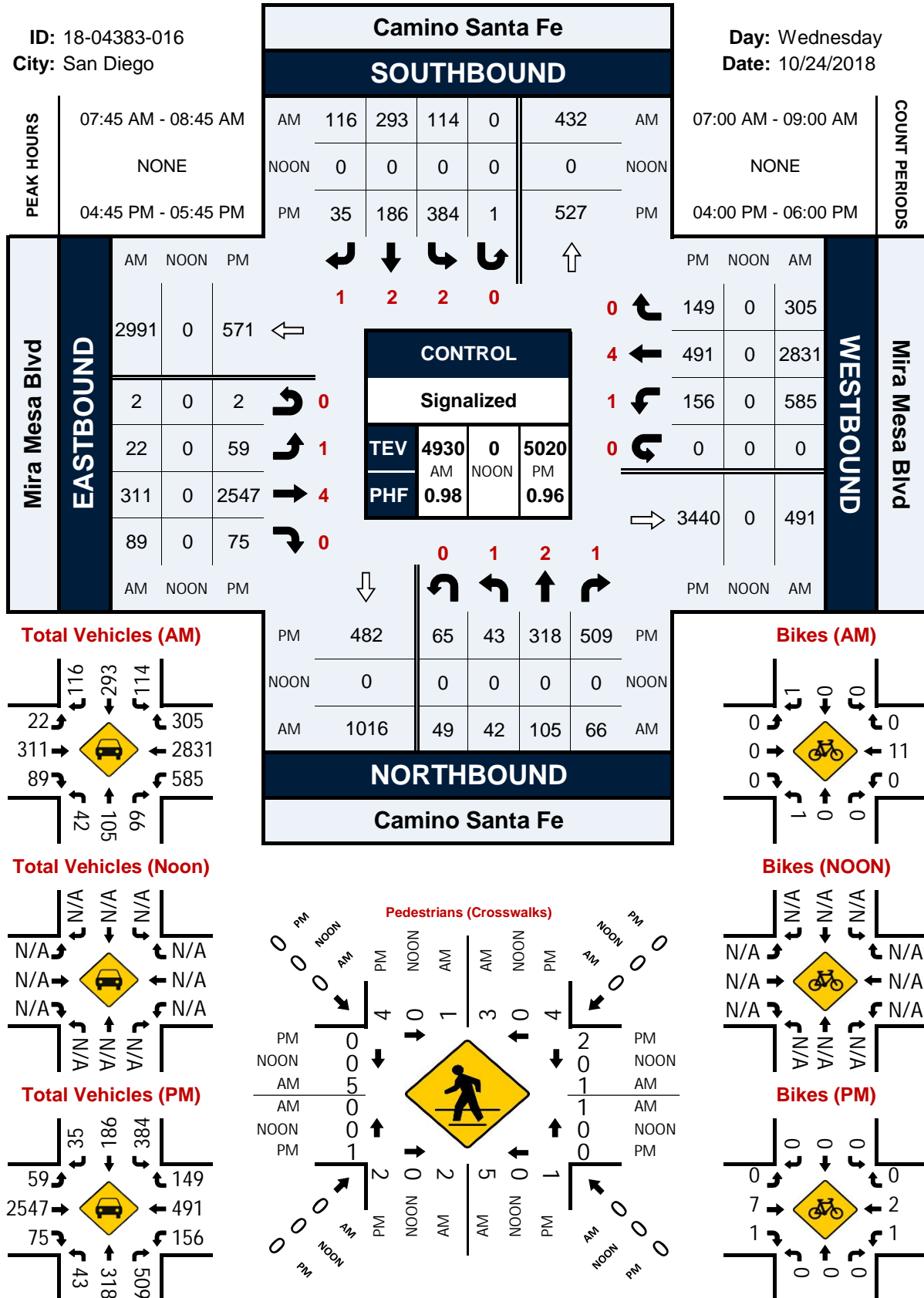


## Camino Santa Fe &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-016  
City: San Diego

Day: Wednesday  
Date: 10/24/2018

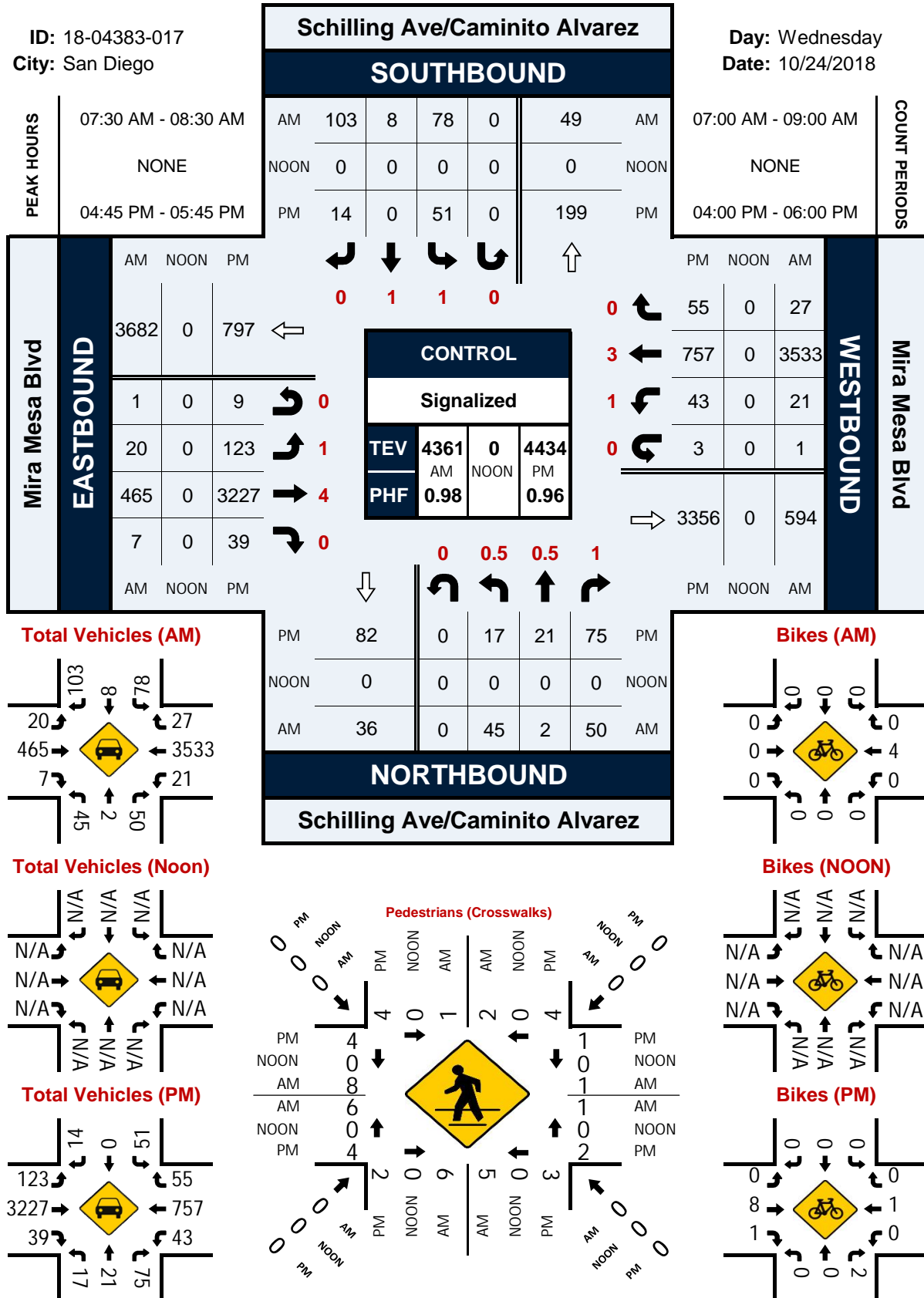


## Schilling Ave/Caminito Alvarez &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-017  
City: San Diego

Day: Wednesday  
Date: 10/24/2018



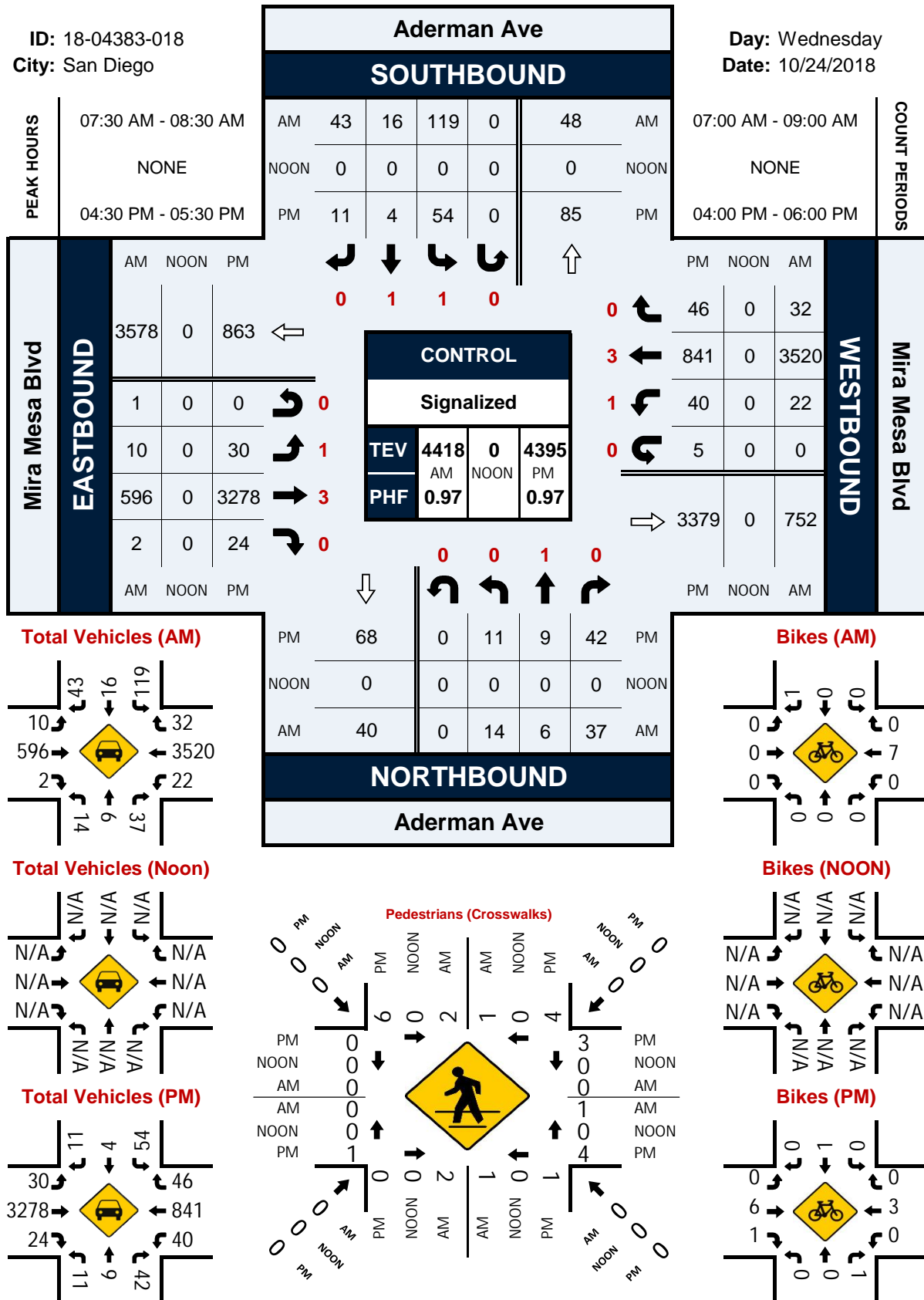


## Aderman Ave &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-018  
City: San Diego

Day: Wednesday  
Date: 10/24/2018

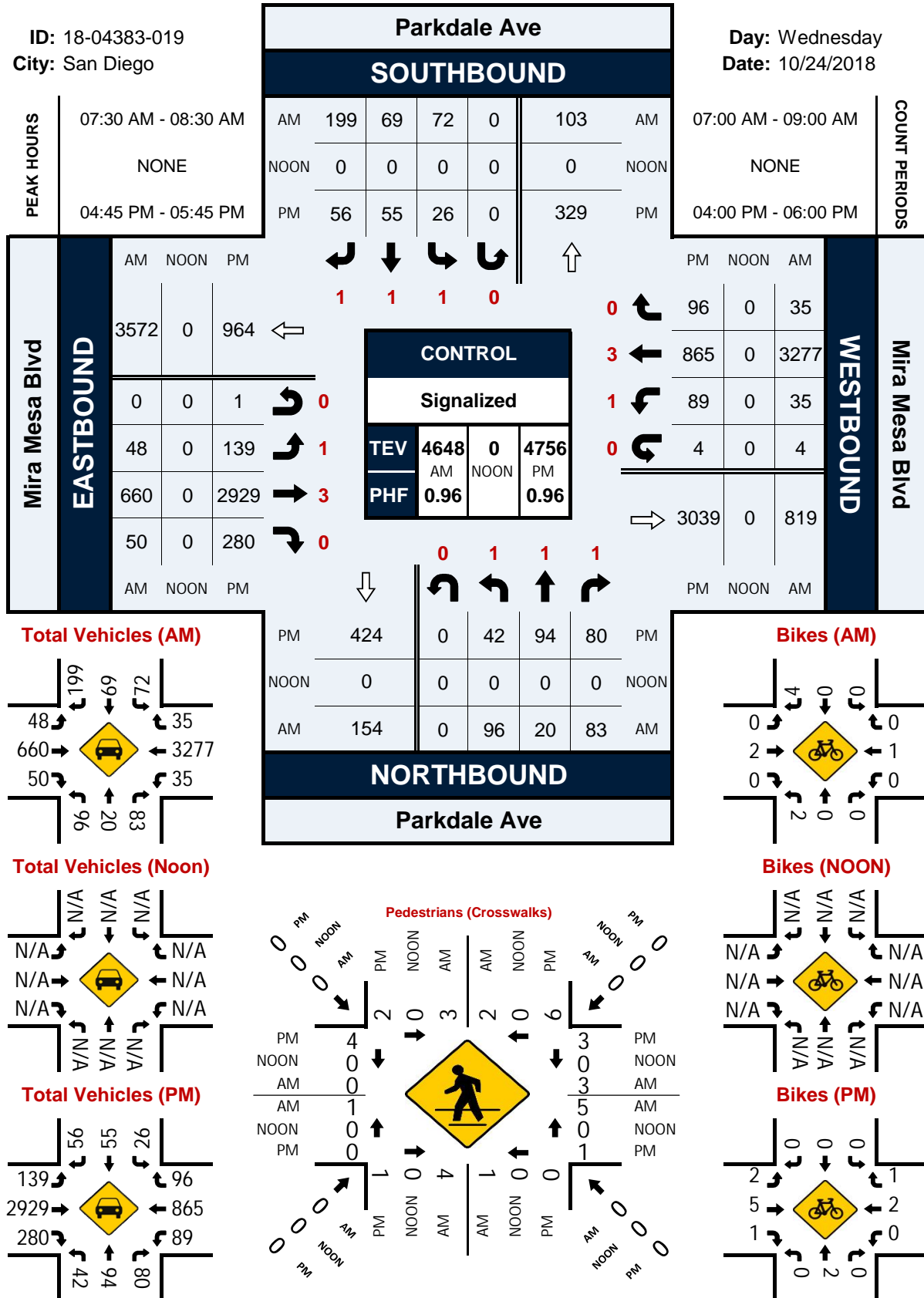


## Parkdale Ave &amp; Mira Mesa Blvd

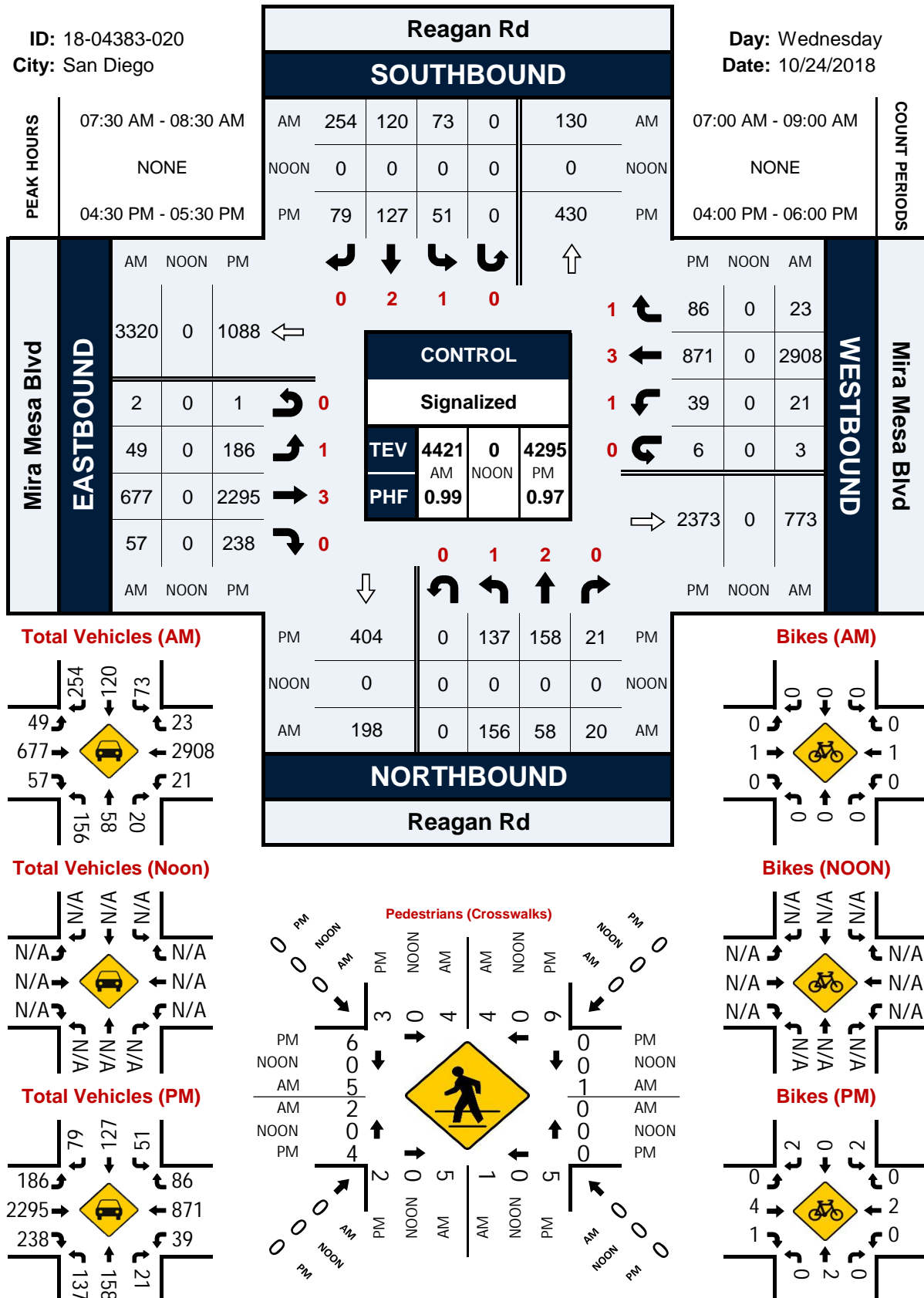
## Peak Hour Turning Movement Count

ID: 18-04383-019  
City: San Diego

Day: Wednesday  
Date: 10/24/2018



**Day:** Wednesday  
**Date:** 10/24/2018

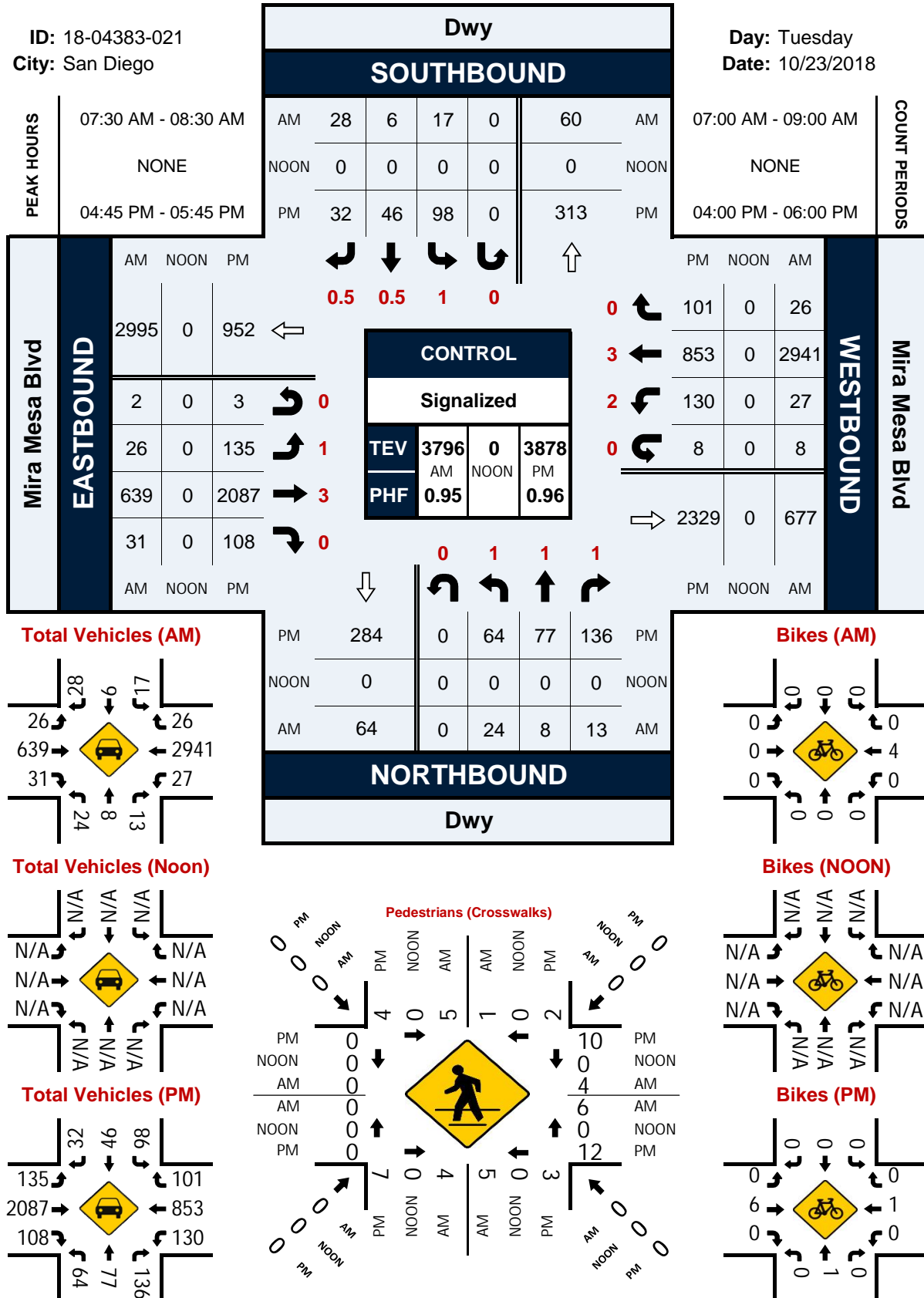


## Dwy &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-021  
City: San Diego

Day: Tuesday  
Date: 10/23/2018

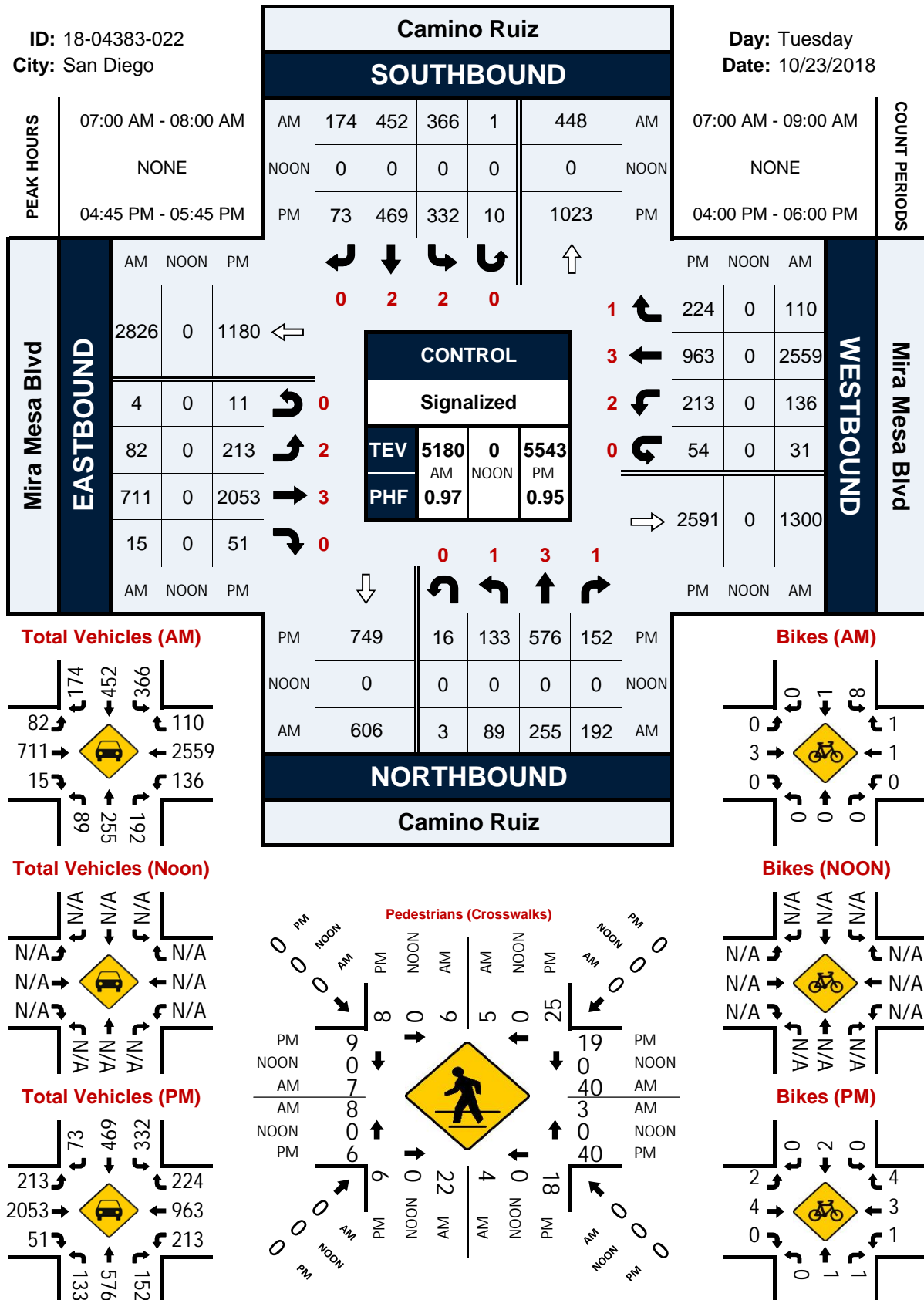


## Camino Ruiz &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-022  
City: San Diego

Day: Tuesday  
Date: 10/23/2018



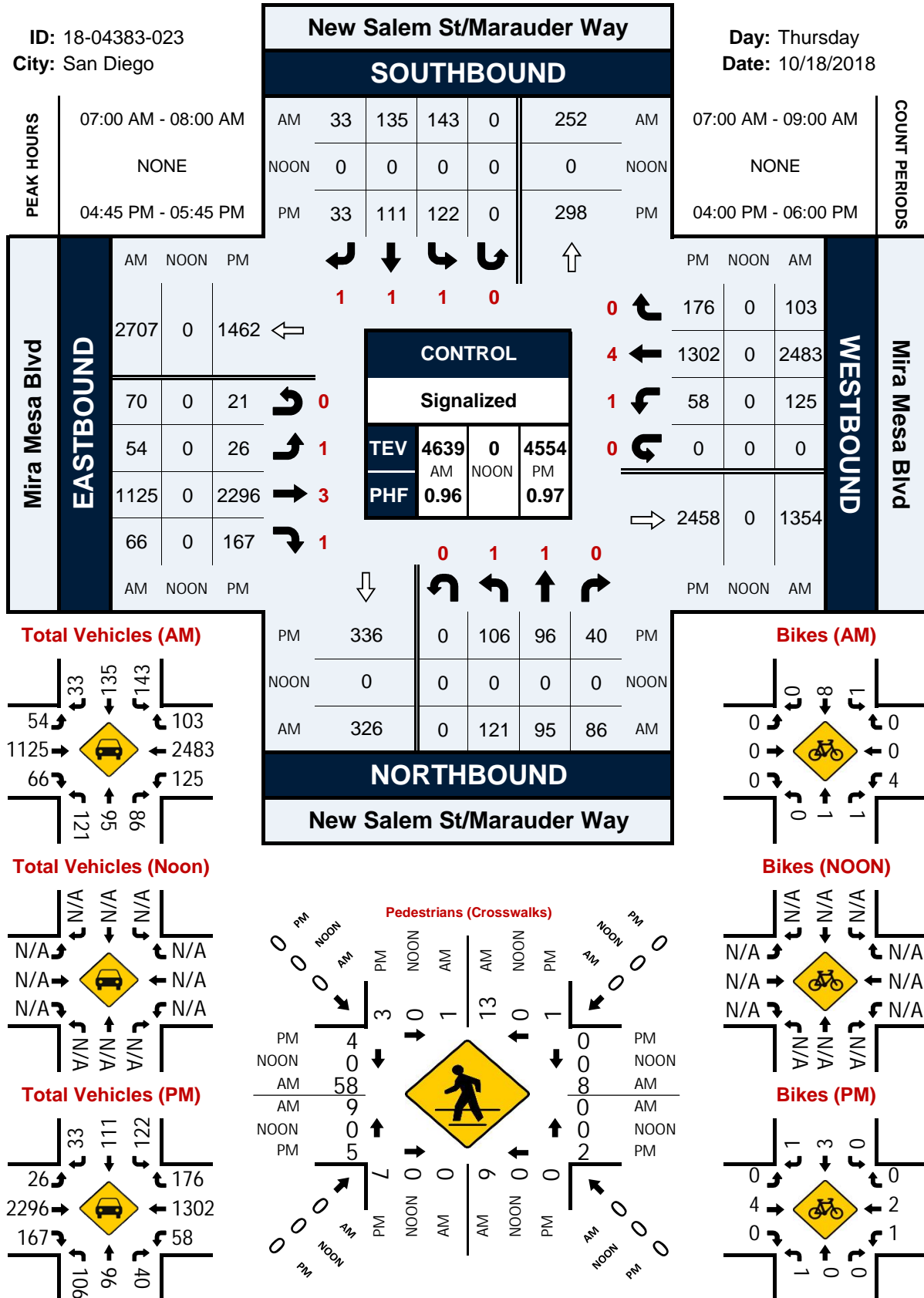


## New Salem St/Marauder Way &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-023  
City: San Diego

Day: Thursday  
Date: 10/18/2018

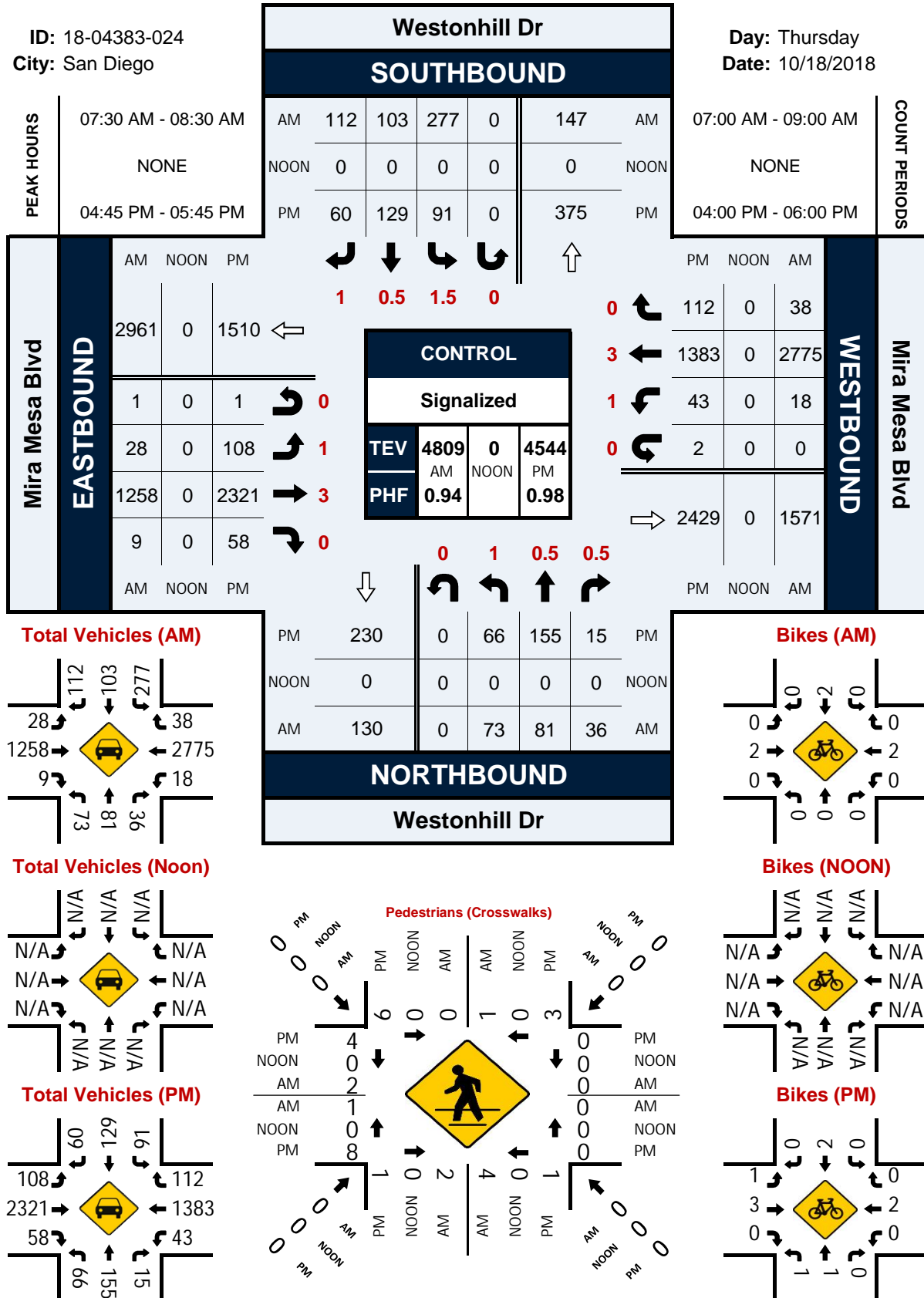


## Westonhill Dr &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-024  
City: San Diego

Day: Thursday  
Date: 10/18/2018

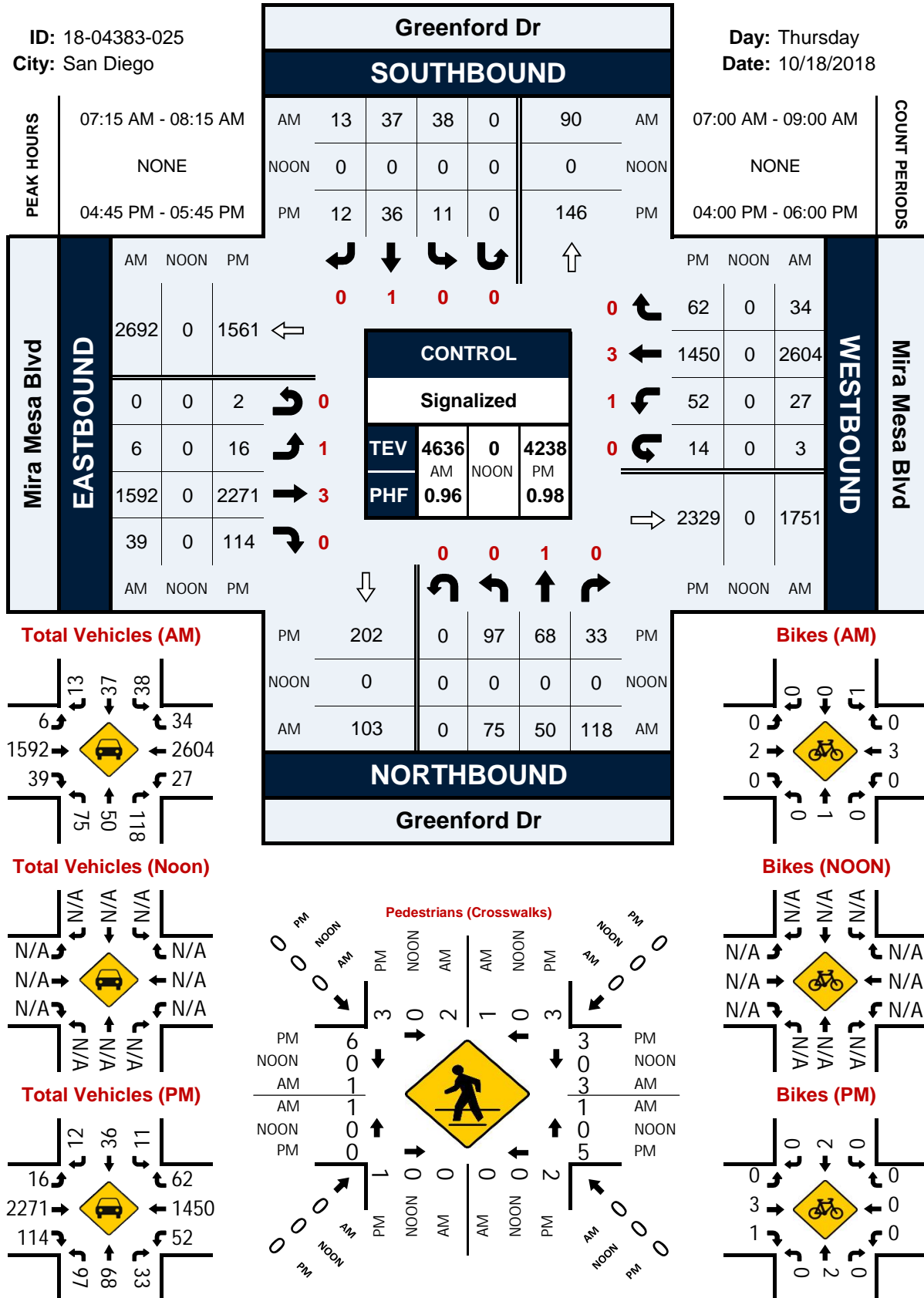


## Greenford Dr &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-025  
City: San Diego

Day: Thursday  
Date: 10/18/2018

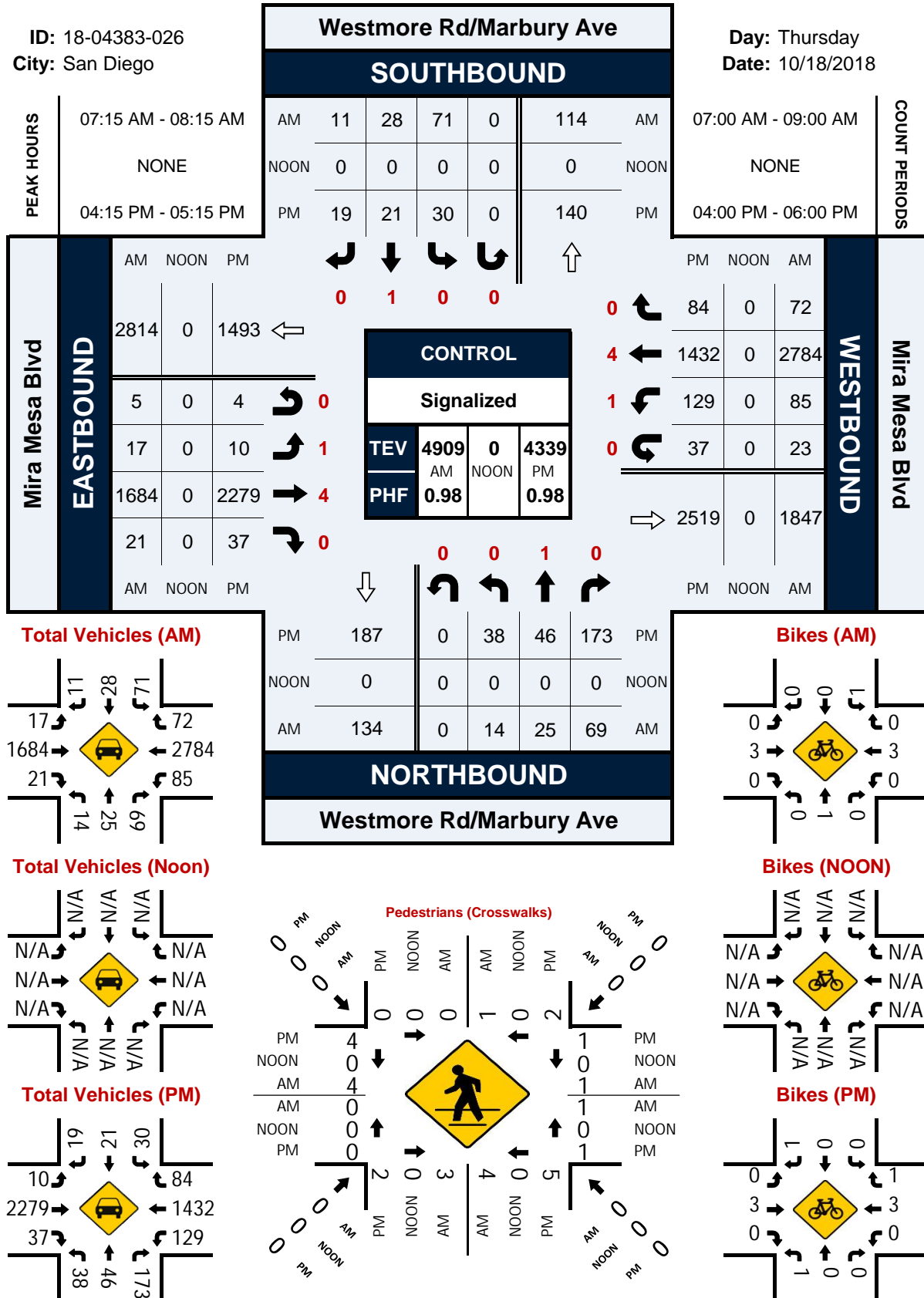


## Westmore Rd/Marbury Ave &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-026  
City: San Diego

Day: Thursday  
Date: 10/18/2018

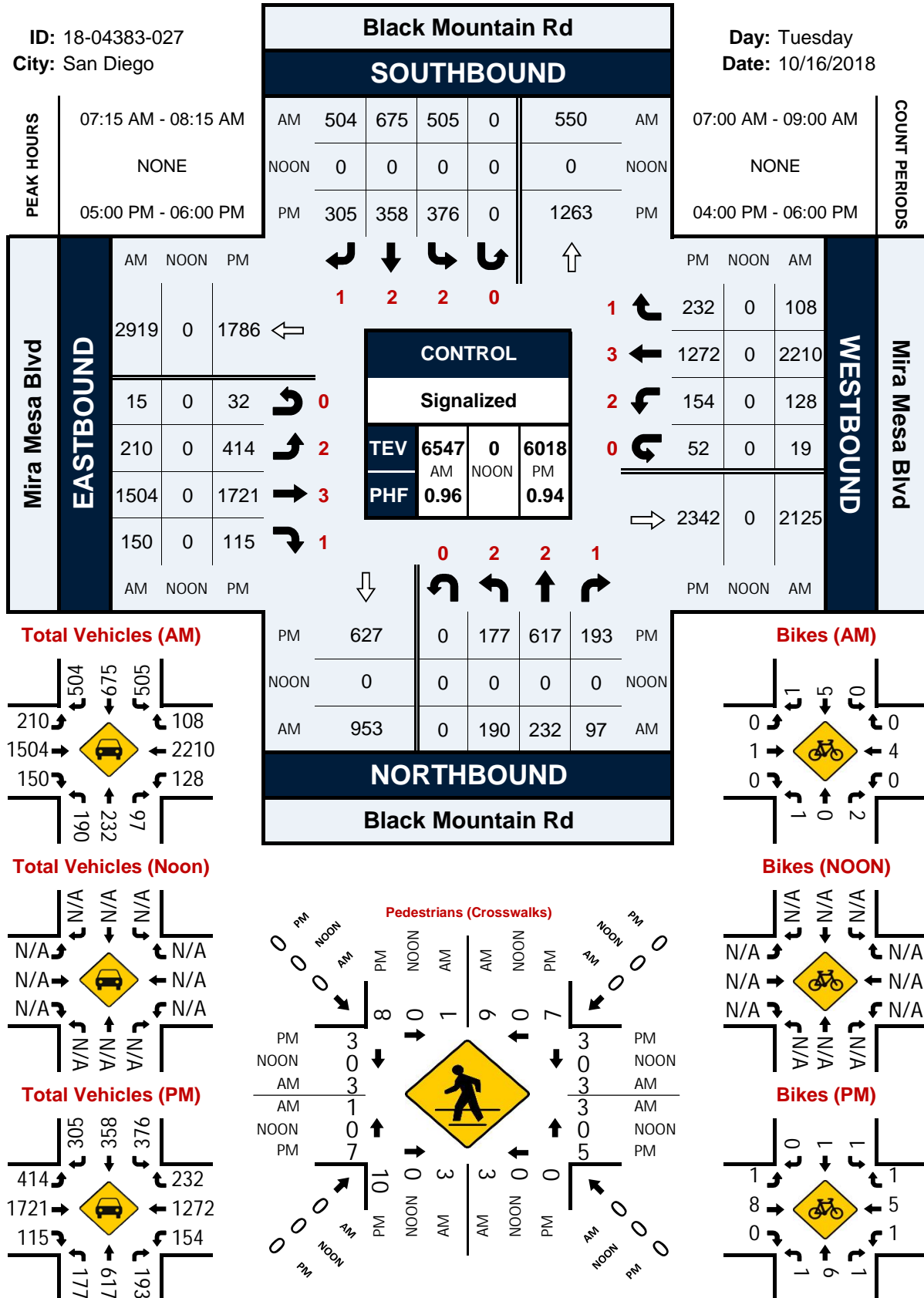


## Black Mountain Rd &amp; Mira Mesa Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-027  
City: San Diego

Day: Tuesday  
Date: 10/16/2018



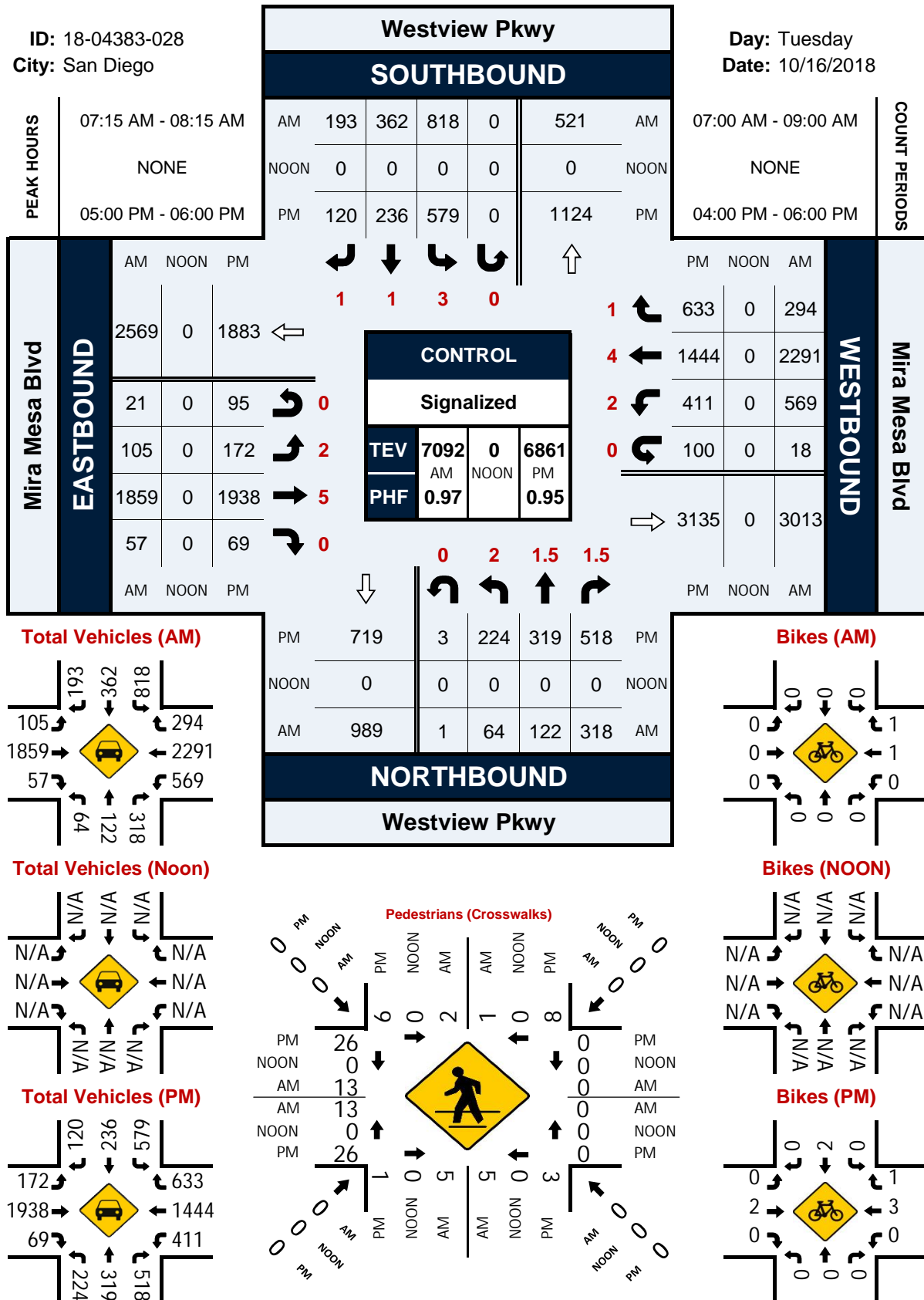


## Westview Pkwy &amp; Mira Mesa Blvd

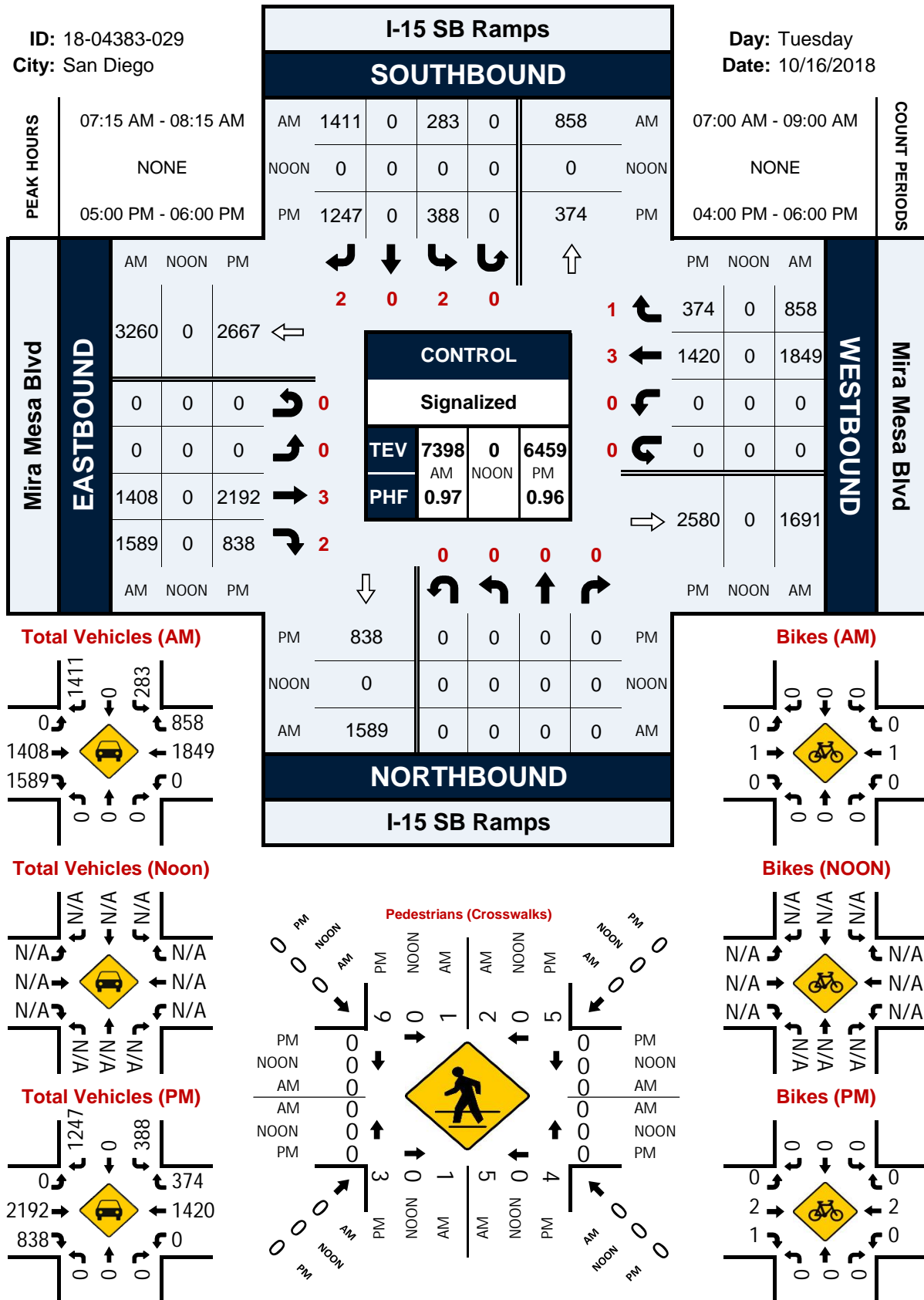
## Peak Hour Turning Movement Count

ID: 18-04383-028  
City: San Diego

Day: Tuesday  
Date: 10/16/2018



**Day:** Tuesday  
**Date:** 10/16/2018

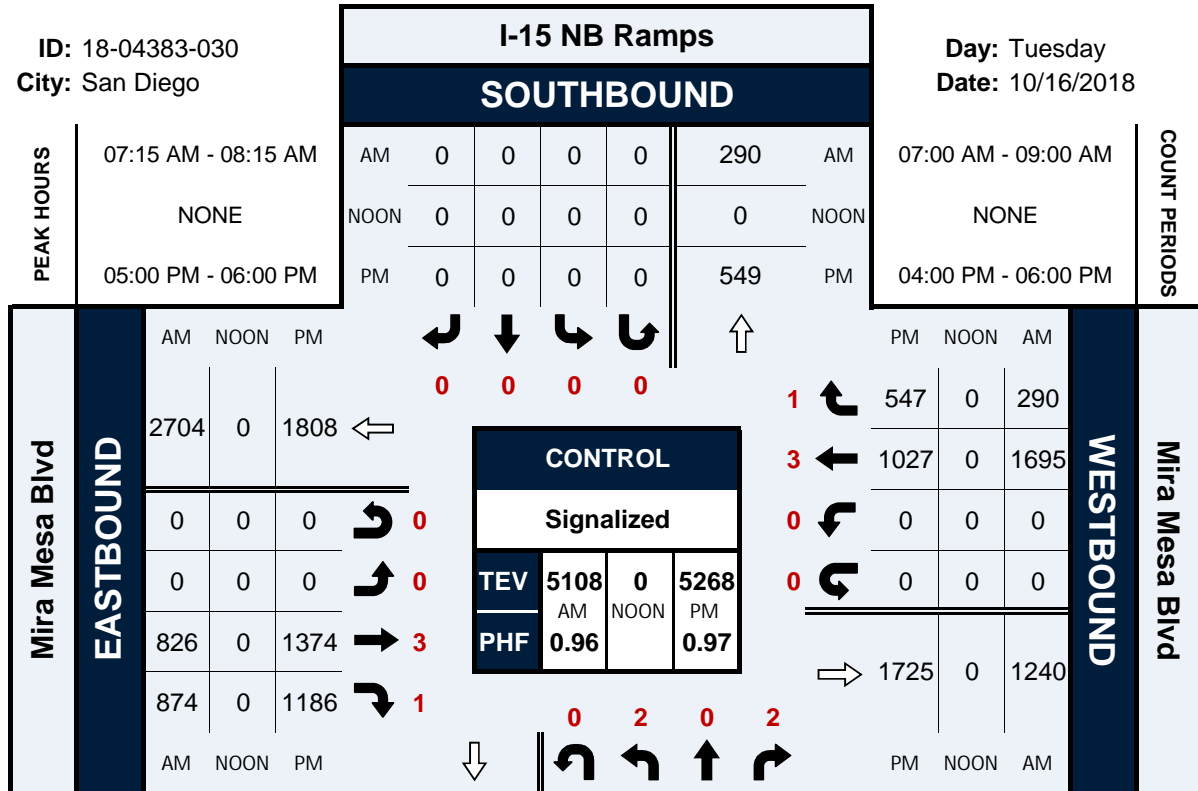


## I-15 NB Ramps &amp; Mira Mesa Blvd

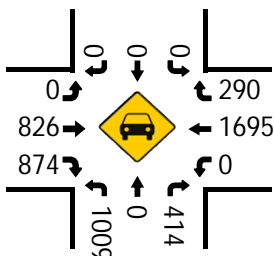
## Peak Hour Turning Movement Count

ID: 18-04383-030  
City: San Diego

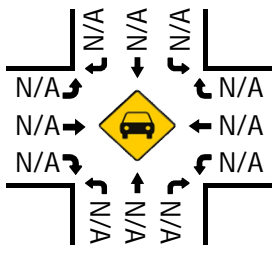
Day: Tuesday  
Date: 10/16/2018



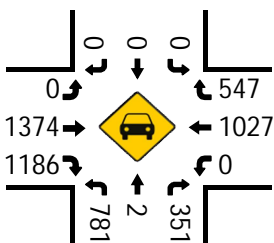
Total Vehicles (AM)



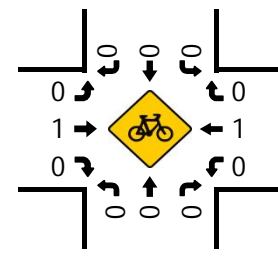
Total Vehicles (Noon)



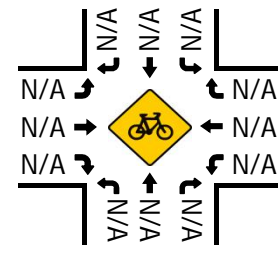
Total Vehicles (PM)



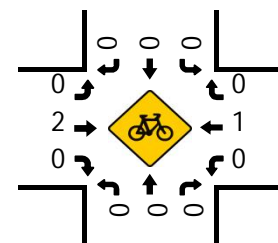
Bikes (AM)



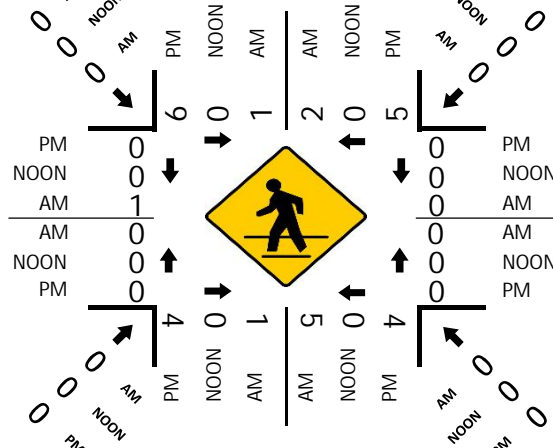
Bikes (Noon)



Bikes (PM)



Pedestrians (Crosswalks)

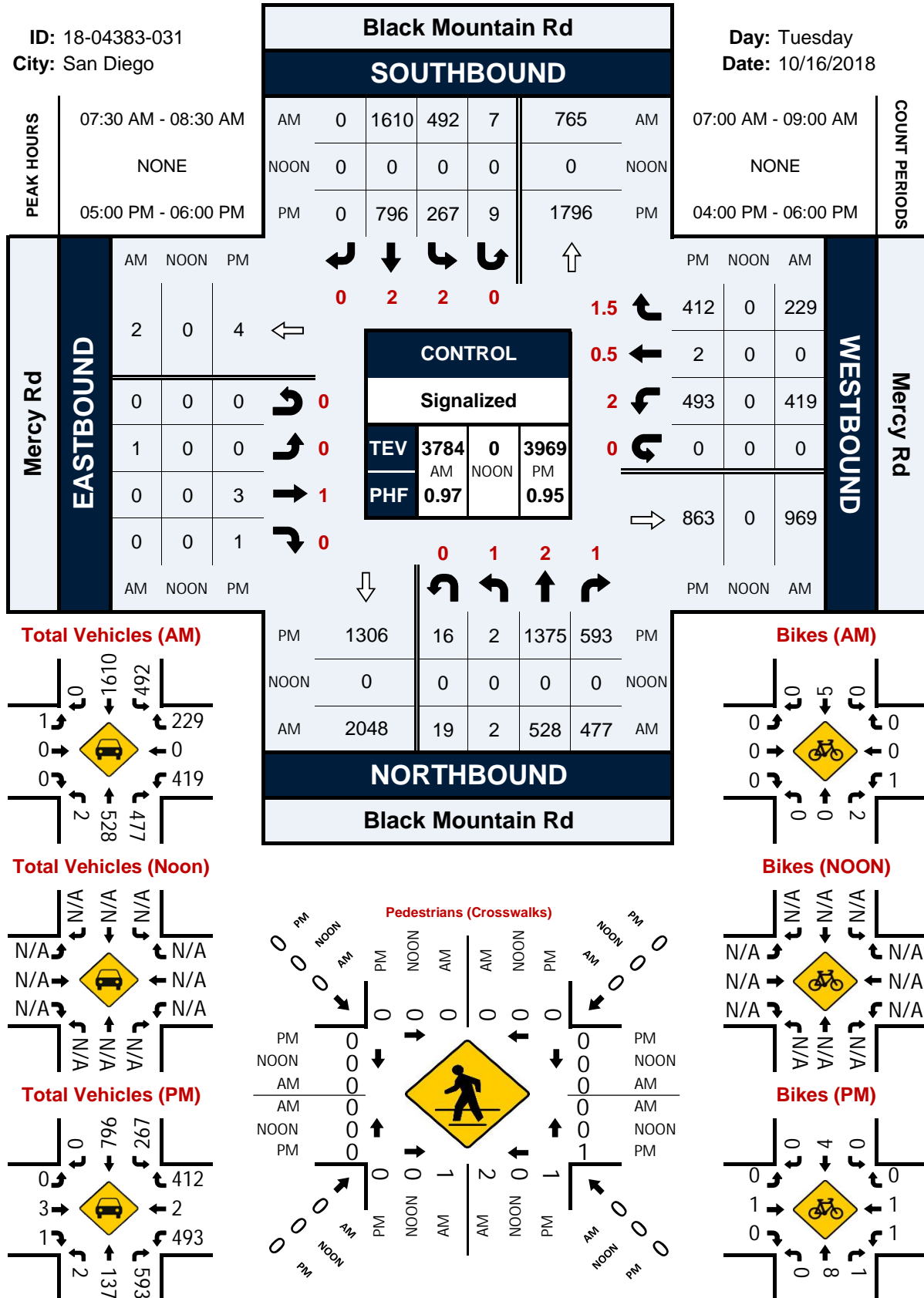


## Black Mountain Rd &amp; Mercy Rd

## Peak Hour Turning Movement Count

ID: 18-04383-031  
City: San Diego

Day: Tuesday  
Date: 10/16/2018

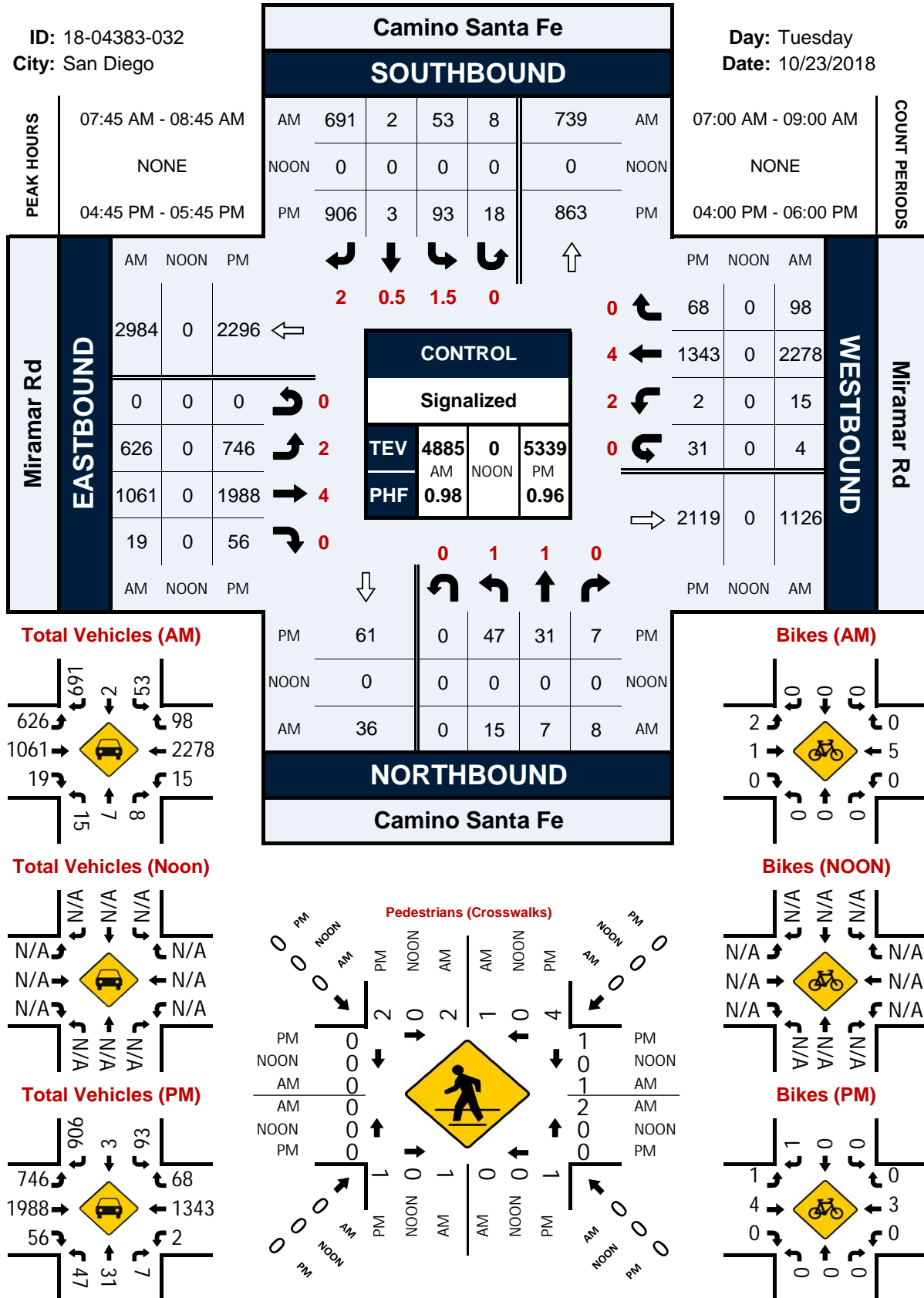


## Camino Santa Fe &amp; Miramar Rd

## Peak Hour Turning Movement Count

ID: 18-04383-032  
City: San Diego

Day: Tuesday  
Date: 10/23/2018



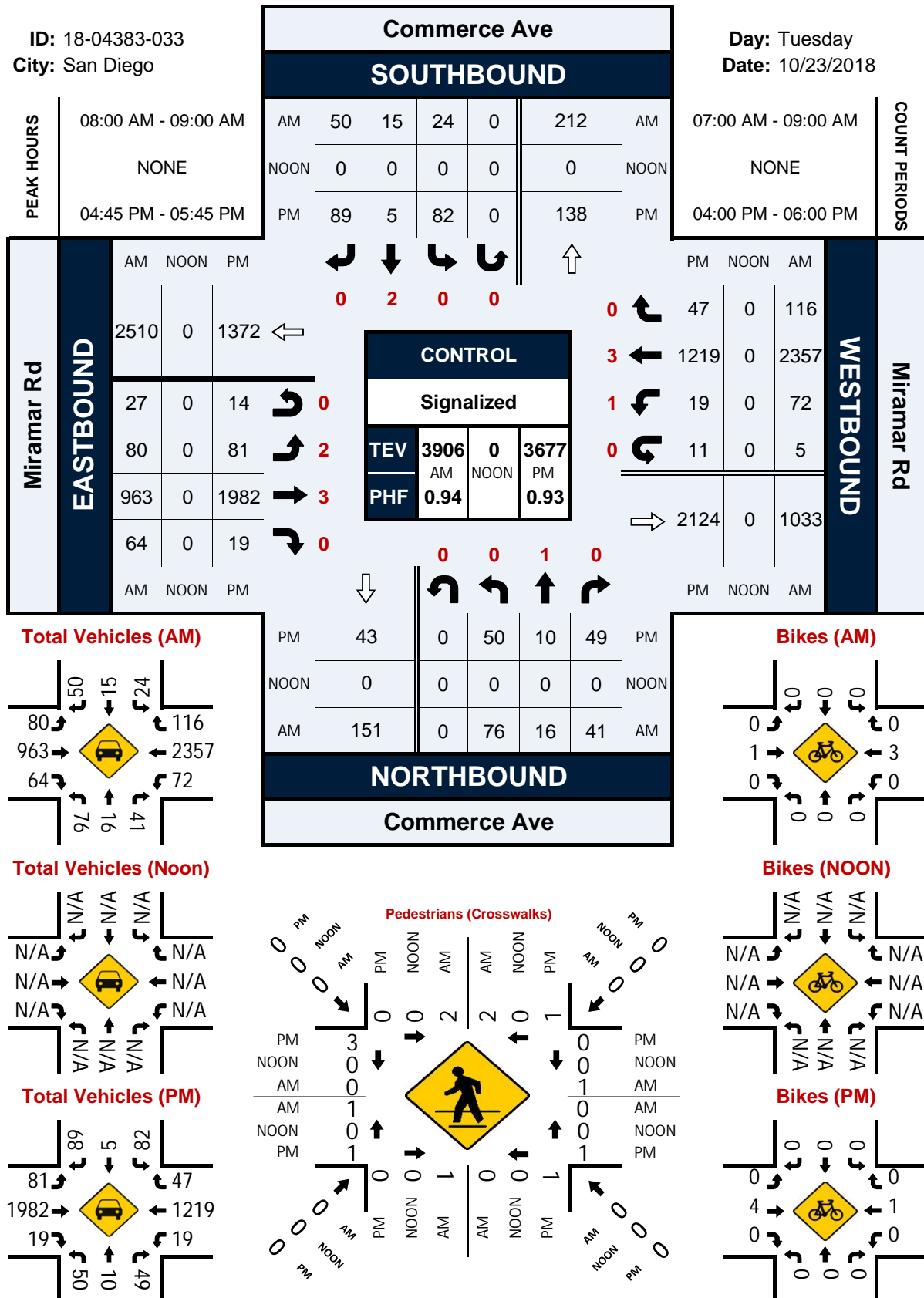


## Commerce Ave &amp; Miramar Rd

## Peak Hour Turning Movement Count

ID: 18-04383-033  
City: San Diego

Day: Tuesday  
Date: 10/23/2018

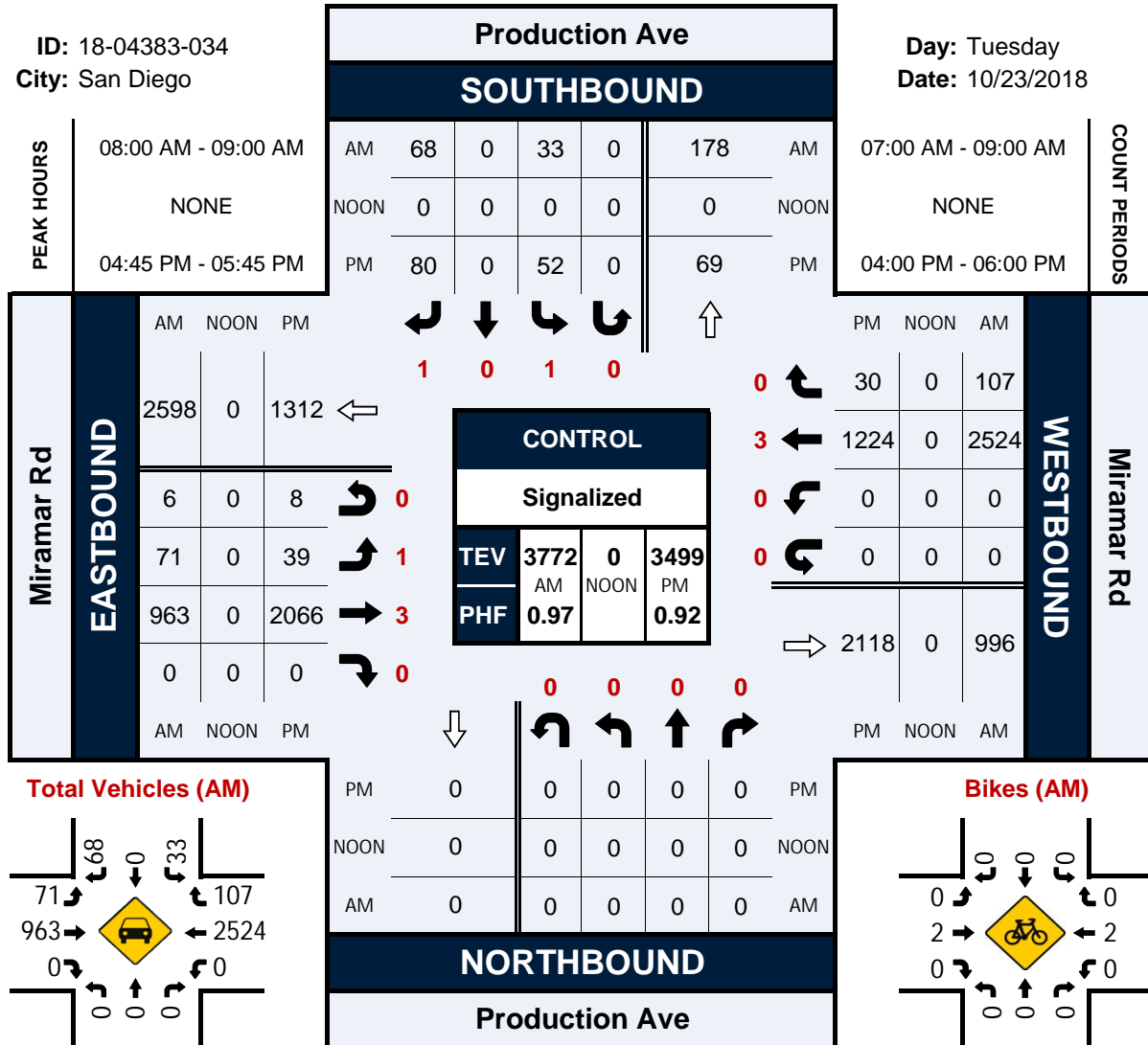


## Production Ave &amp; Miramar Rd

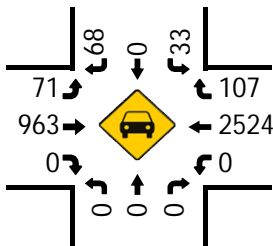
## Peak Hour Turning Movement Count

ID: 18-04383-034  
City: San Diego

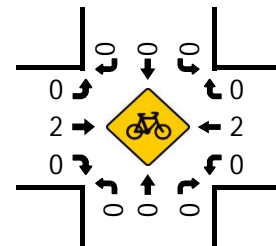
Day: Tuesday  
Date: 10/23/2018



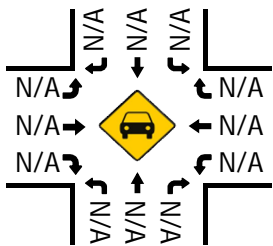
Total Vehicles (AM)



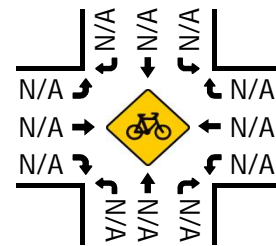
Bikes (AM)



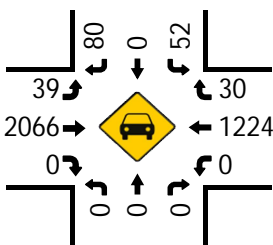
Total Vehicles (Noon)



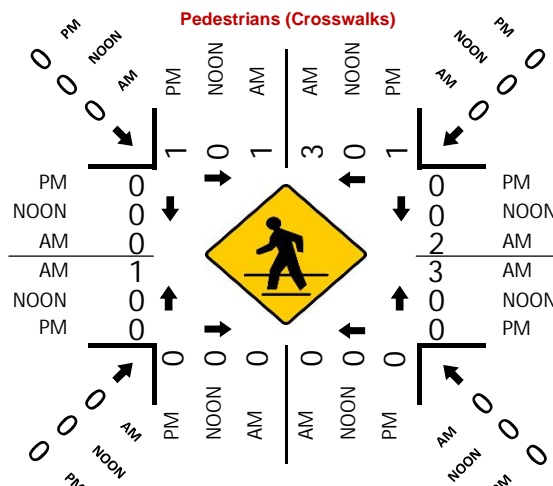
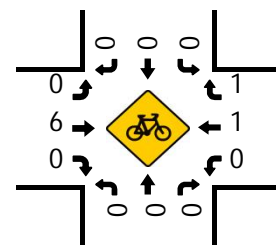
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)



**ID:** 18-04383-035  
**City:** San Diego

**Day:** Tuesday  
**Date:** 10/23/2018

PEAK HOURS		Distribution Ave SOUTHBOUND						COUNT PERIODS	
08:00 AM - 09:00 AM	NONE	AM	75	0	36	0	145	AM	07:00 AM - 09:00 AM
		NOON	0	0	0	0	0	NOON	NONE
05:00 PM - 06:00 PM		PM	106	0	81	0	155	PM	04:00 PM - 06:00 PM

Miramar Rd EASTBOUND		CONTROL		Miramar Rd WESTBOUND				
AM	NOON	PM	TEV	Signalized	PM	NOON	AM	
2648	0	1267	3780	0	3550	76	0	93
2	0	4	AM	NOON	PM	1157	0	2571
52	0	79	0.97	0.93	0	0	0	0
951	0	2047			0	0	0	0
0	0	0				2128	0	987
AM	NOON	PM				PM	NOON	AM

**Total Vehicles (AM)**

**Bikes (AM)**

**Total Vehicles (Noon)**

**Bikes (NOON)**

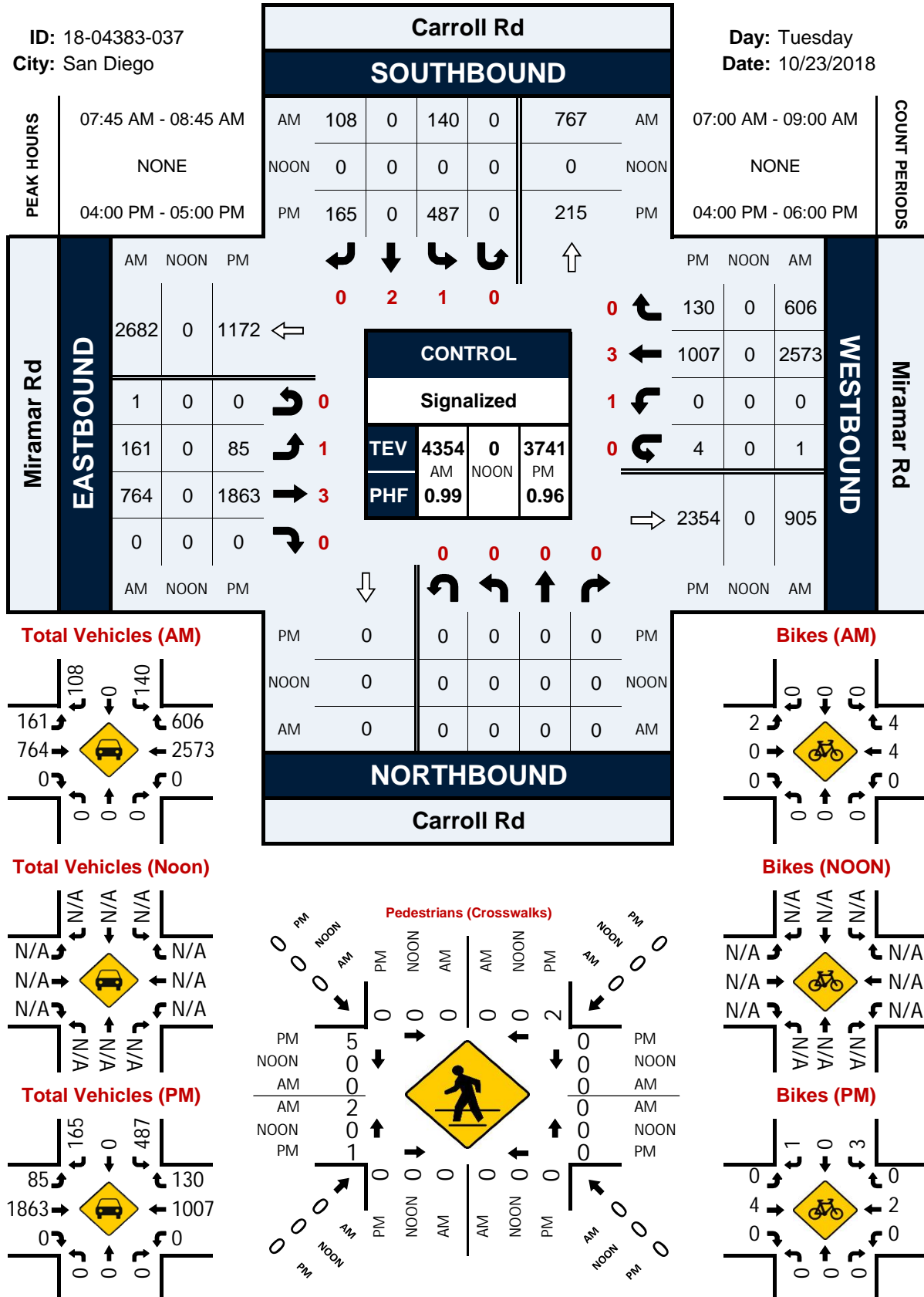
**Total Vehicles (PM)**

**Bikes (PM)**

**Pedestrians (Crosswalks)**



**Day:** Tuesday  
**Date:** 10/23/2018



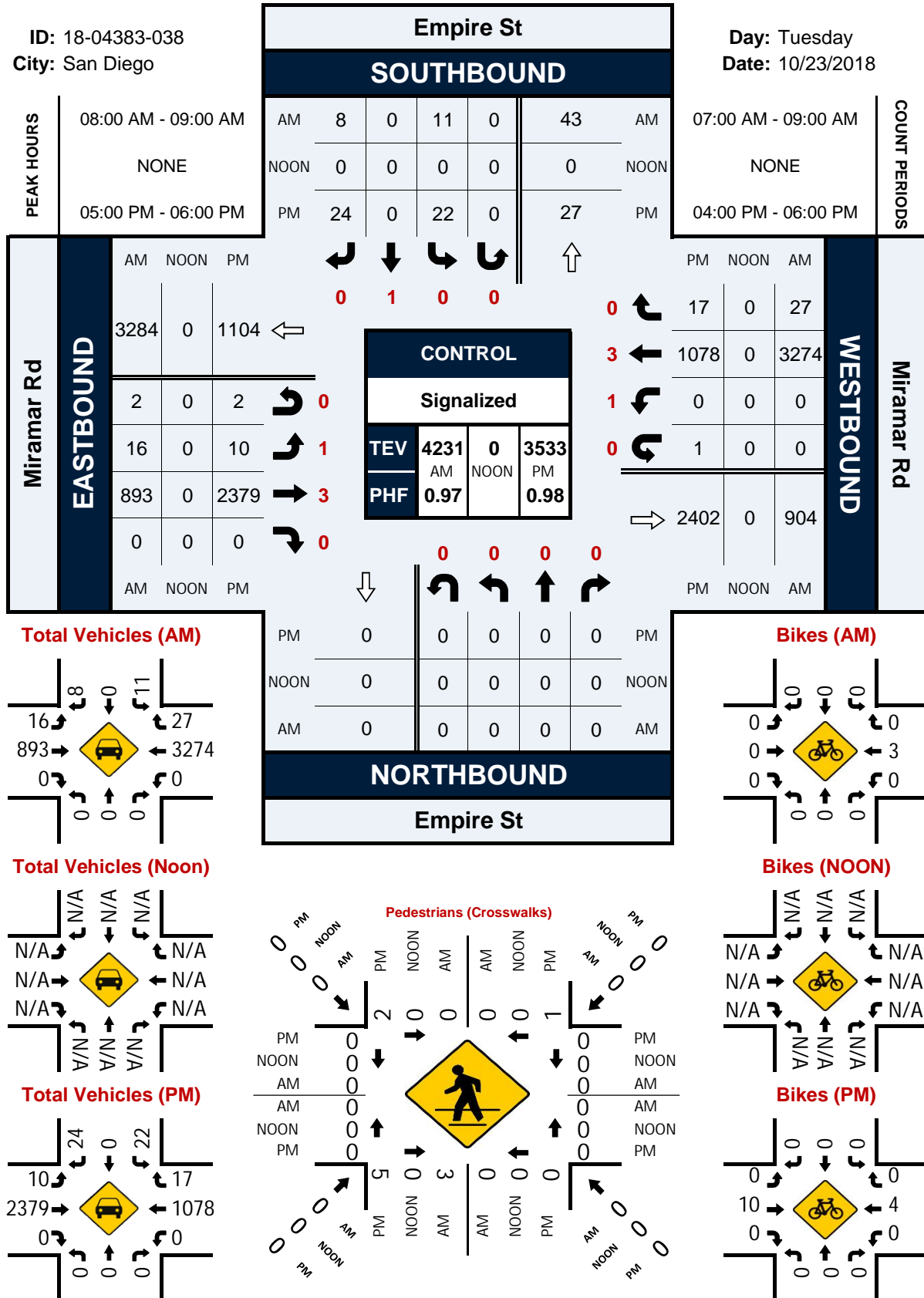


# Empire St & Miramar Rd

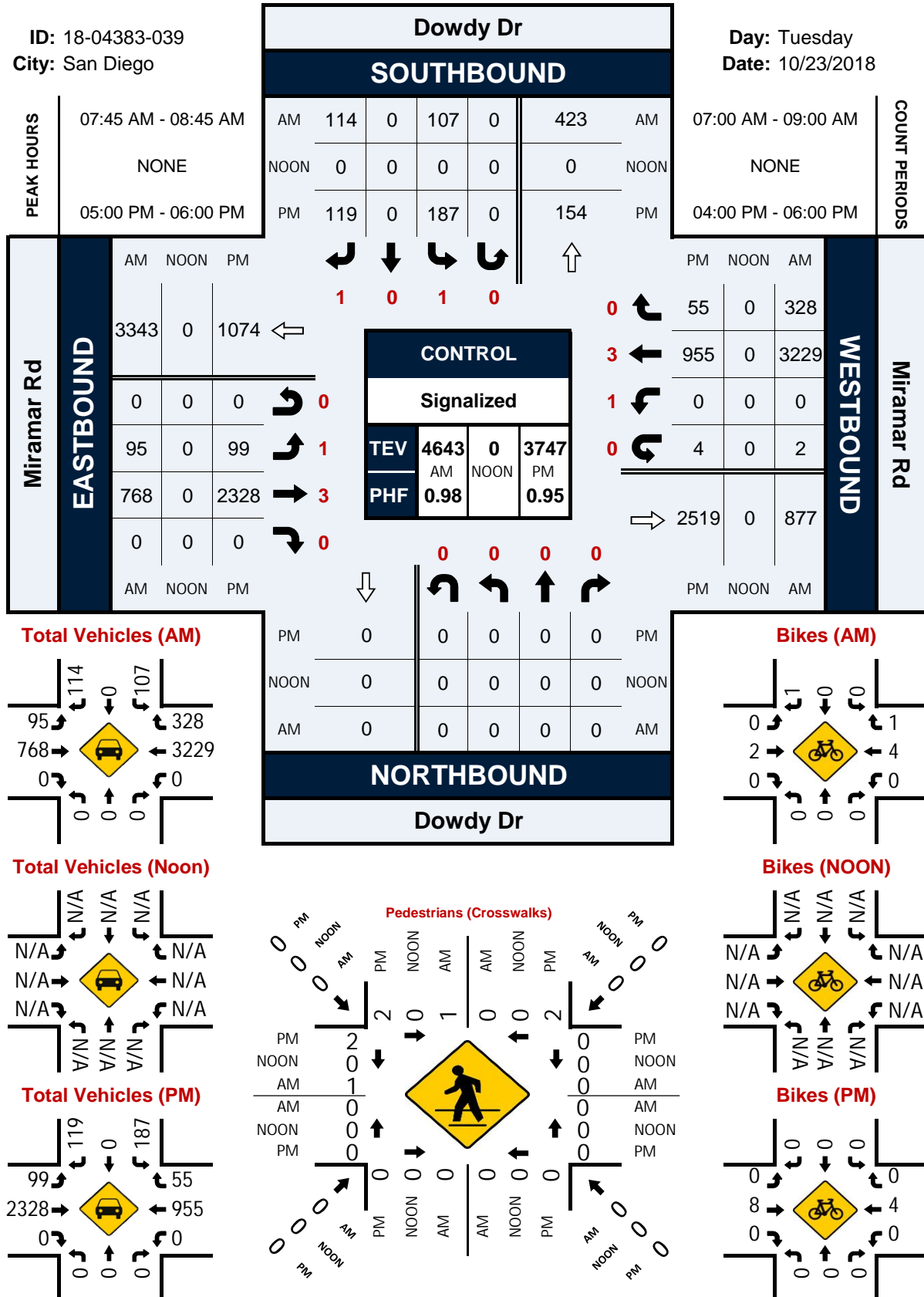
## Peak Hour Turning Movement Count

ID: 18-04383-038  
City: San Diego

Day: Tuesday  
Date: 10/23/2018



**Day:** Tuesday  
**Date:** 10/23/2018

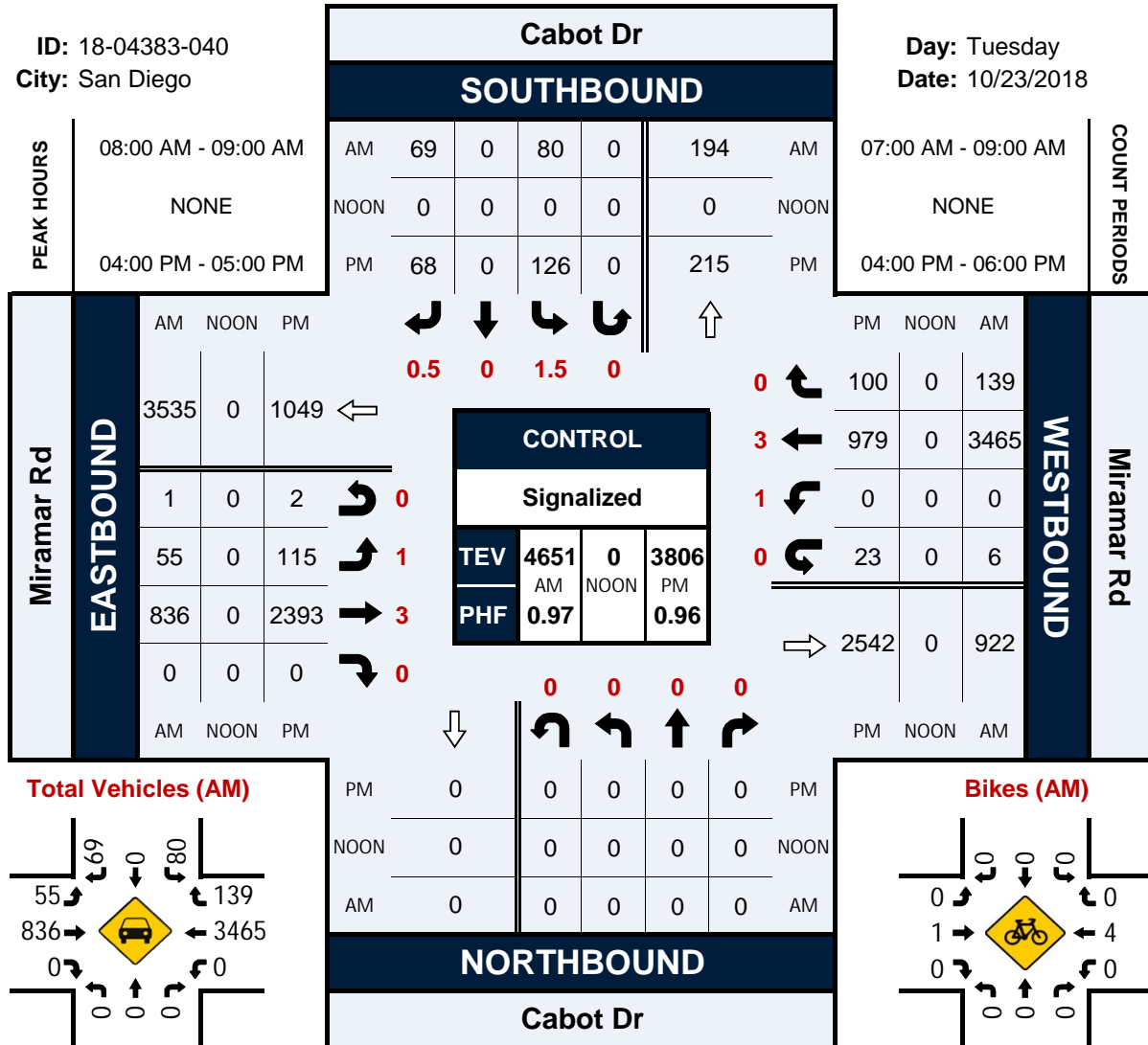


## Cabot Dr &amp; Miramar Rd

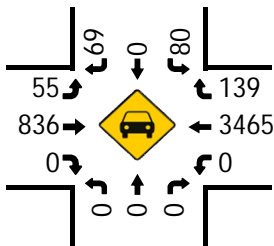
## Peak Hour Turning Movement Count

ID: 18-04383-040  
City: San Diego

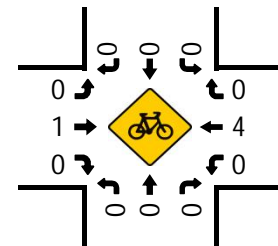
Day: Tuesday  
Date: 10/23/2018



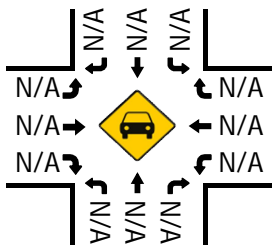
Total Vehicles (AM)



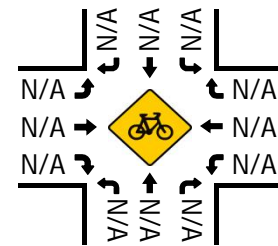
Bikes (AM)



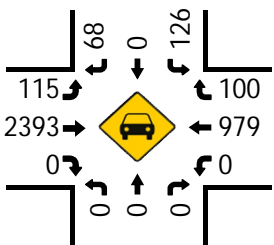
Total Vehicles (Noon)



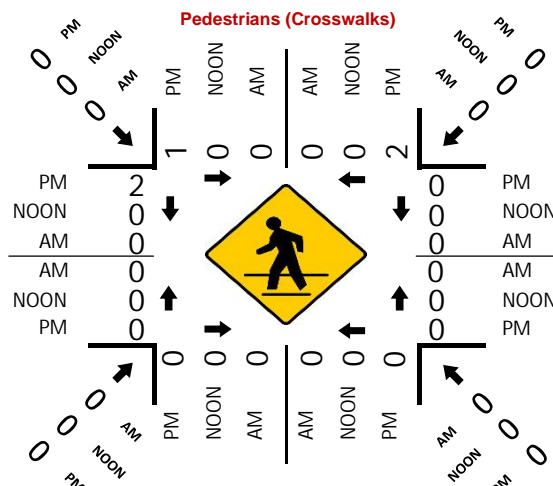
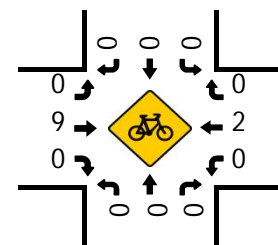
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)

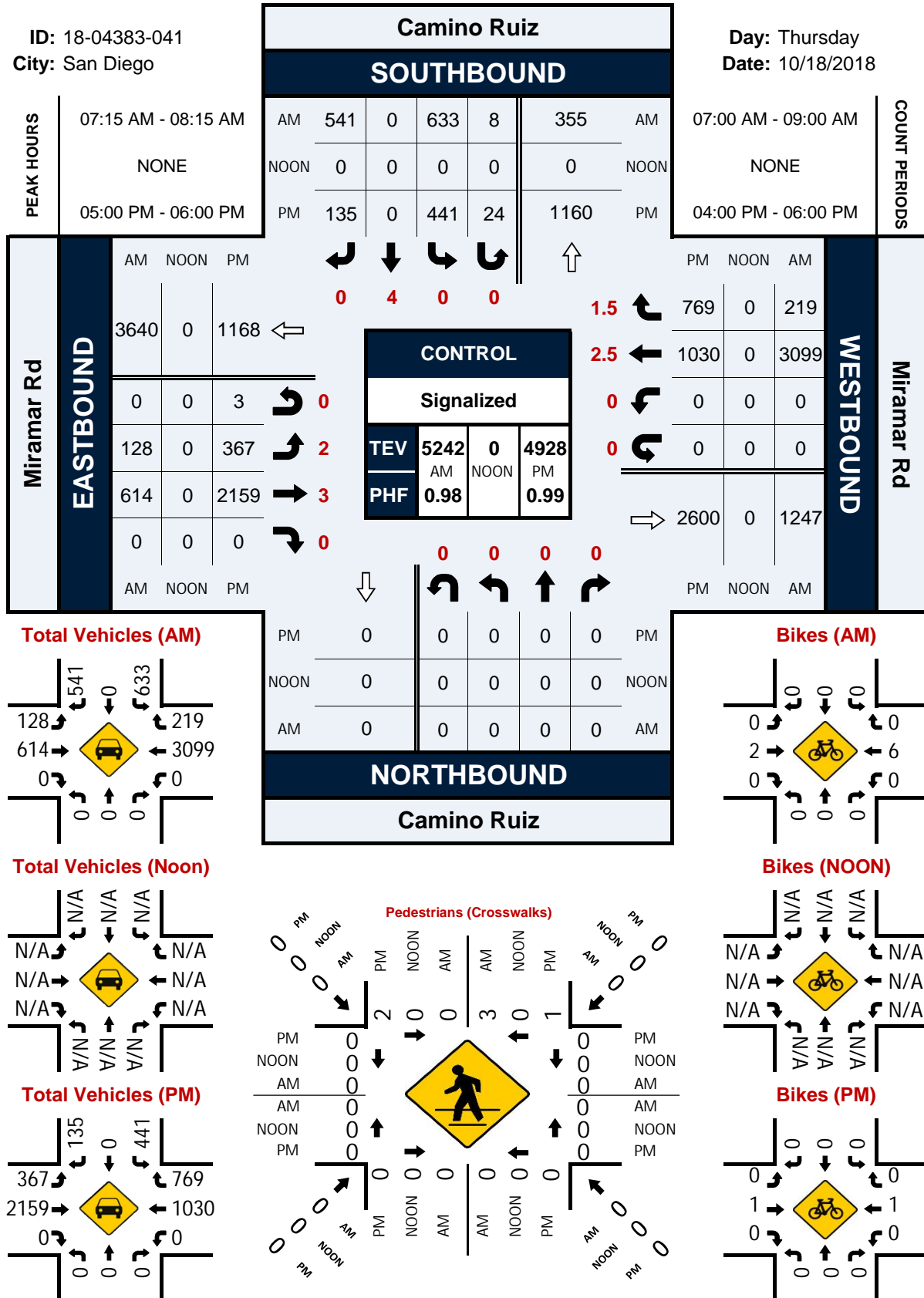


## Camino Ruiz &amp; Miramar Rd

## Peak Hour Turning Movement Count

ID: 18-04383-041  
City: San Diego

Day: Thursday  
Date: 10/18/2018

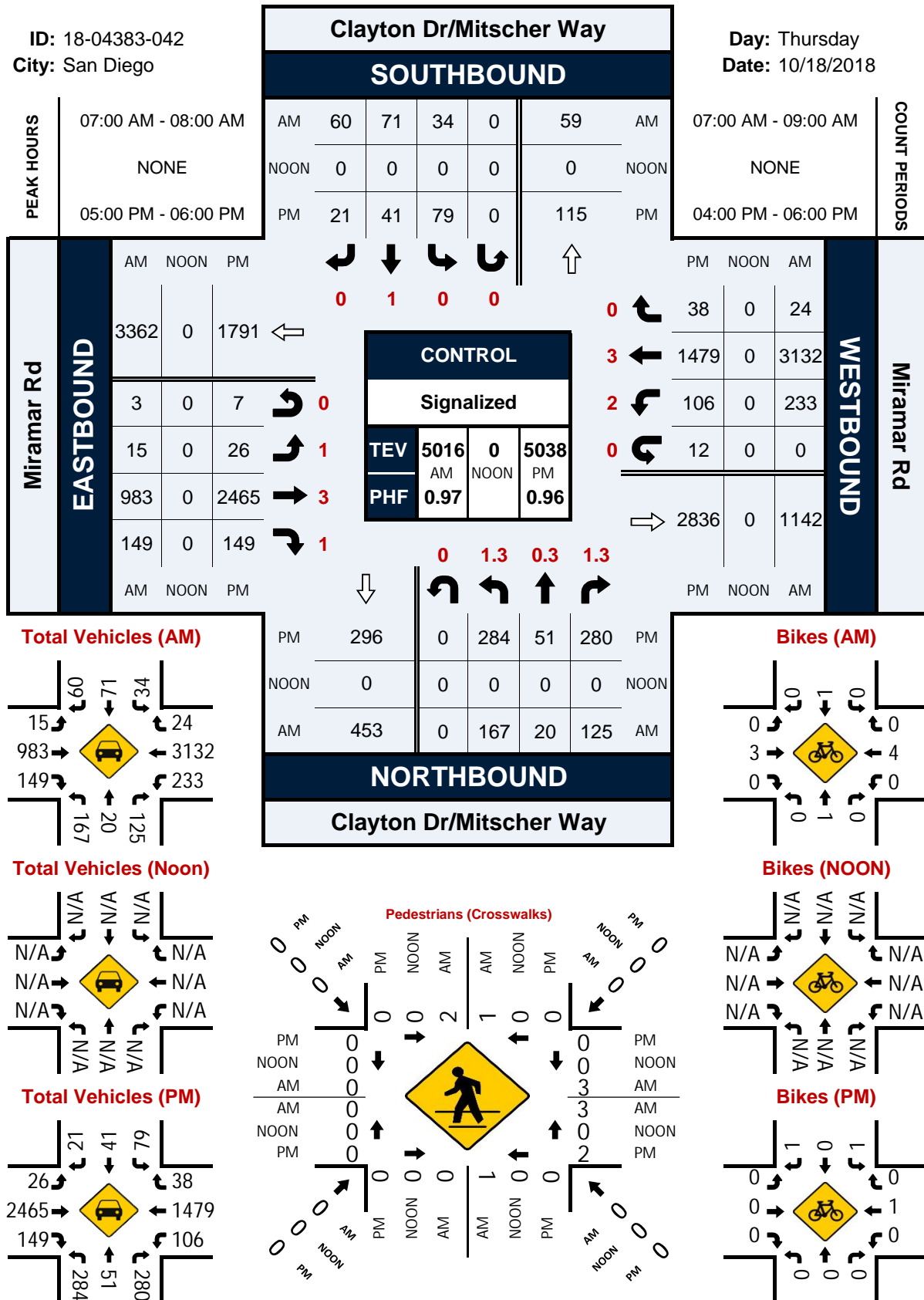


## Clayton Dr/Mitscher Way &amp; Miramar Rd

## Peak Hour Turning Movement Count

ID: 18-04383-042  
City: San Diego

Day: Thursday  
Date: 10/18/2018



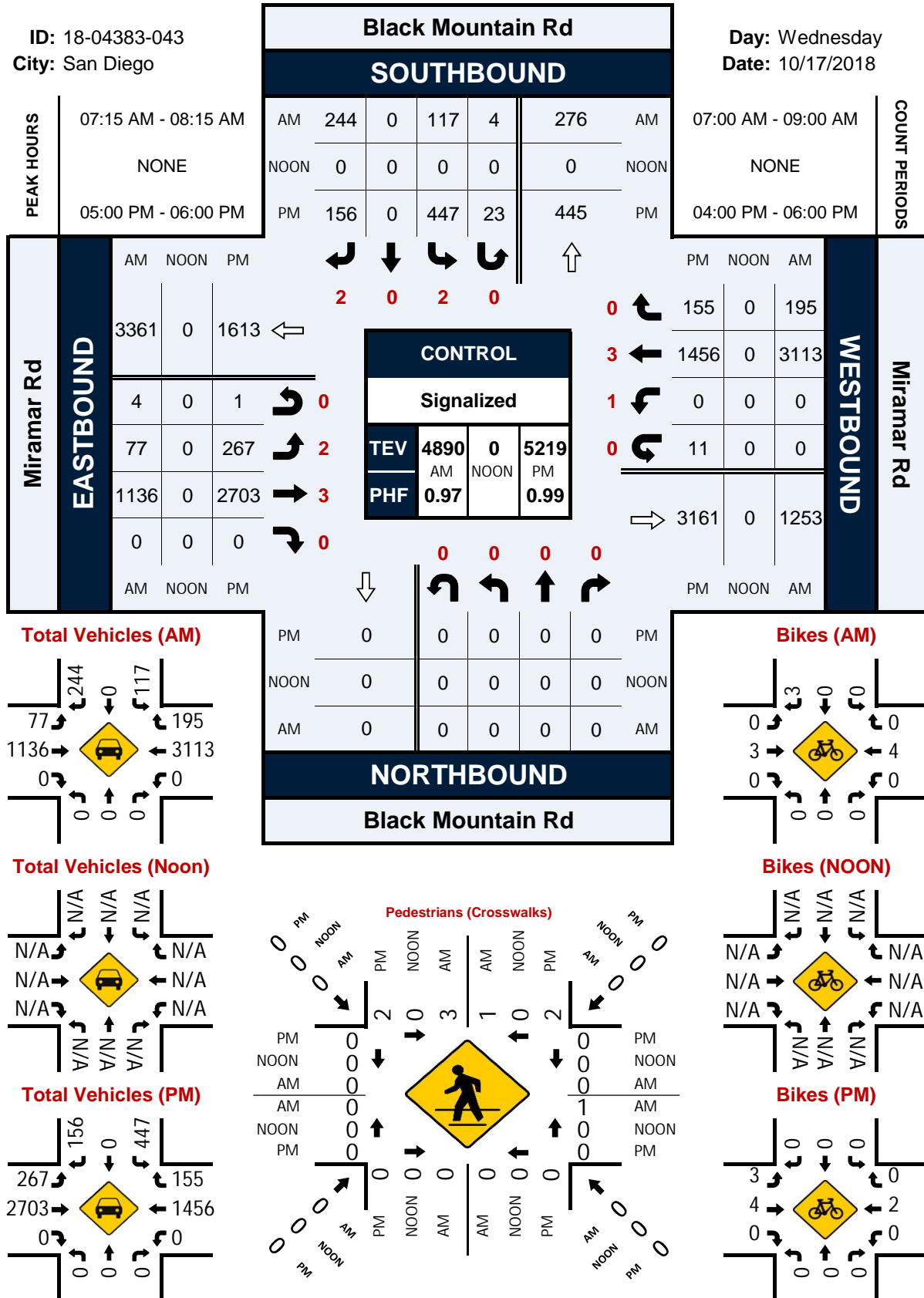


## Black Mountain Rd &amp; Miramar Rd

## Peak Hour Turning Movement Count

ID: 18-04383-043  
City: San Diego

Day: Wednesday  
Date: 10/17/2018

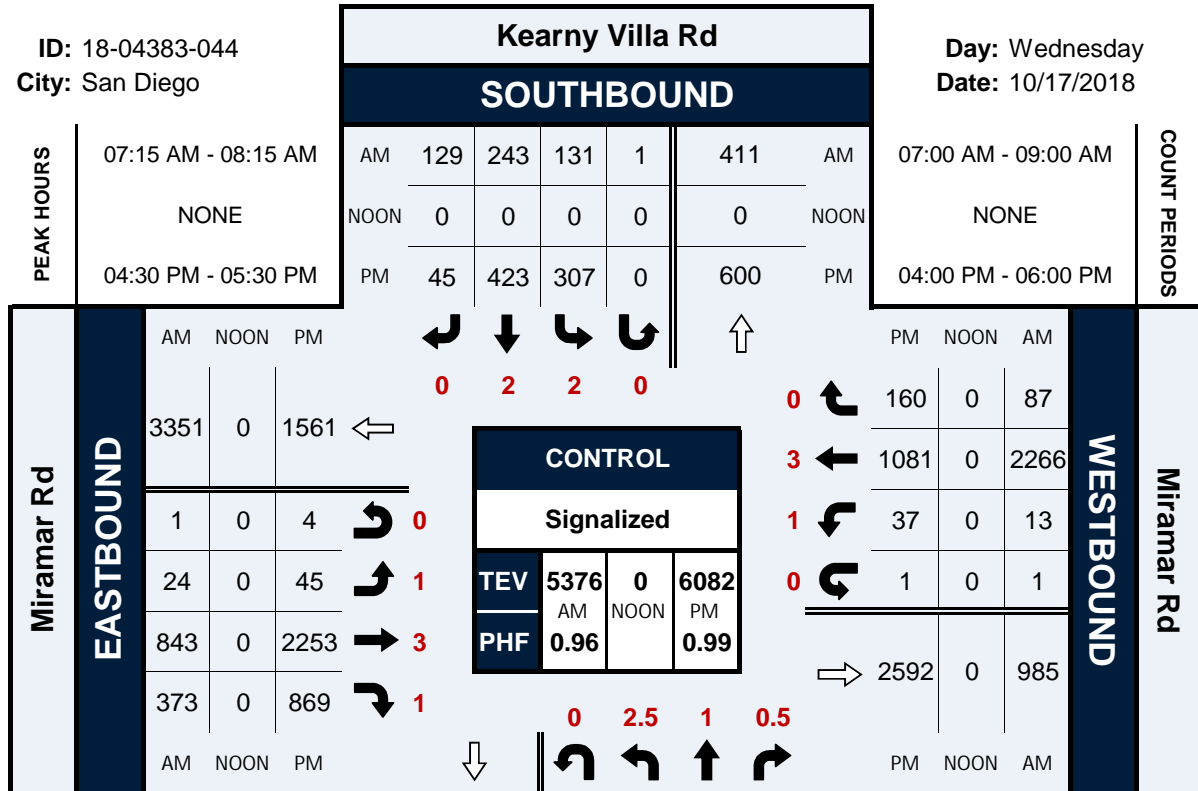


## Kearny Villa Rd &amp; Miramar Rd

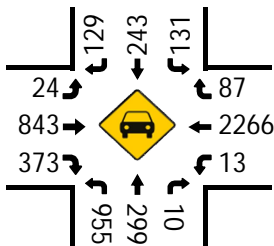
## Peak Hour Turning Movement Count

ID: 18-04383-044  
City: San Diego

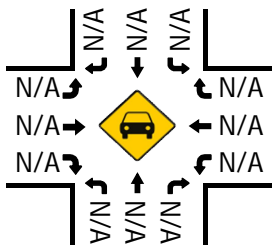
Day: Wednesday  
Date: 10/17/2018



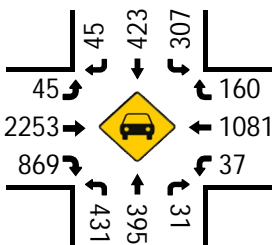
Total Vehicles (AM)



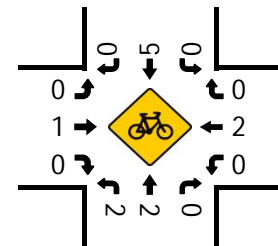
Total Vehicles (Noon)



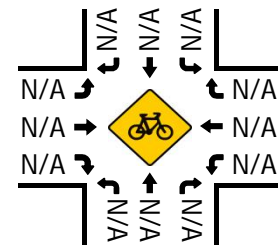
Total Vehicles (PM)



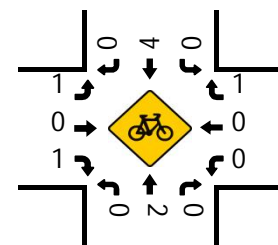
Bikes (AM)



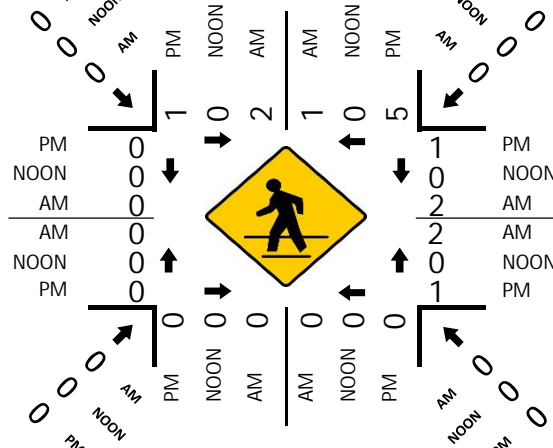
Bikes (Noon)



Bikes (PM)



Pedestrians (Crosswalks)

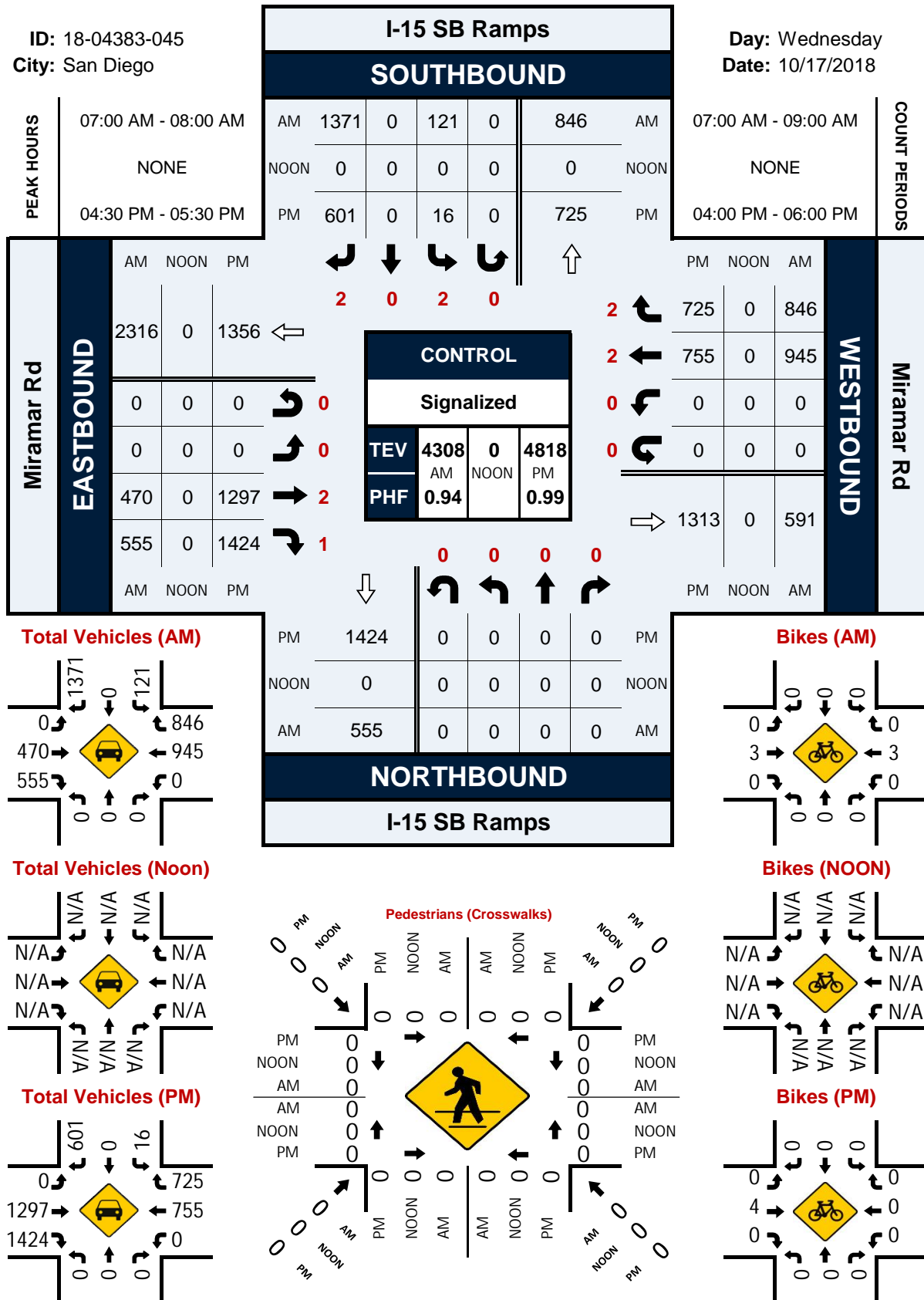


## I-15 SB Ramps &amp; Miramar Rd

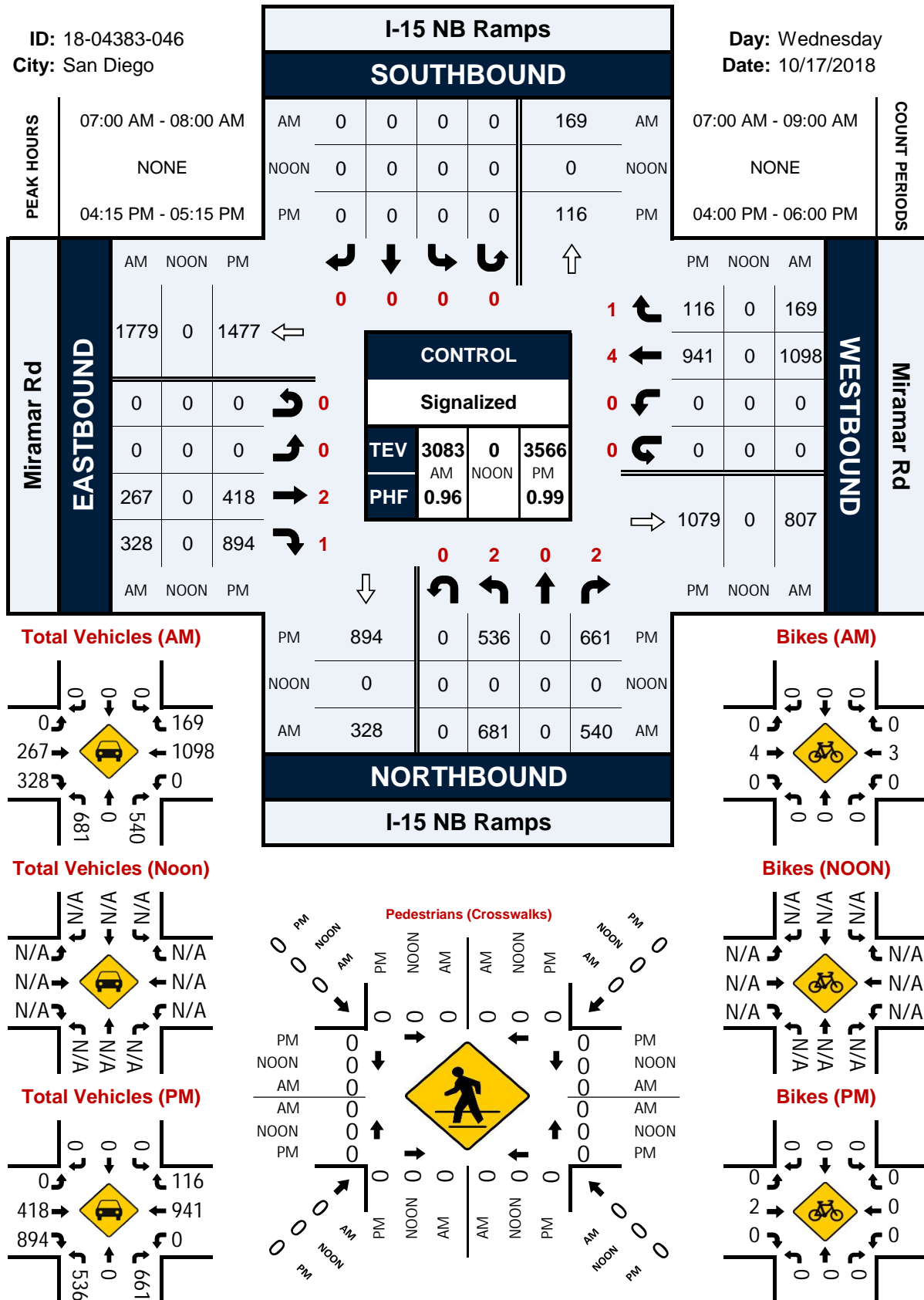
## Peak Hour Turning Movement Count

ID: 18-04383-045  
City: San Diego

Day: Wednesday  
Date: 10/17/2018



**Day:** Wednesday  
**Date:** 10/17/2018

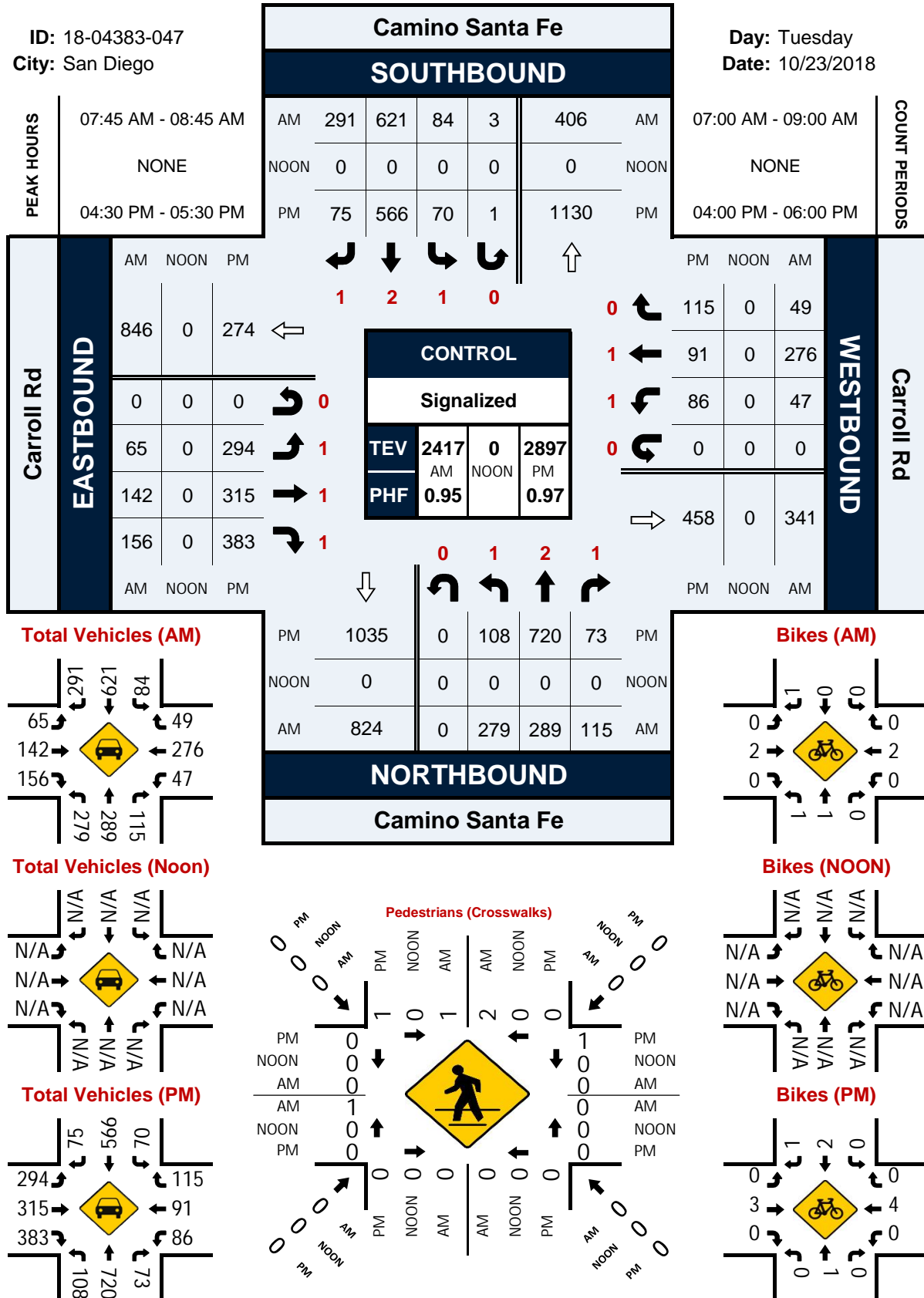


## Camino Santa Fe &amp; Carroll Rd

## Peak Hour Turning Movement Count

ID: 18-04383-047  
City: San Diego

Day: Tuesday  
Date: 10/23/2018



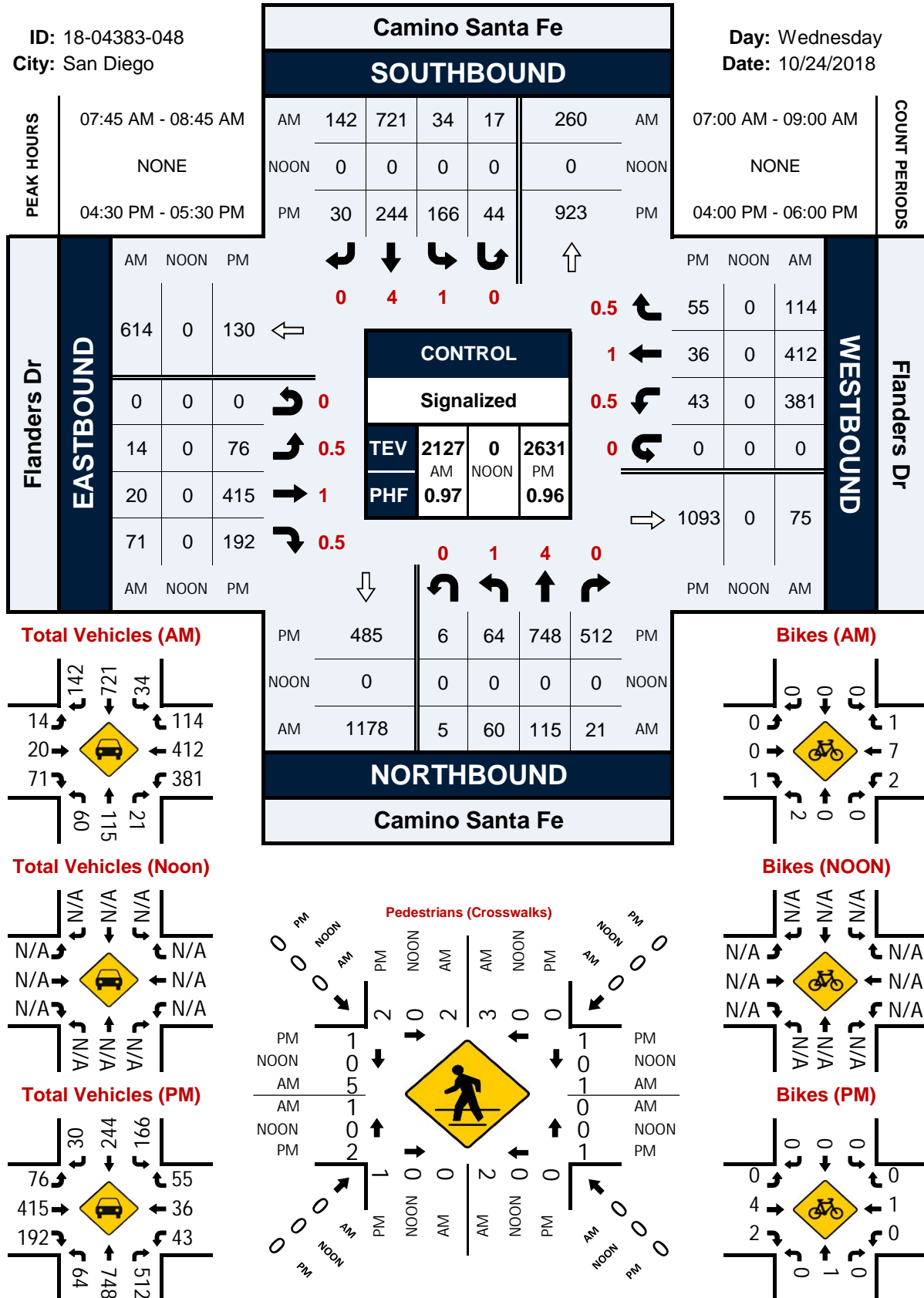


## Camino Santa Fe &amp; Flanders Dr

## Peak Hour Turning Movement Count

ID: 18-04383-048  
City: San Diego

Day: Wednesday  
Date: 10/24/2018

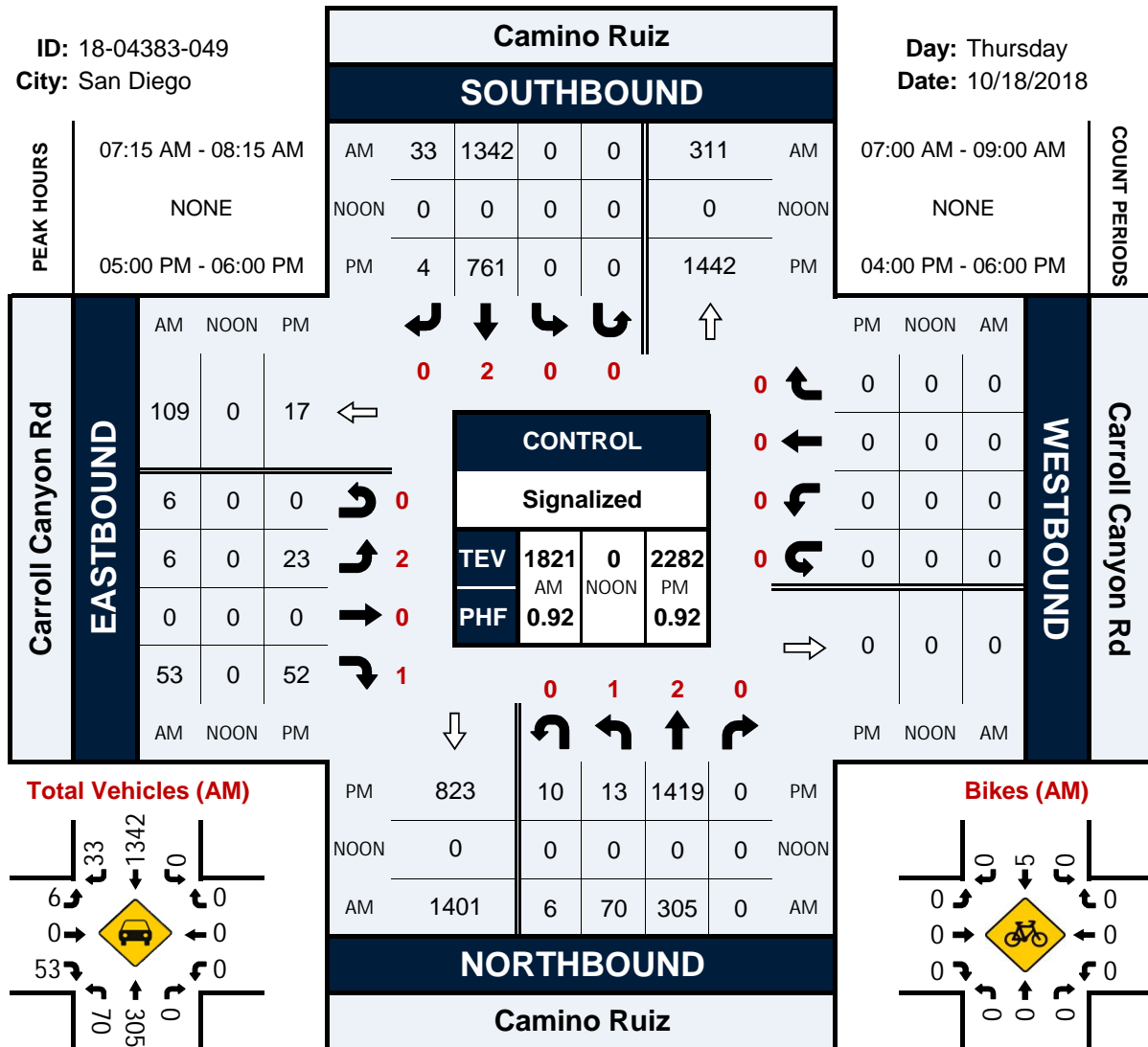


## Camino Ruiz &amp; Carroll Canyon Rd

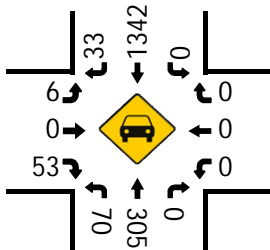
## Peak Hour Turning Movement Count

ID: 18-04383-049  
City: San Diego

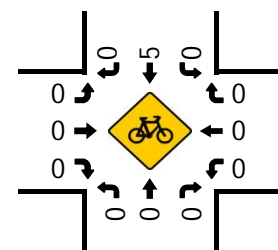
Day: Thursday  
Date: 10/18/2018



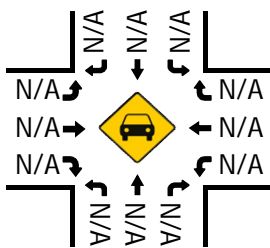
Total Vehicles (AM)



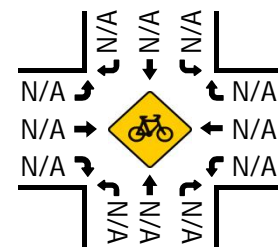
Bikes (AM)



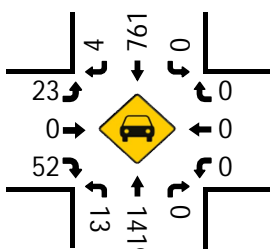
Total Vehicles (Noon)



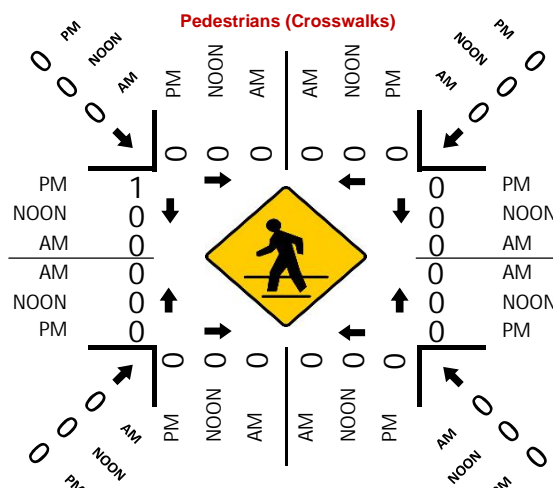
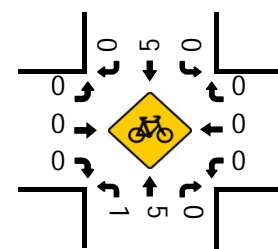
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)

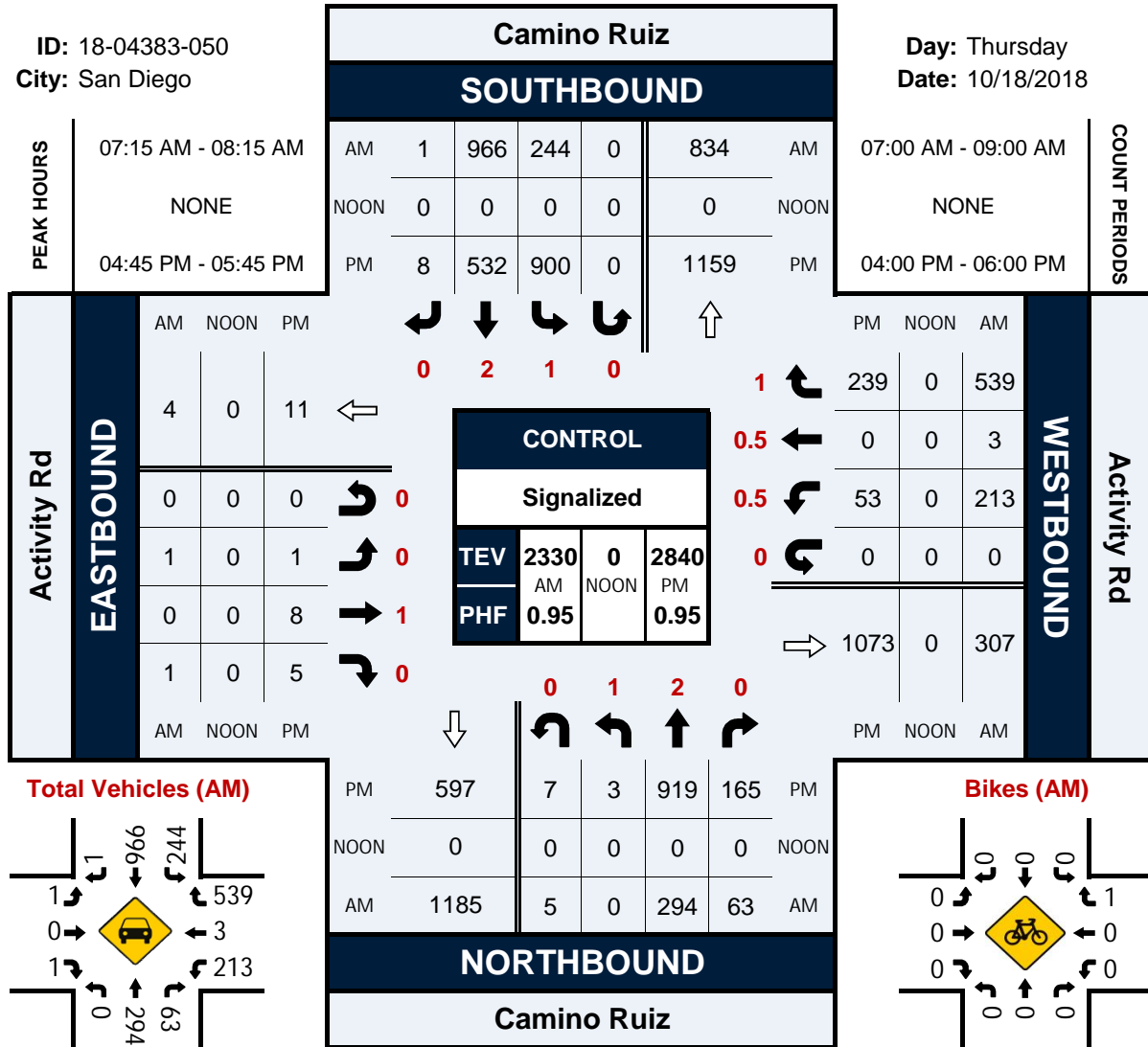


## Camino Ruiz &amp; Activity Rd

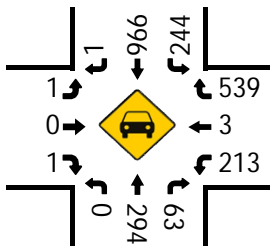
## Peak Hour Turning Movement Count

ID: 18-04383-050  
City: San Diego

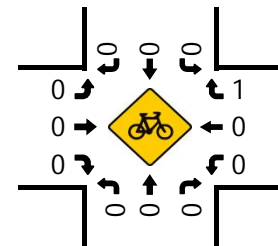
Day: Thursday  
Date: 10/18/2018



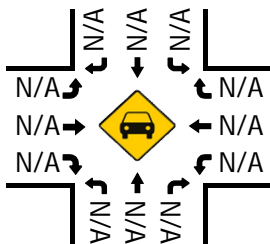
Total Vehicles (AM)



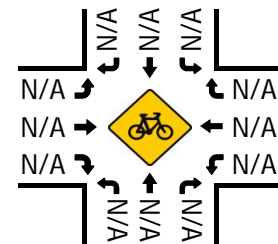
Bikes (AM)



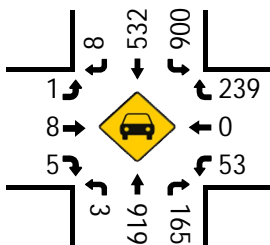
Total Vehicles (Noon)



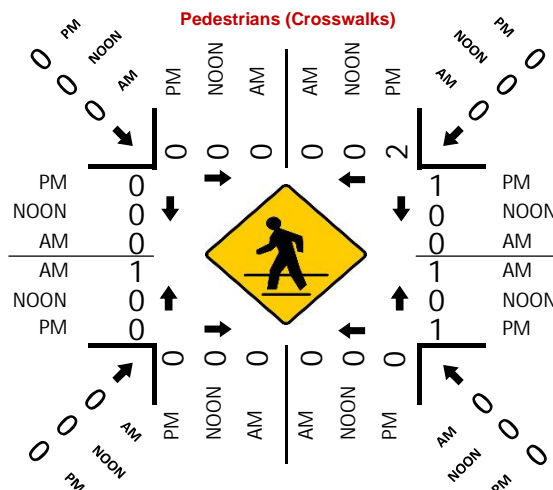
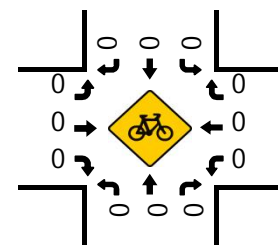
Bikes (NOON)



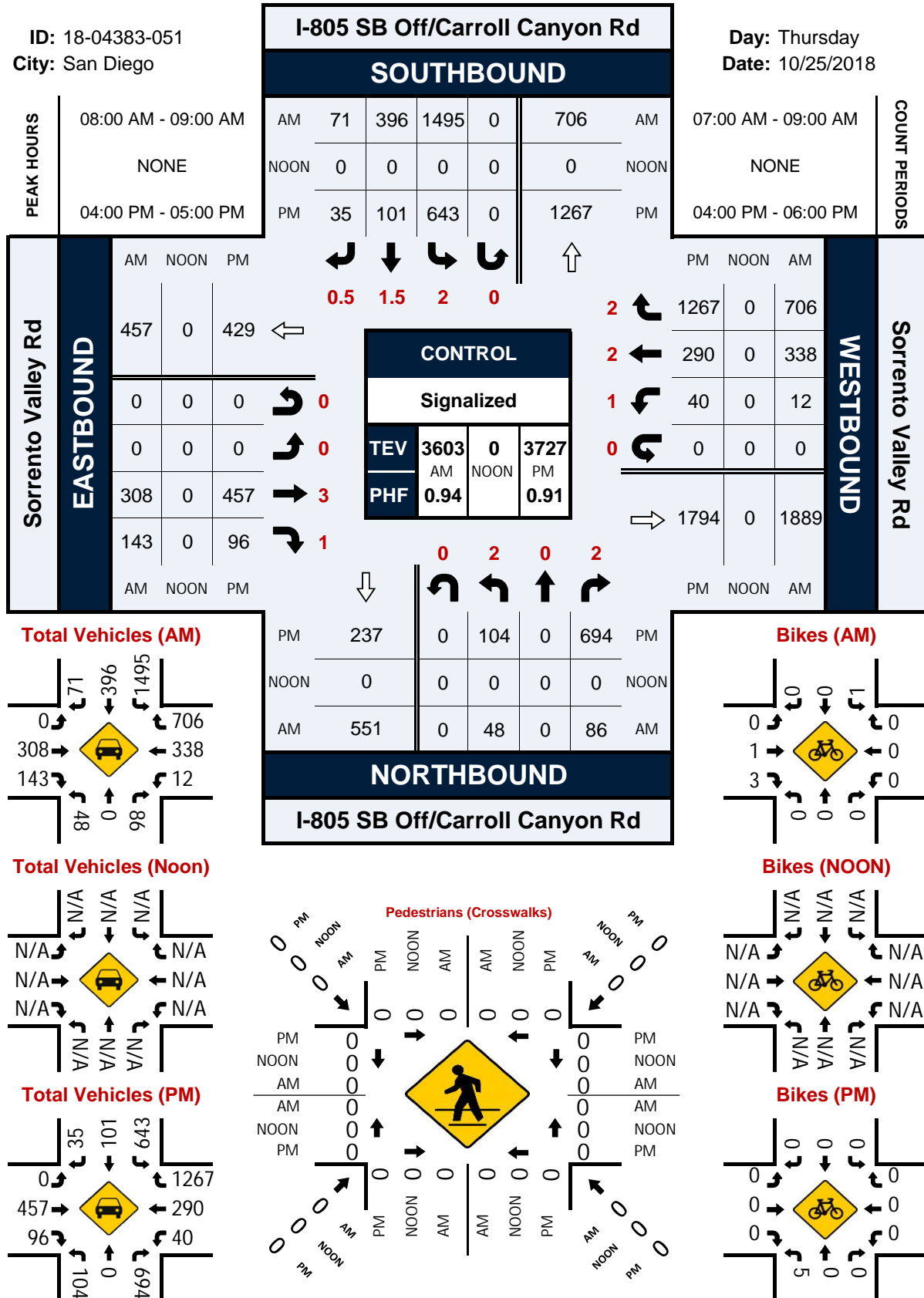
Total Vehicles (PM)



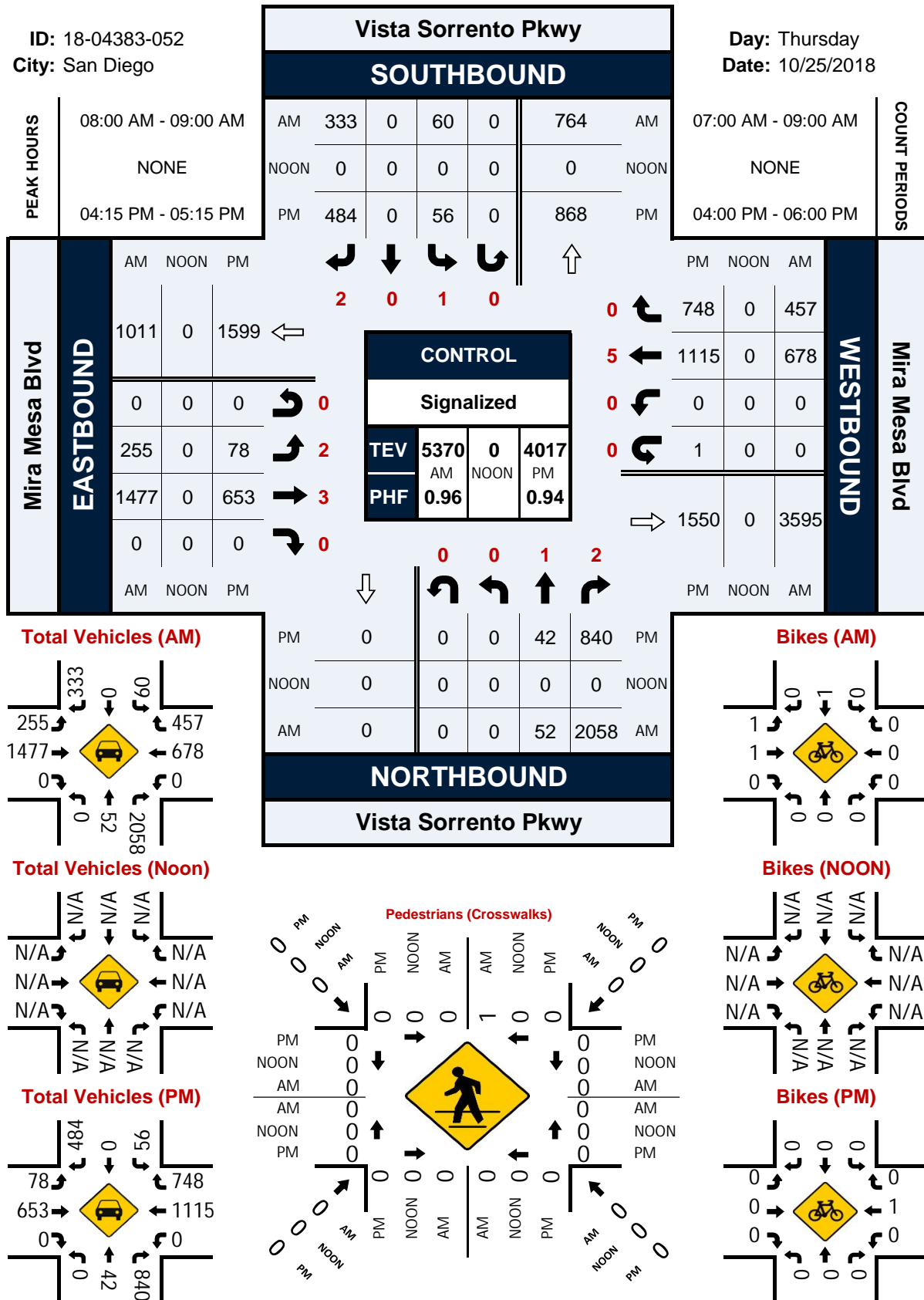
Bikes (PM)



**Day:** Thursday  
**Date:** 10/25/2018



**Day:** Thursday  
**Date:** 10/25/2018



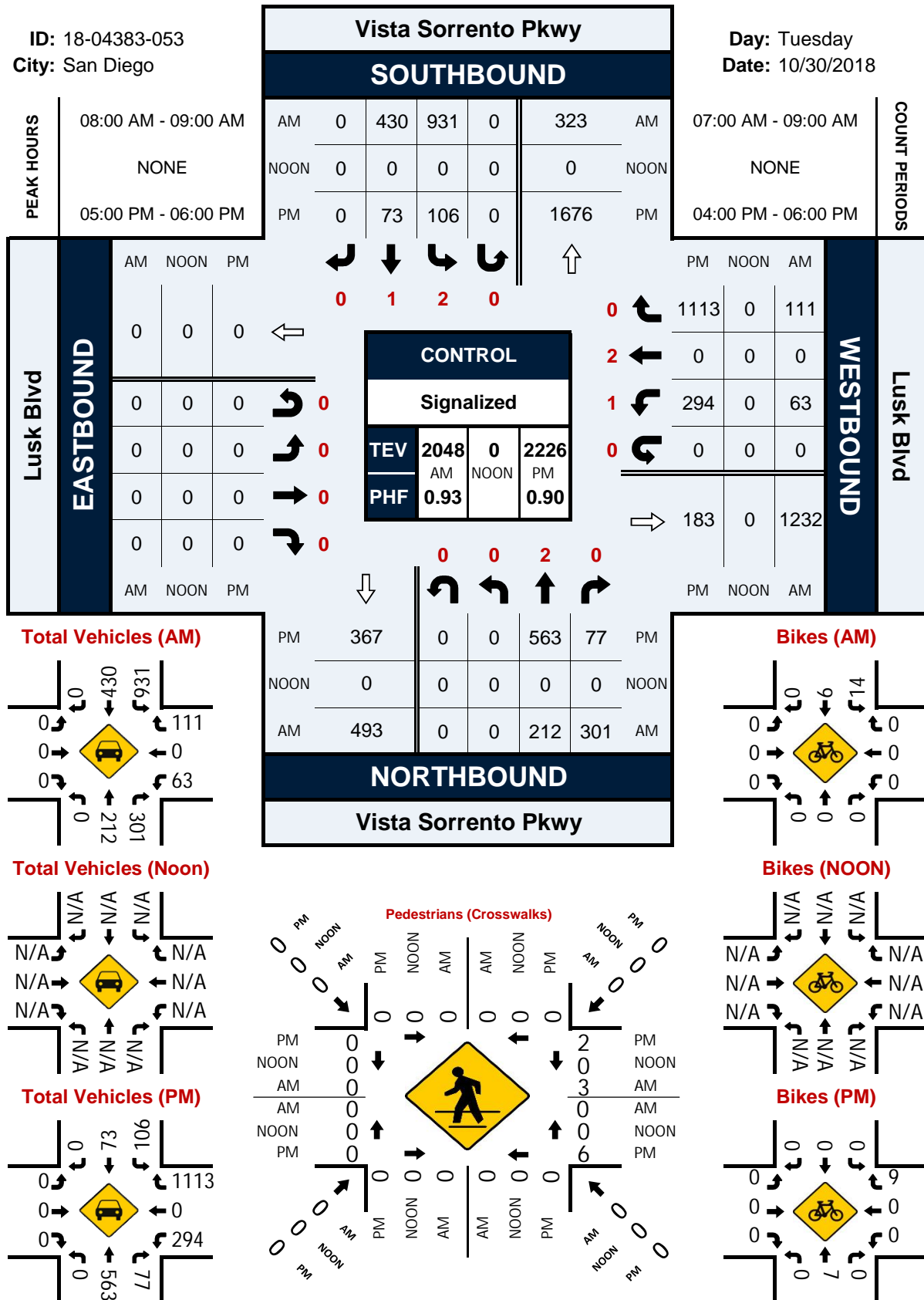


## Vista Sorrento Pkwy &amp; Lusk Blvd

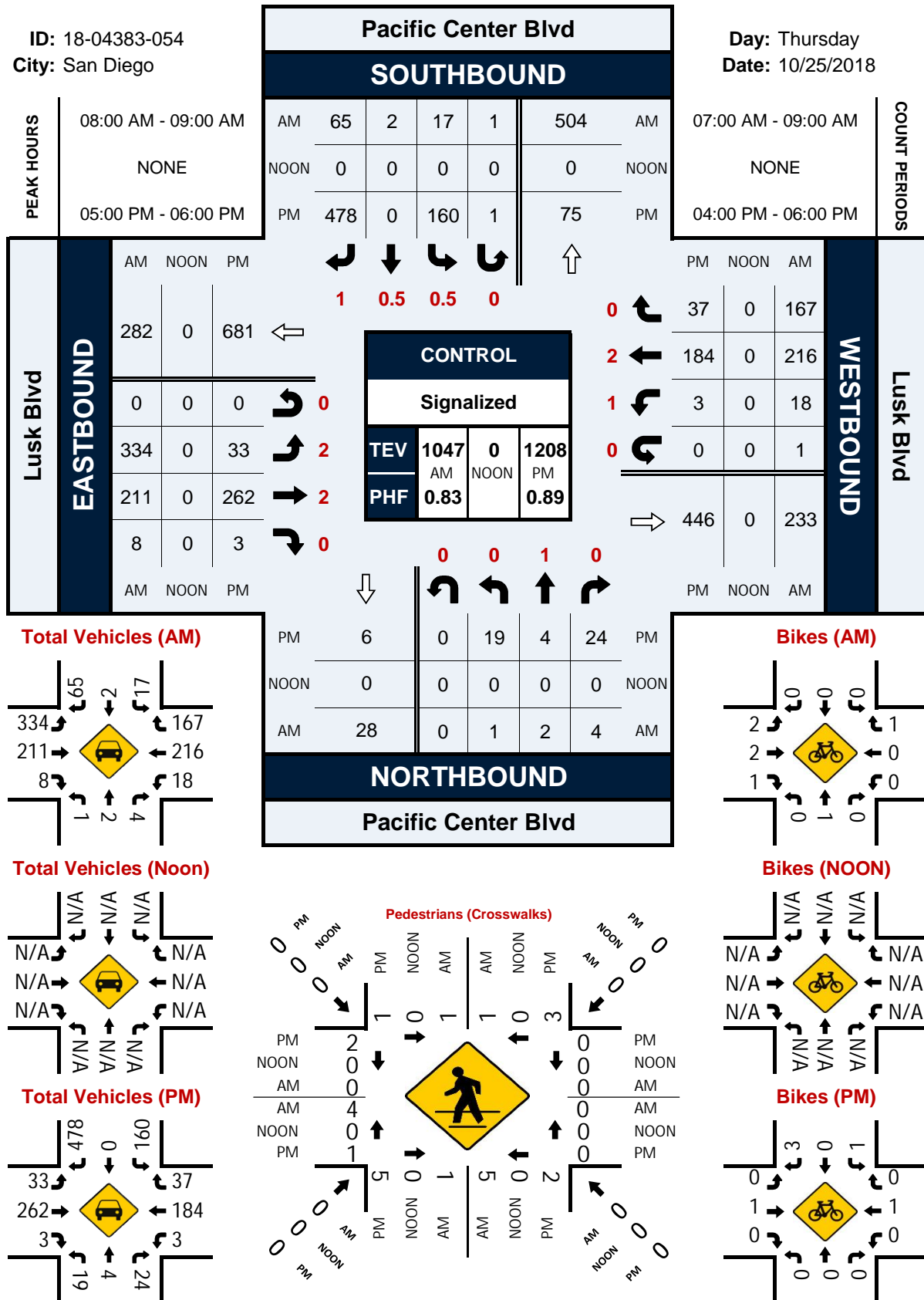
## Peak Hour Turning Movement Count

ID: 18-04383-053  
City: San Diego

Day: Tuesday  
Date: 10/30/2018



**Day:** Thursday  
**Date:** 10/25/2018

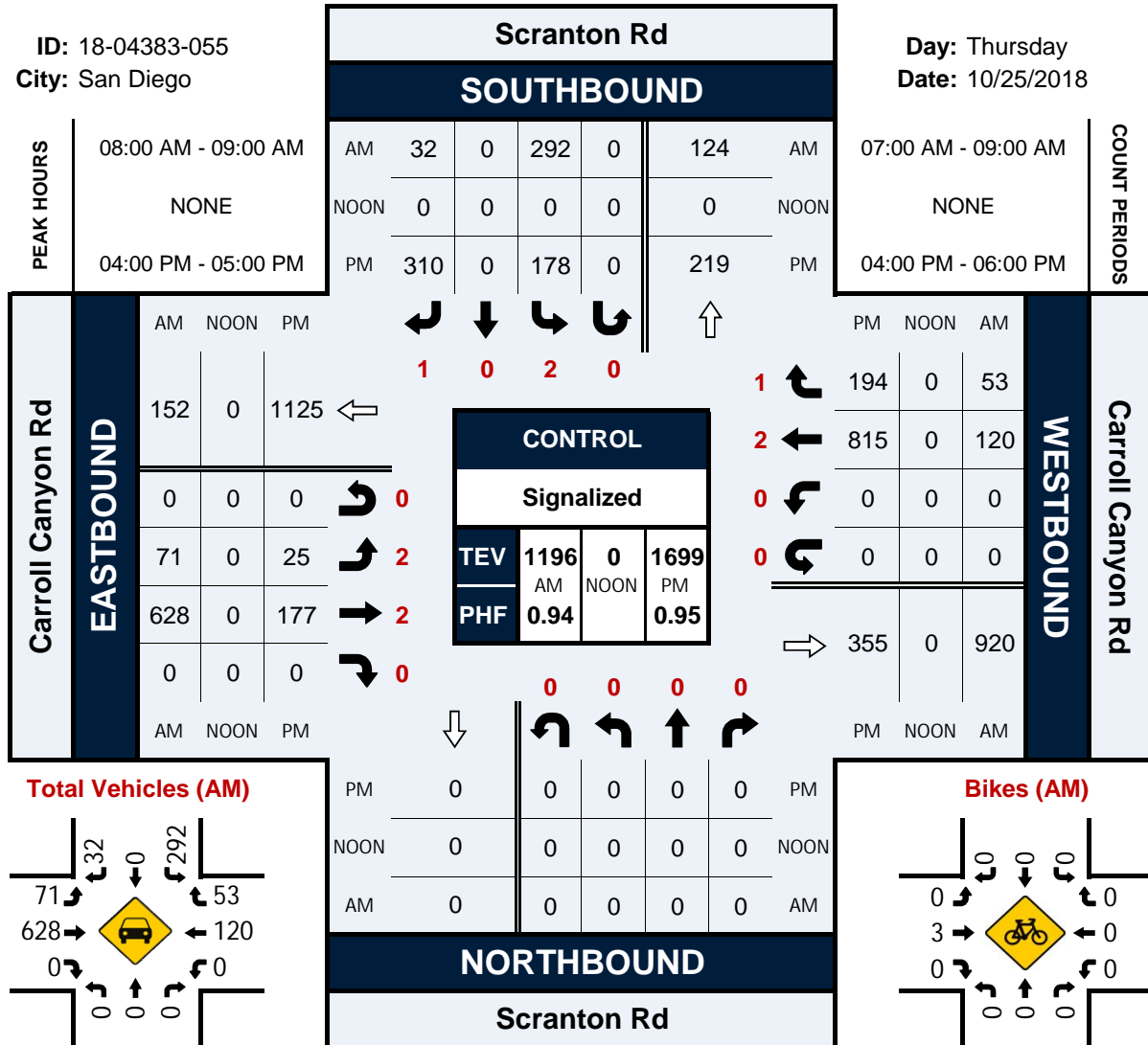


## Scranton Rd &amp; Carroll Canyon Rd

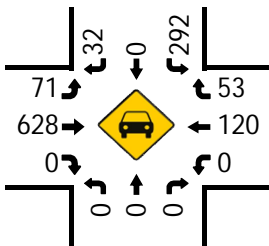
## Peak Hour Turning Movement Count

ID: 18-04383-055  
City: San Diego

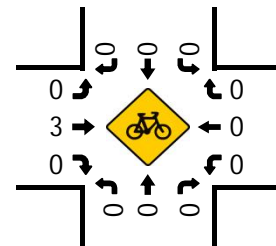
Day: Thursday  
Date: 10/25/2018



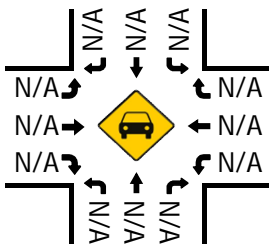
Total Vehicles (AM)



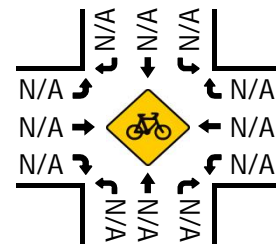
Bikes (AM)



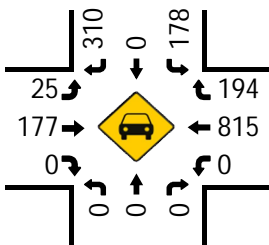
Total Vehicles (Noon)



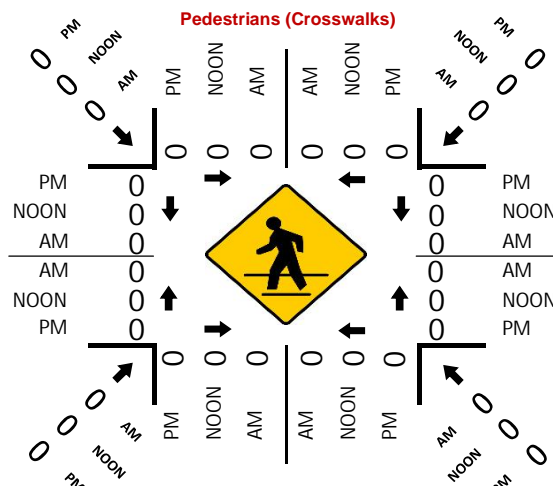
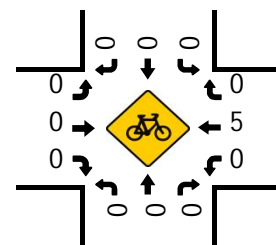
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)

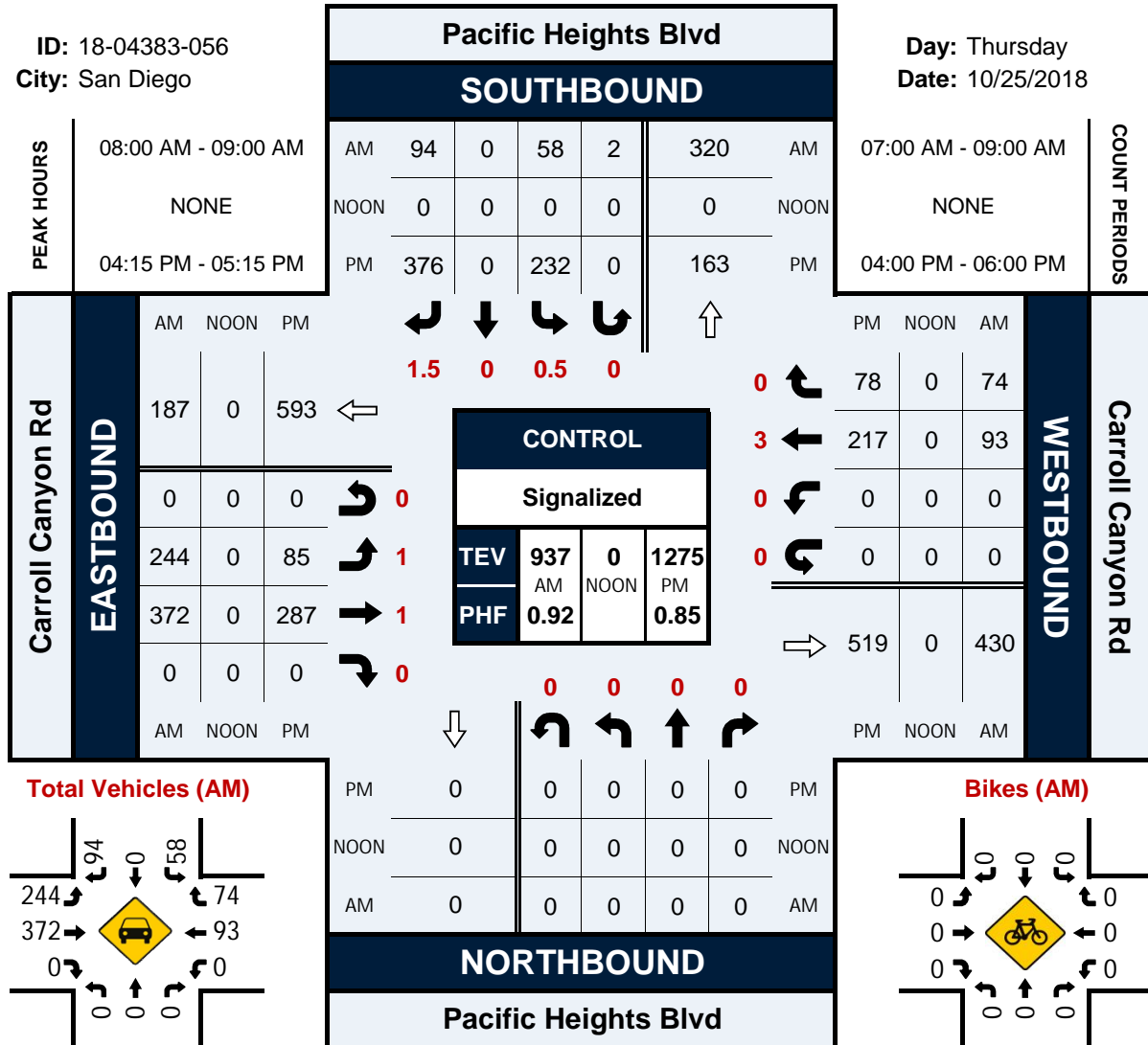


## Pacific Heights Blvd &amp; Carroll Canyon Rd

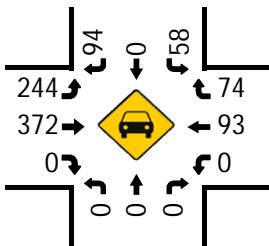
## Peak Hour Turning Movement Count

ID: 18-04383-056  
City: San Diego

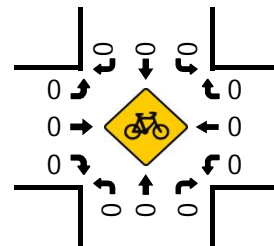
Day: Thursday  
Date: 10/25/2018



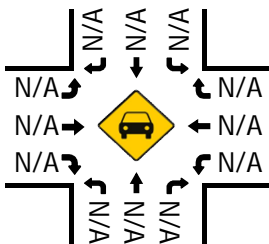
Total Vehicles (AM)



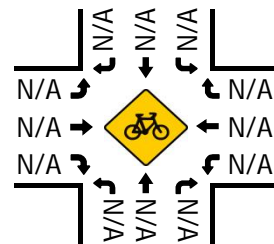
Bikes (AM)



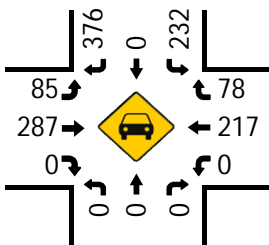
Total Vehicles (Noon)



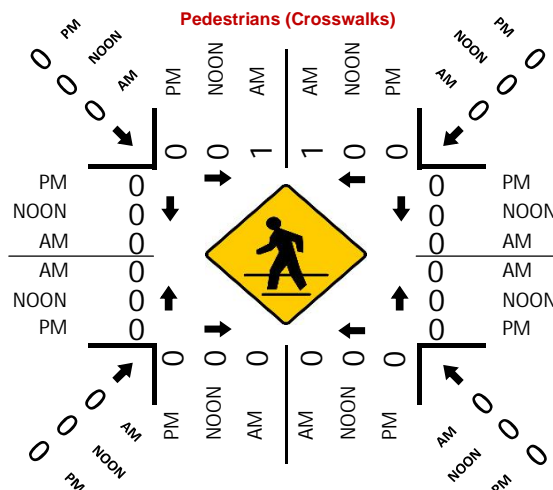
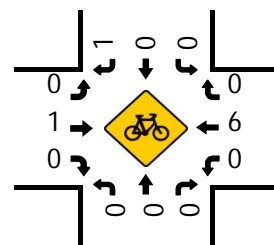
Bikes (NOON)



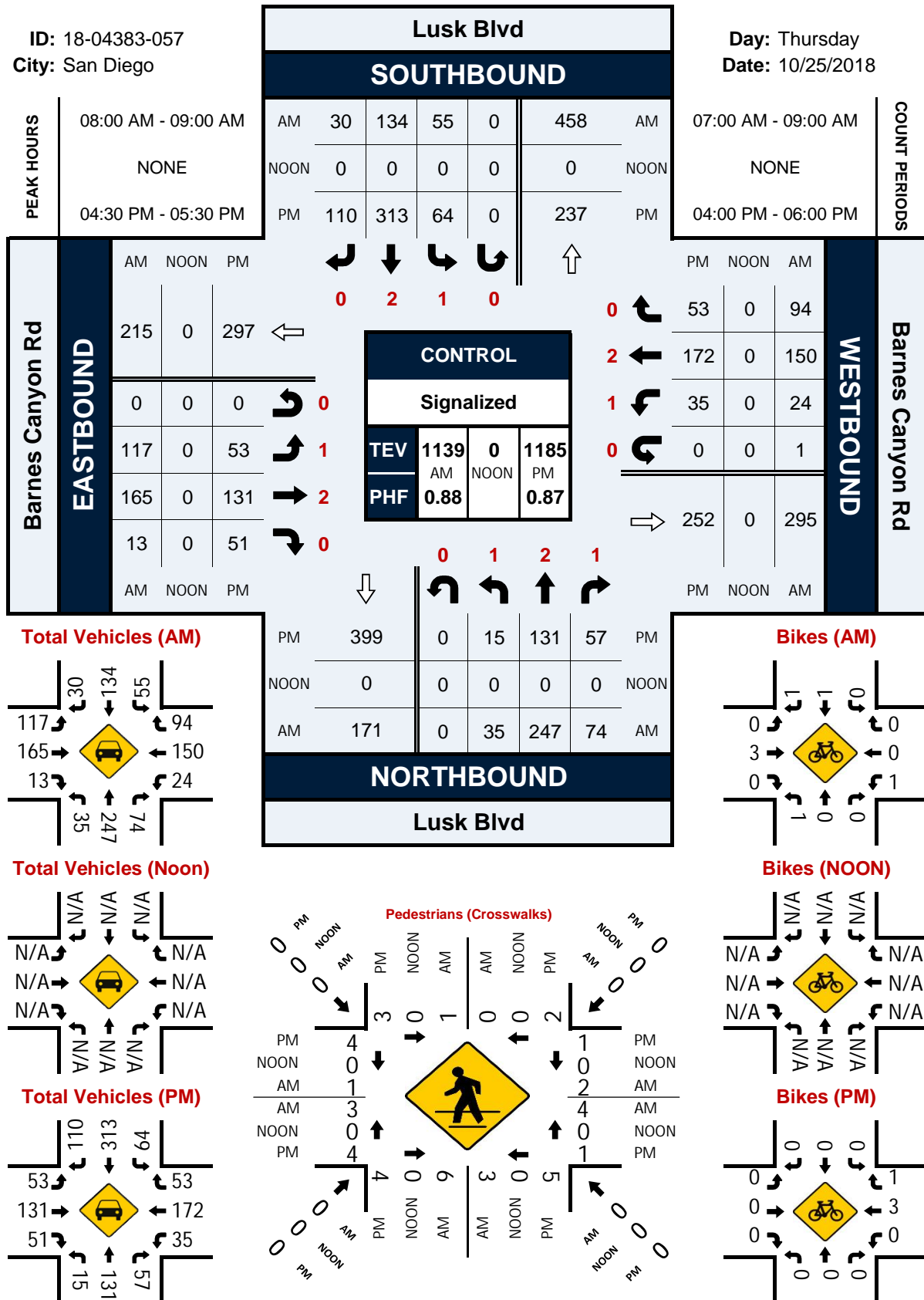
Total Vehicles (PM)



Bikes (PM)



**Day:** Thursday  
**Date:** 10/25/2018



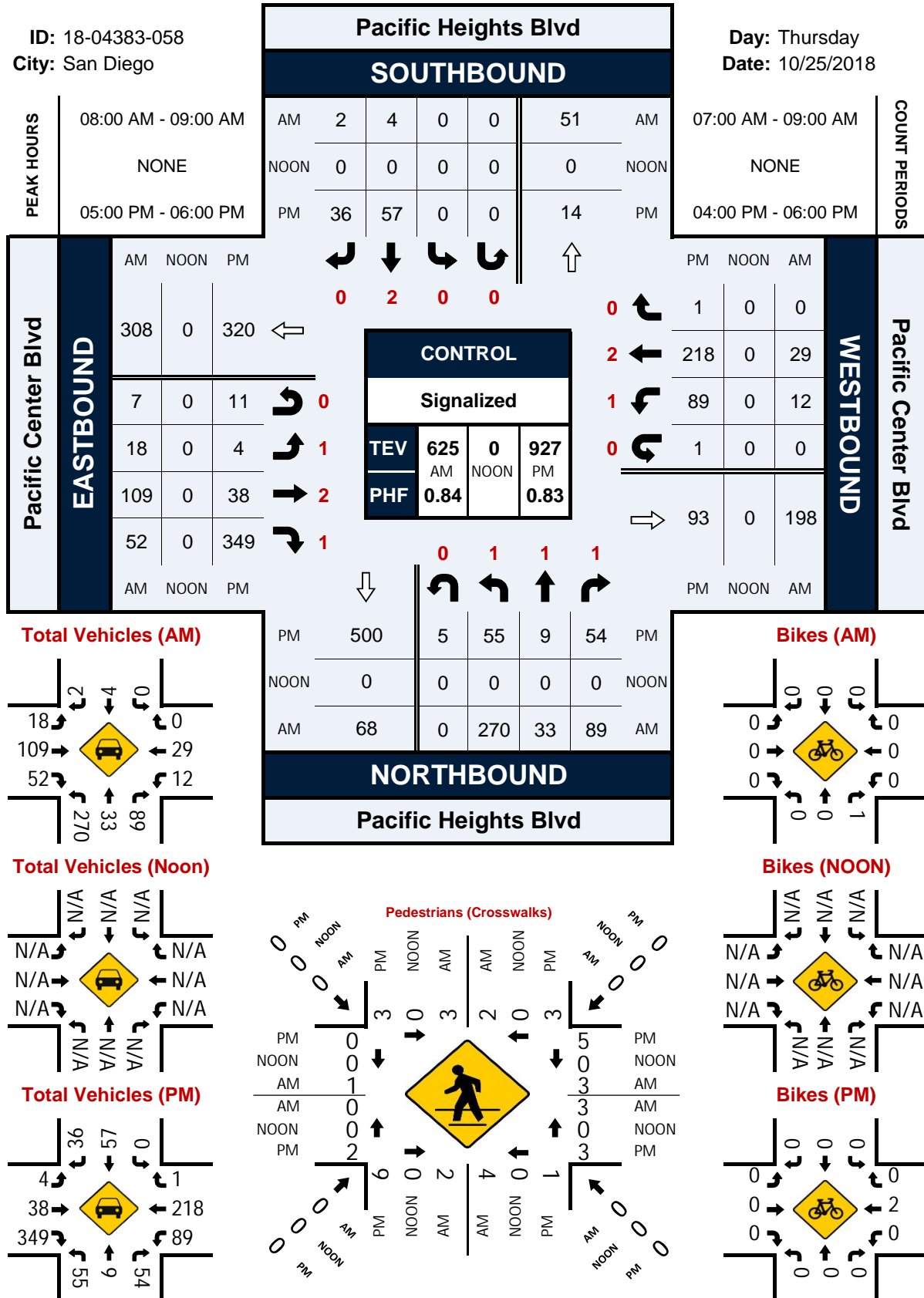


## Pacific Heights Blvd &amp; Pacific Center Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-058  
City: San Diego

Day: Thursday  
Date: 10/25/2018

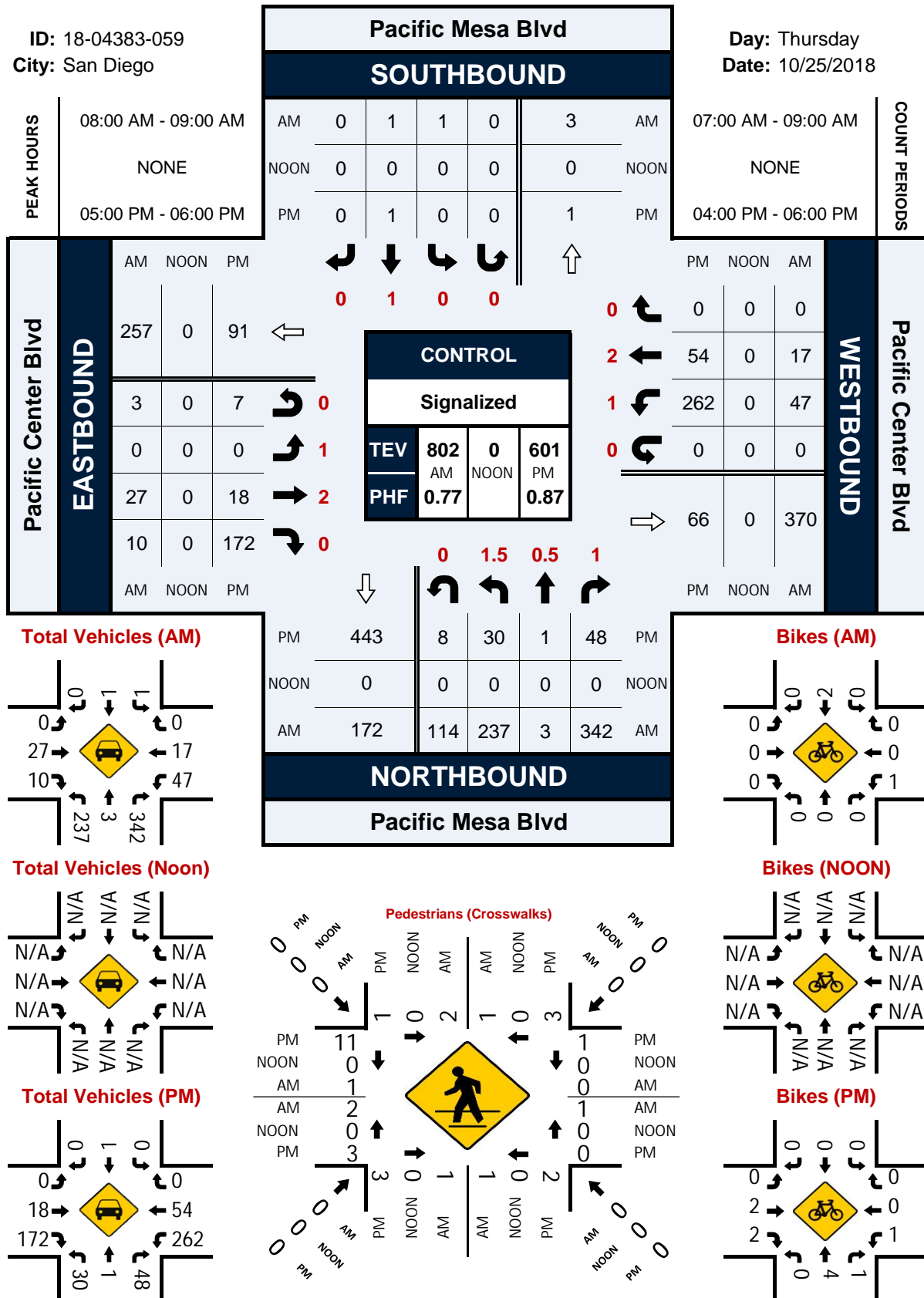


## Pacific Mesa Blvd &amp; Pacific Center Blvd

## Peak Hour Turning Movement Count

ID: 18-04383-059  
City: San Diego

Day: Thursday  
Date: 10/25/2018

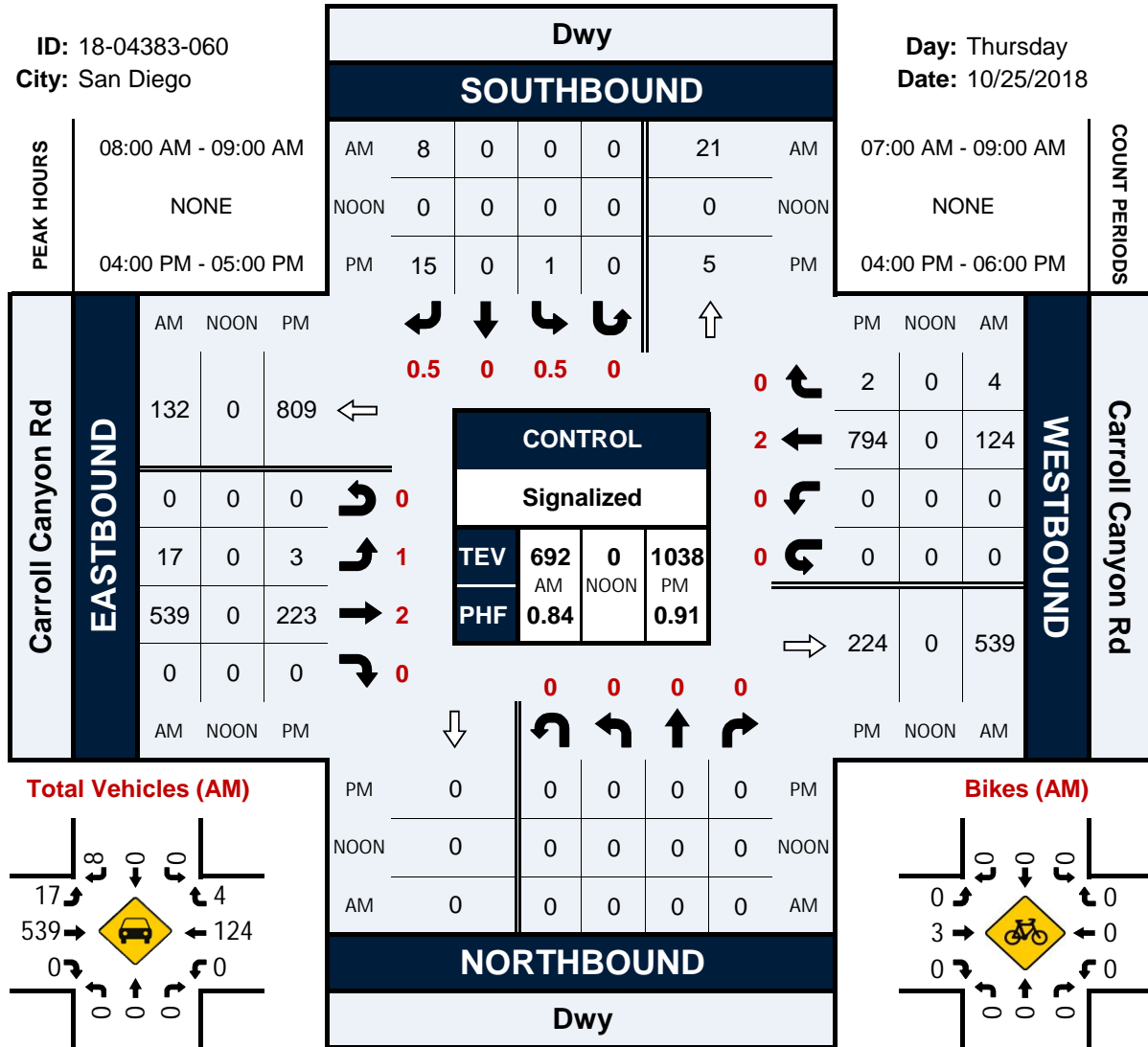


# Dwy & Carroll Canyon Rd

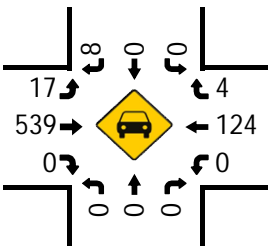
## Peak Hour Turning Movement Count

ID: 18-04383-060  
City: San Diego

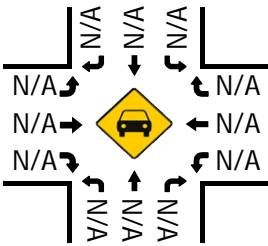
Day: Thursday  
Date: 10/25/2018



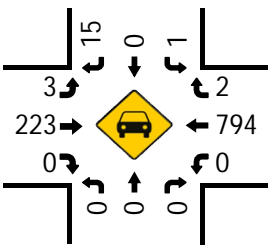
Total Vehicles (AM)



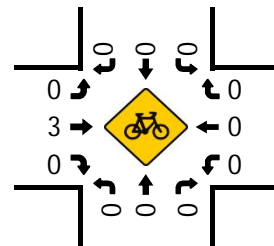
Total Vehicles (Noon)



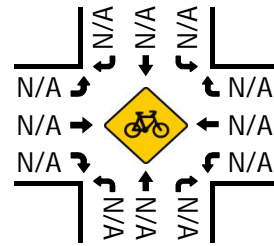
Total Vehicles (PM)



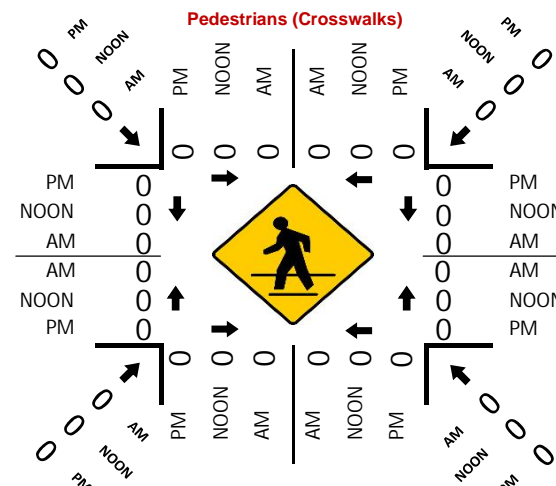
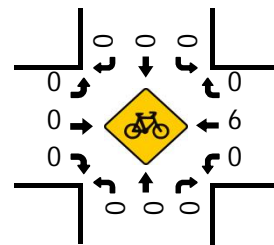
Bikes (AM)



Bikes (NOON)



Bikes (PM)

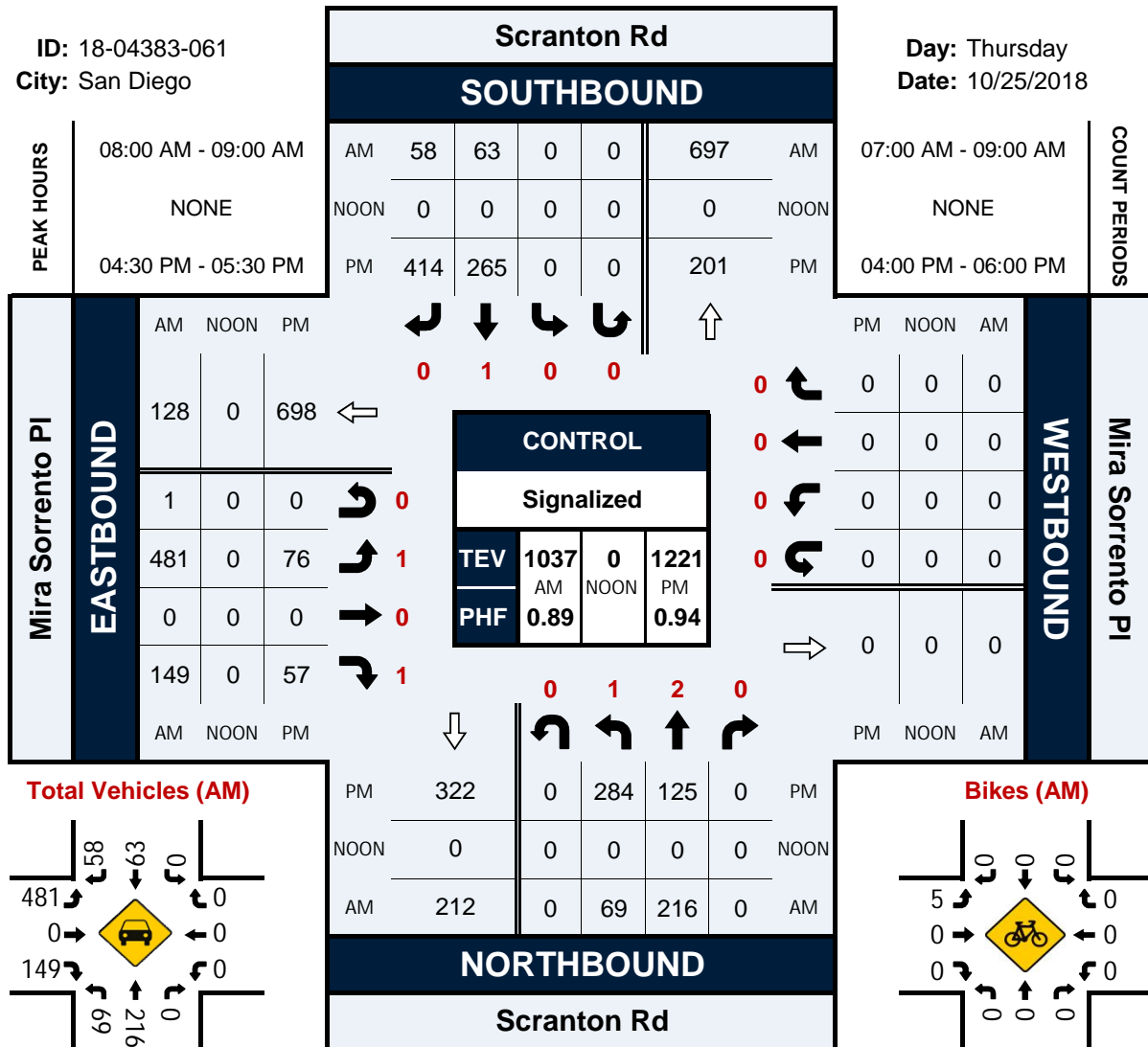


## Scranton Rd &amp; Mira Sorrento PI

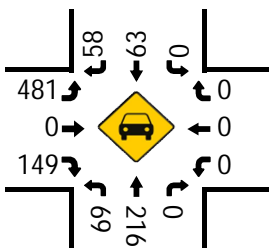
## Peak Hour Turning Movement Count

ID: 18-04383-061  
City: San Diego

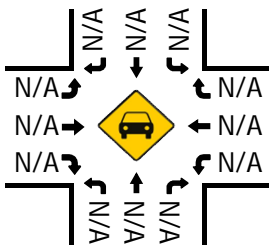
Day: Thursday  
Date: 10/25/2018



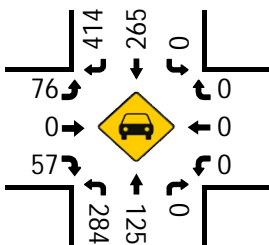
Total Vehicles (AM)



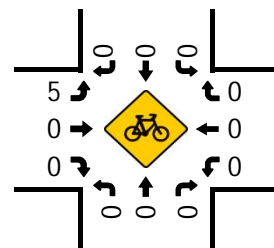
Total Vehicles (Noon)



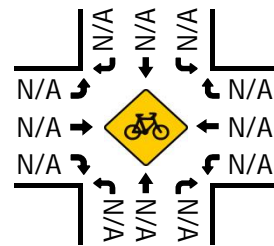
Total Vehicles (PM)



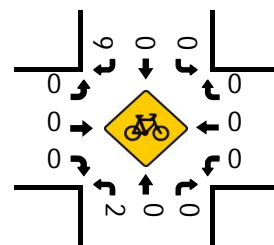
Bikes (AM)



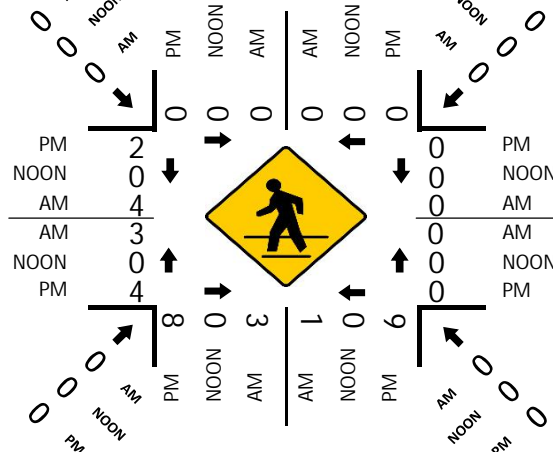
Bikes (Noon)



Bikes (PM)



Pedestrians (Crosswalks)

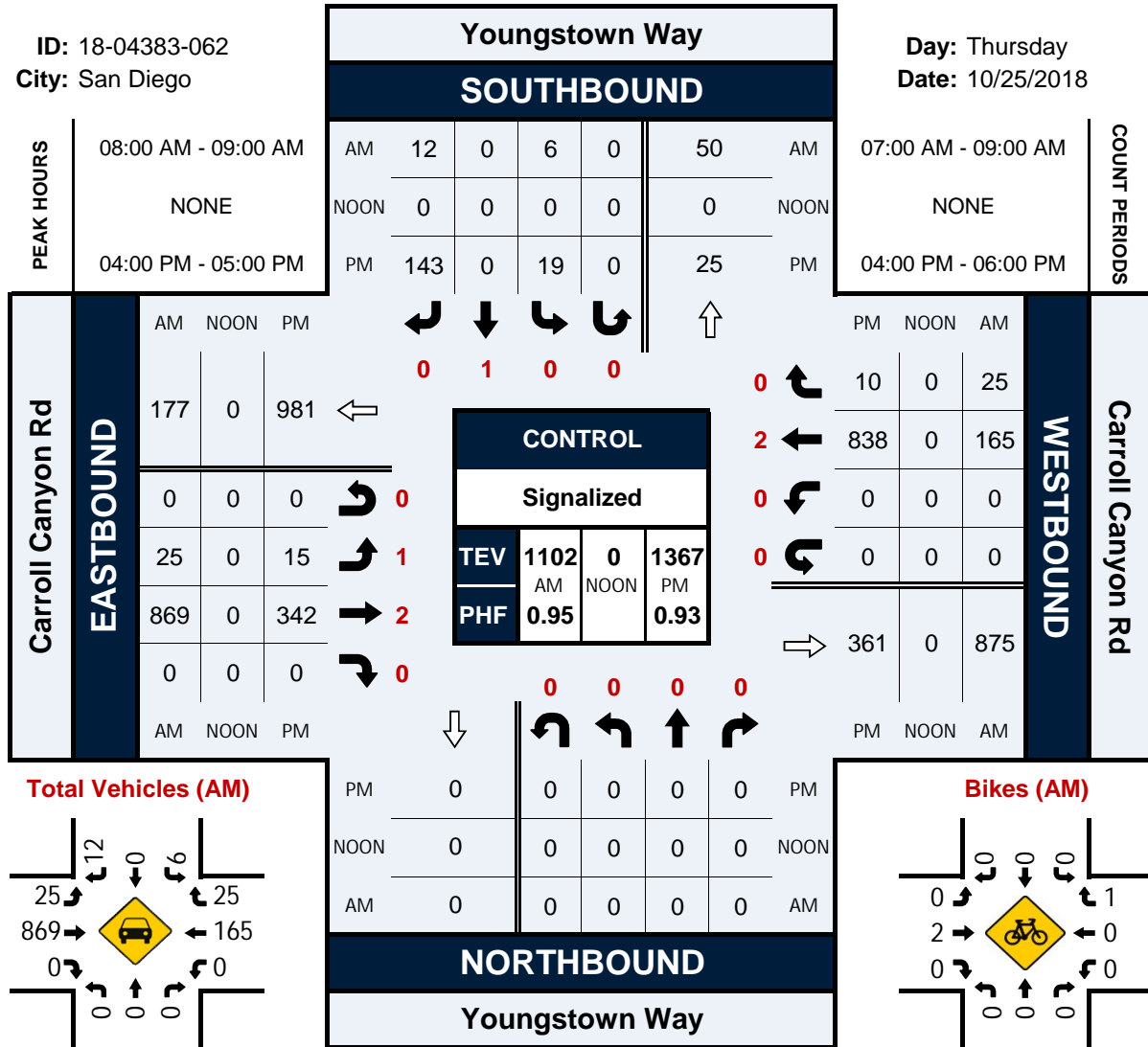


# Youngstown Way & Carroll Canyon Rd

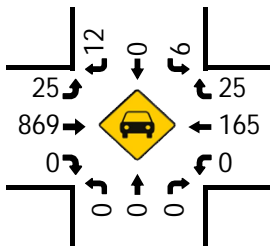
## Peak Hour Turning Movement Count

ID: 18-04383-062  
City: San Diego

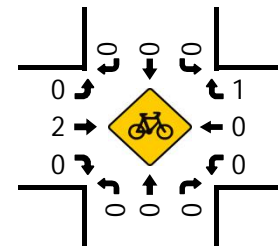
Day: Thursday  
Date: 10/25/2018



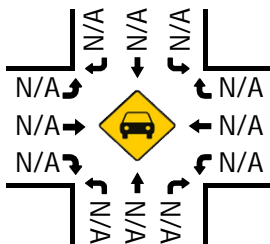
Total Vehicles (AM)



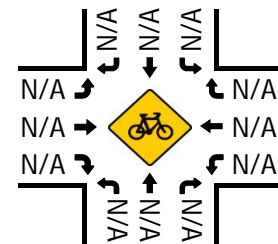
Bikes (AM)



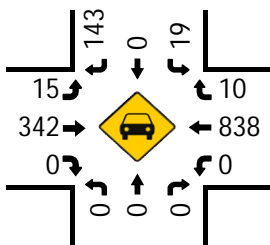
Total Vehicles (Noon)



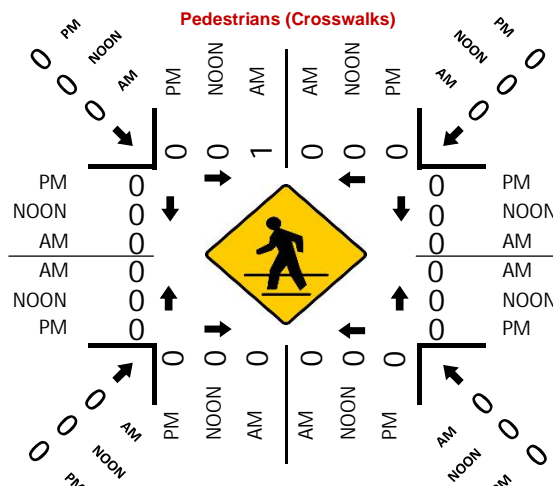
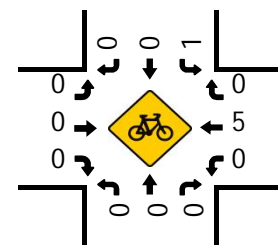
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)



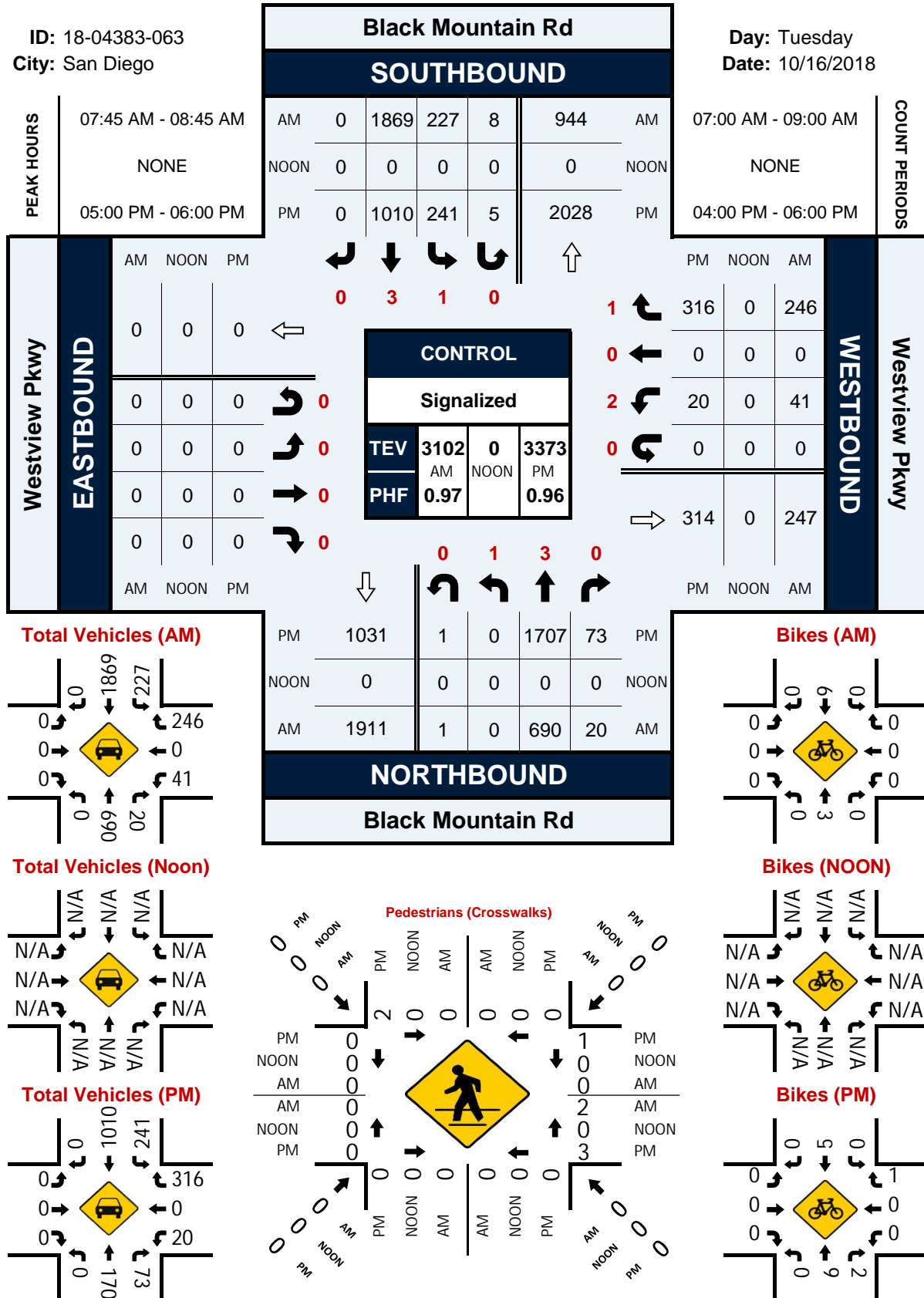


## Black Mountain Rd &amp; Westview Pkwy

## Peak Hour Turning Movement Count

ID: 18-04383-063  
City: San Diego

Day: Tuesday  
Date: 10/16/2018

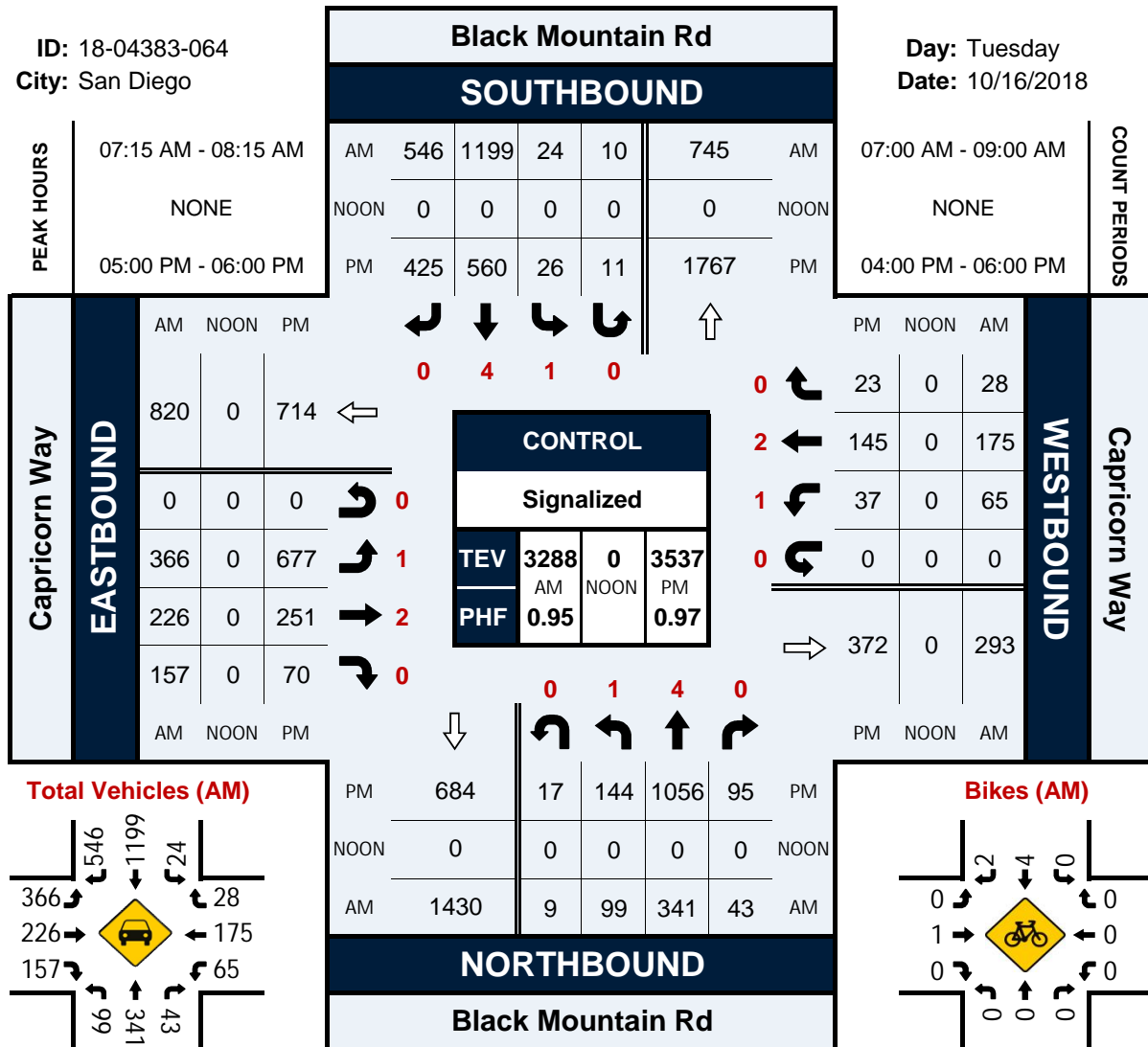


## Black Mountain Rd &amp; Capricorn Way

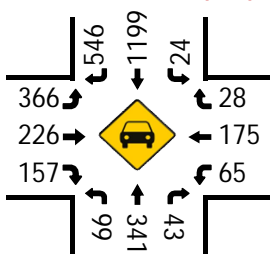
## Peak Hour Turning Movement Count

ID: 18-04383-064  
City: San Diego

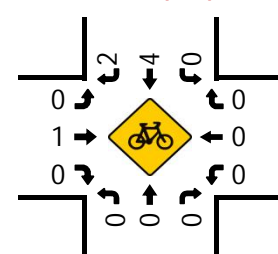
Day: Tuesday  
Date: 10/16/2018



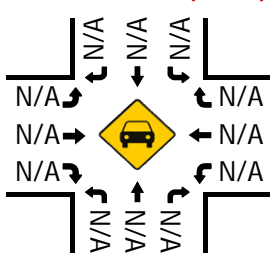
Total Vehicles (AM)



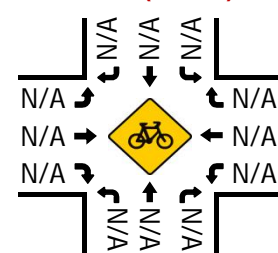
Bikes (AM)



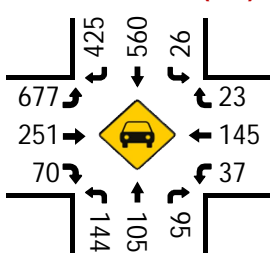
Total Vehicles (Noon)



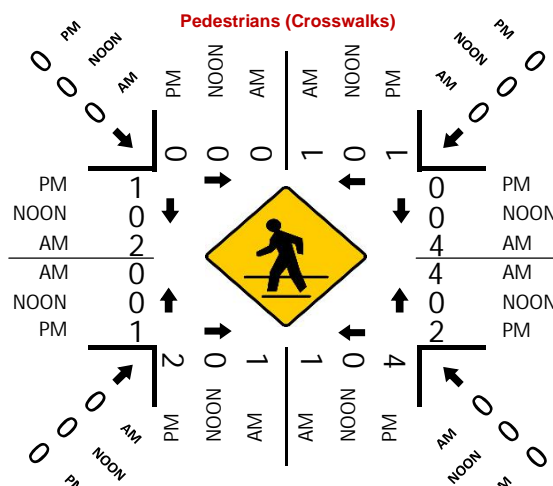
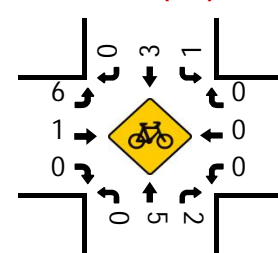
Bikes (Noon)



Total Vehicles (PM)



Bikes (PM)

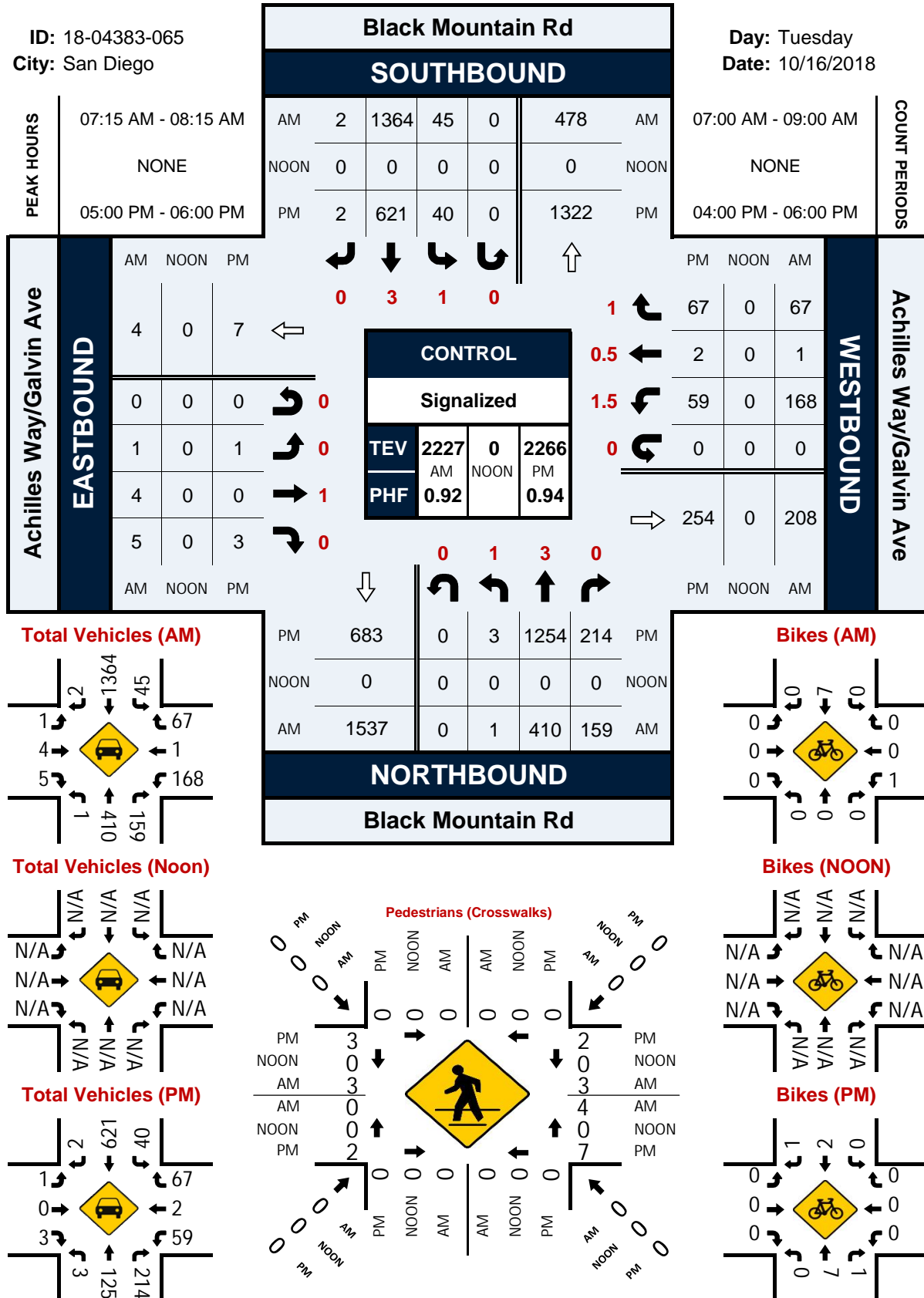


# Black Mountain Rd & Achilles Way/Galvin Ave

## Peak Hour Turning Movement Count

ID: 18-04383-065  
City: San Diego

Day: Tuesday  
Date: 10/16/2018

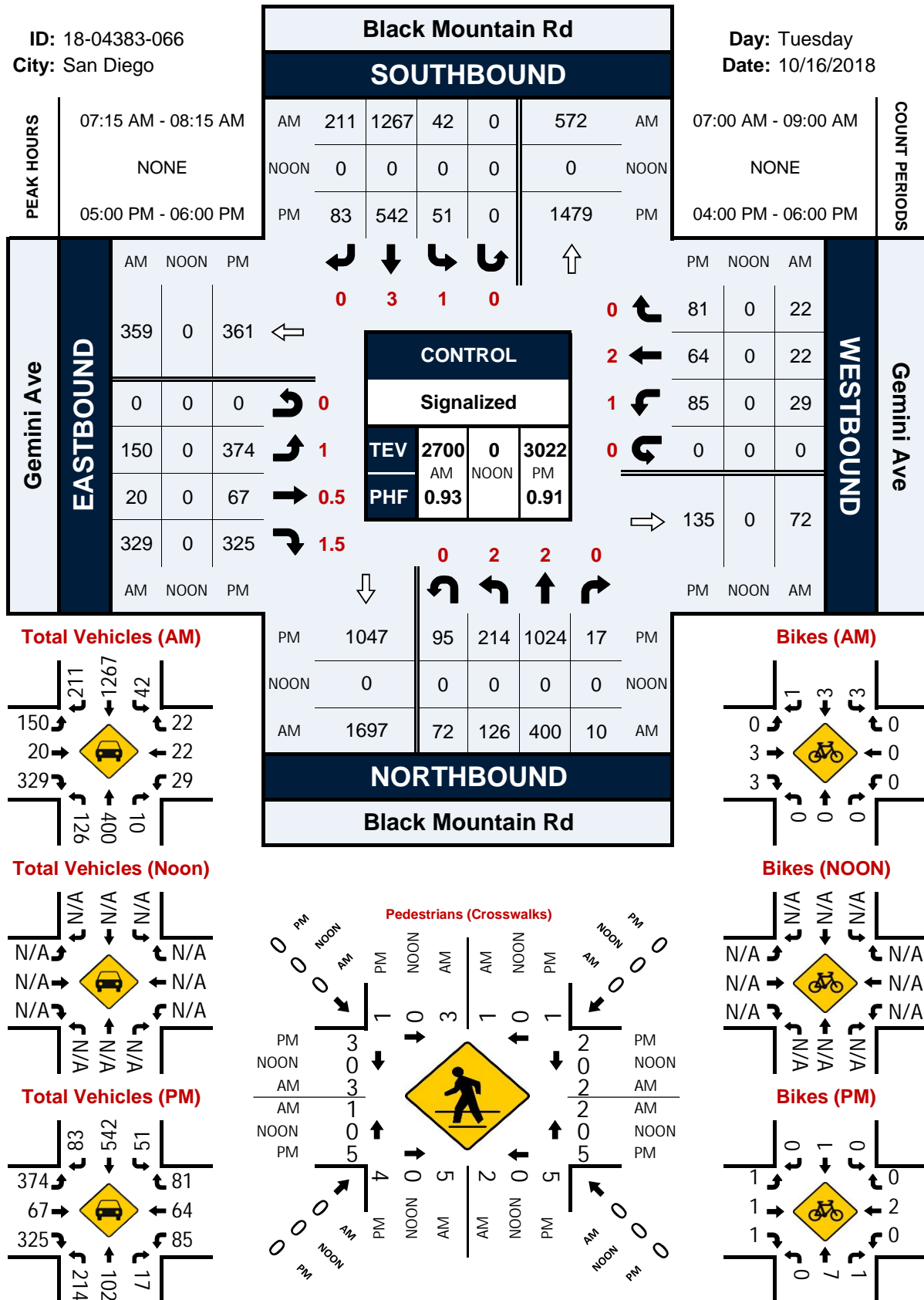


## Black Mountain Rd &amp; Gemini Ave

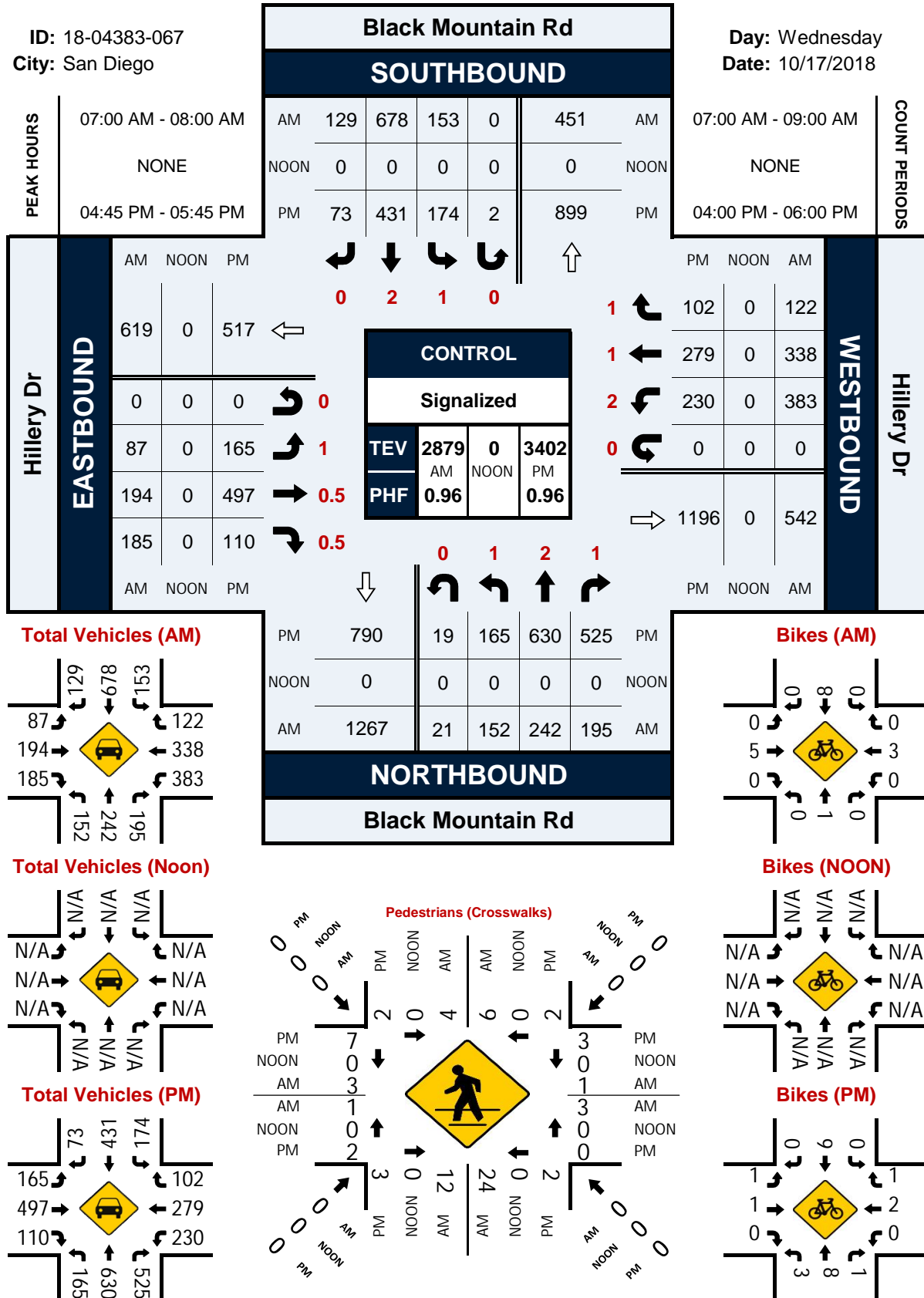
## Peak Hour Turning Movement Count

ID: 18-04383-066  
City: San Diego

Day: Tuesday  
Date: 10/16/2018



**Day:** Wednesday  
**Date:** 10/17/2018



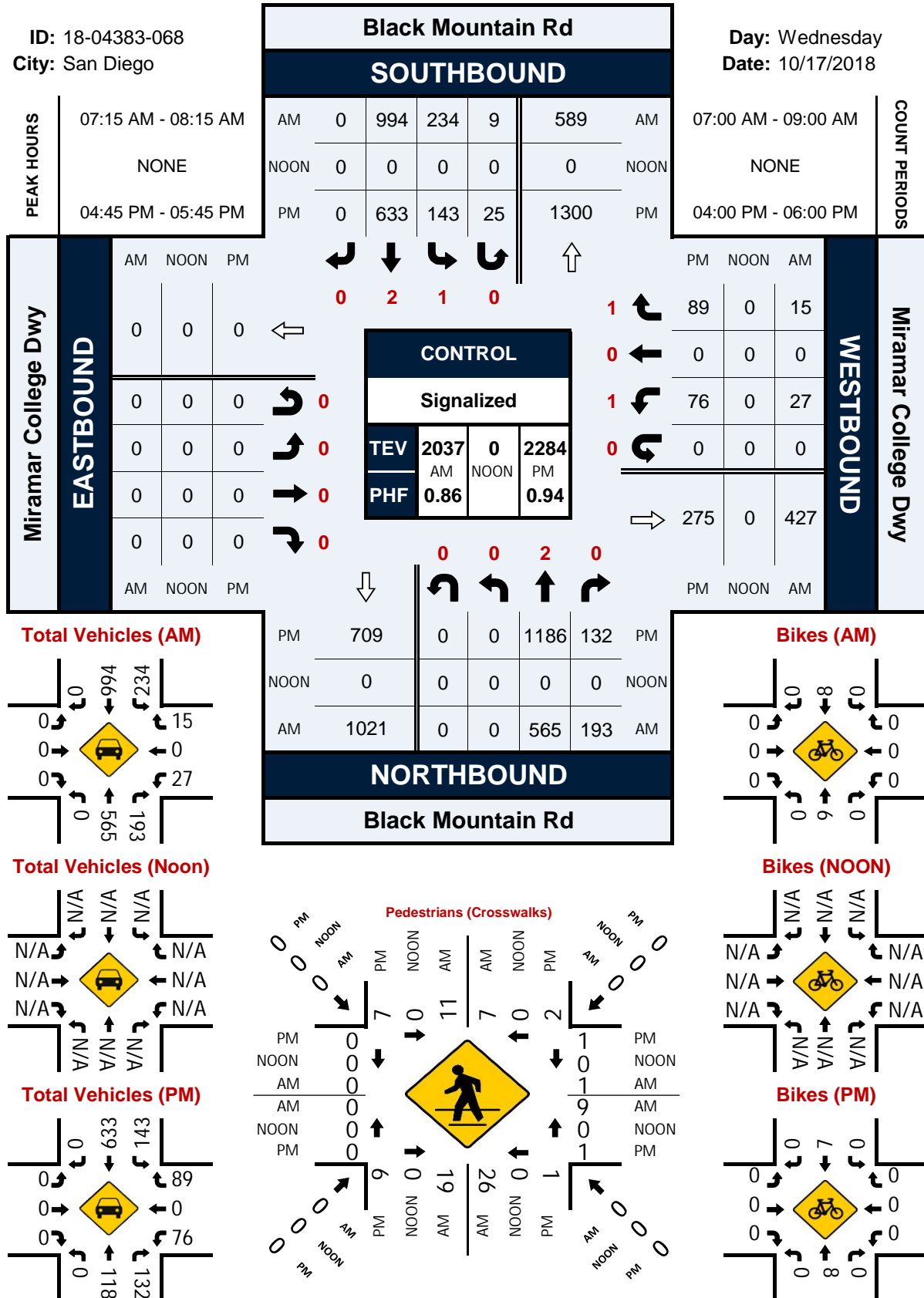


# Black Mountain Rd & Miramar College Dwy

## Peak Hour Turning Movement Count

ID: 18-04383-068  
City: San Diego

Day: Wednesday  
Date: 10/17/2018

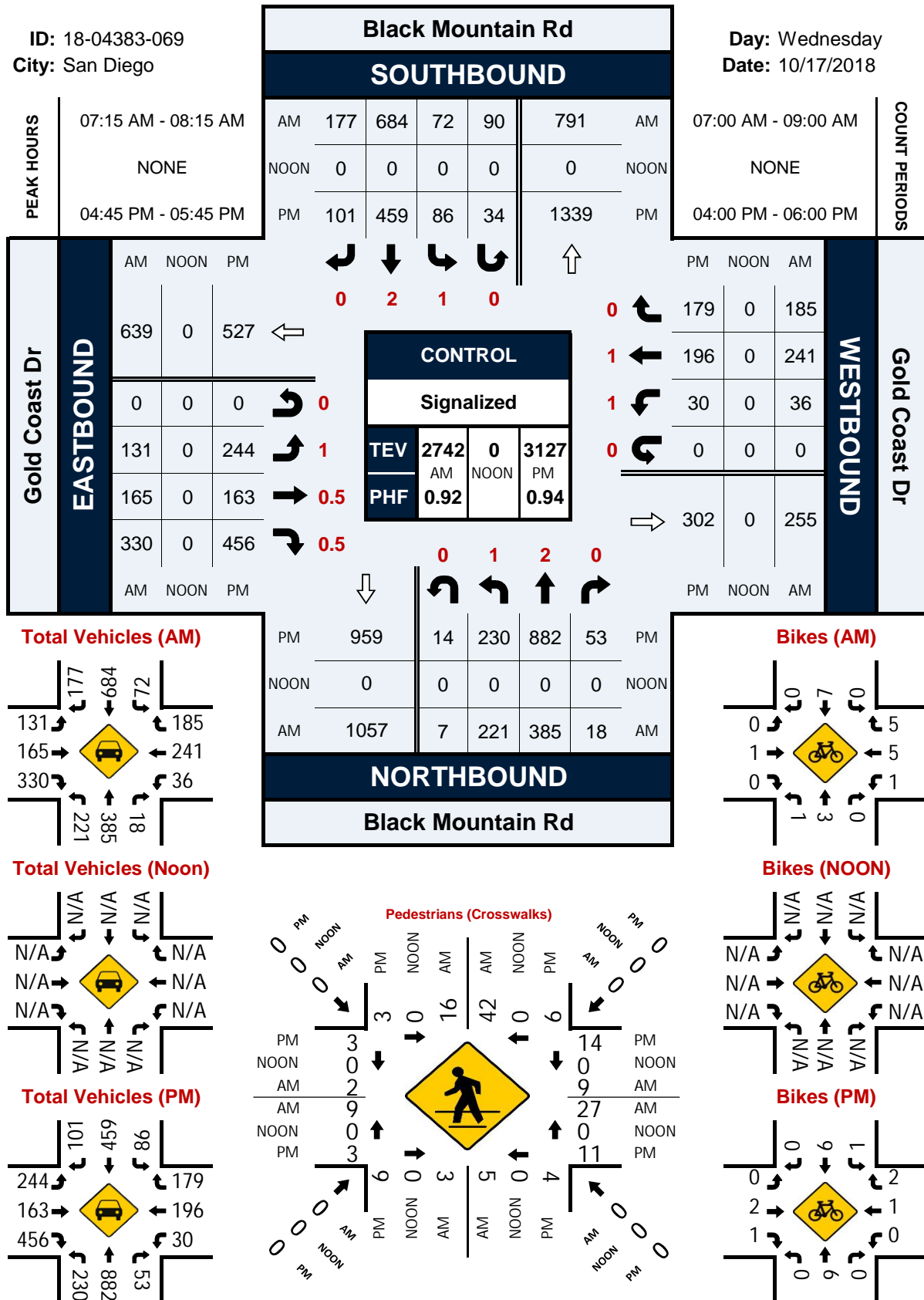


# Black Mountain Rd & Gold Coast Dr

## Peak Hour Turning Movement Count

ID: 18-04383-069  
City: San Diego

Day: Wednesday  
Date: 10/17/2018

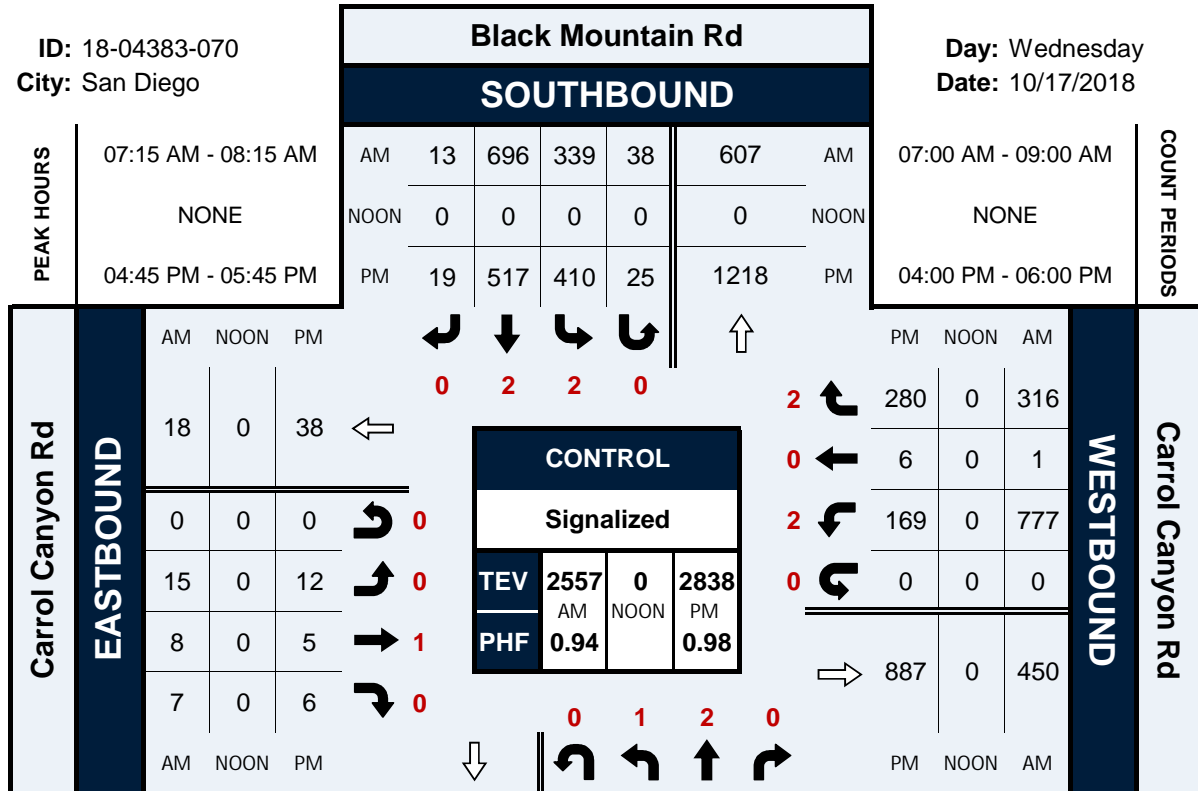


## Black Mountain Rd &amp; Carrol Canyon Rd

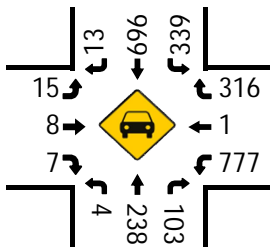
## Peak Hour Turning Movement Count

ID: 18-04383-070  
City: San Diego

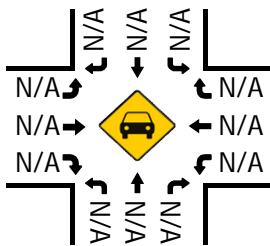
Day: Wednesday  
Date: 10/17/2018



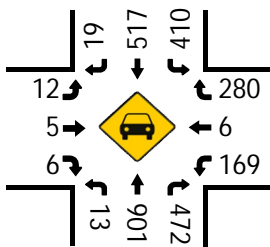
Total Vehicles (AM)



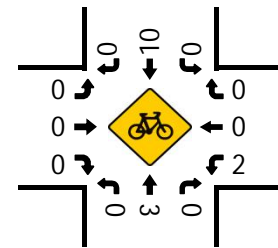
Total Vehicles (Noon)



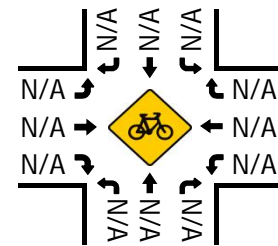
Total Vehicles (PM)



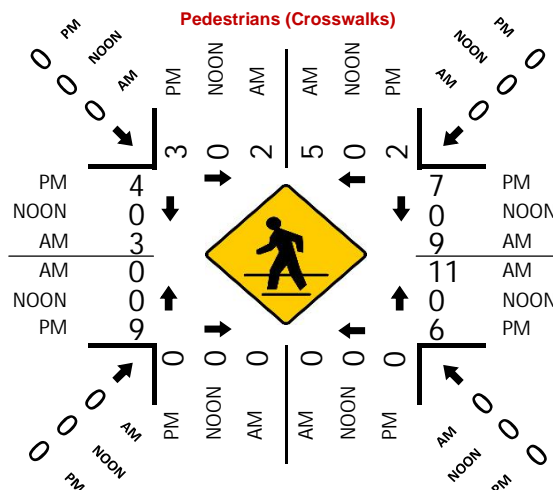
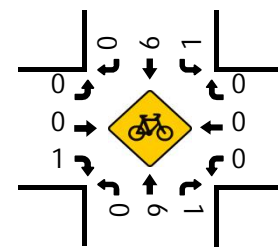
Bikes (AM)



Bikes (Noon)



Bikes (PM)

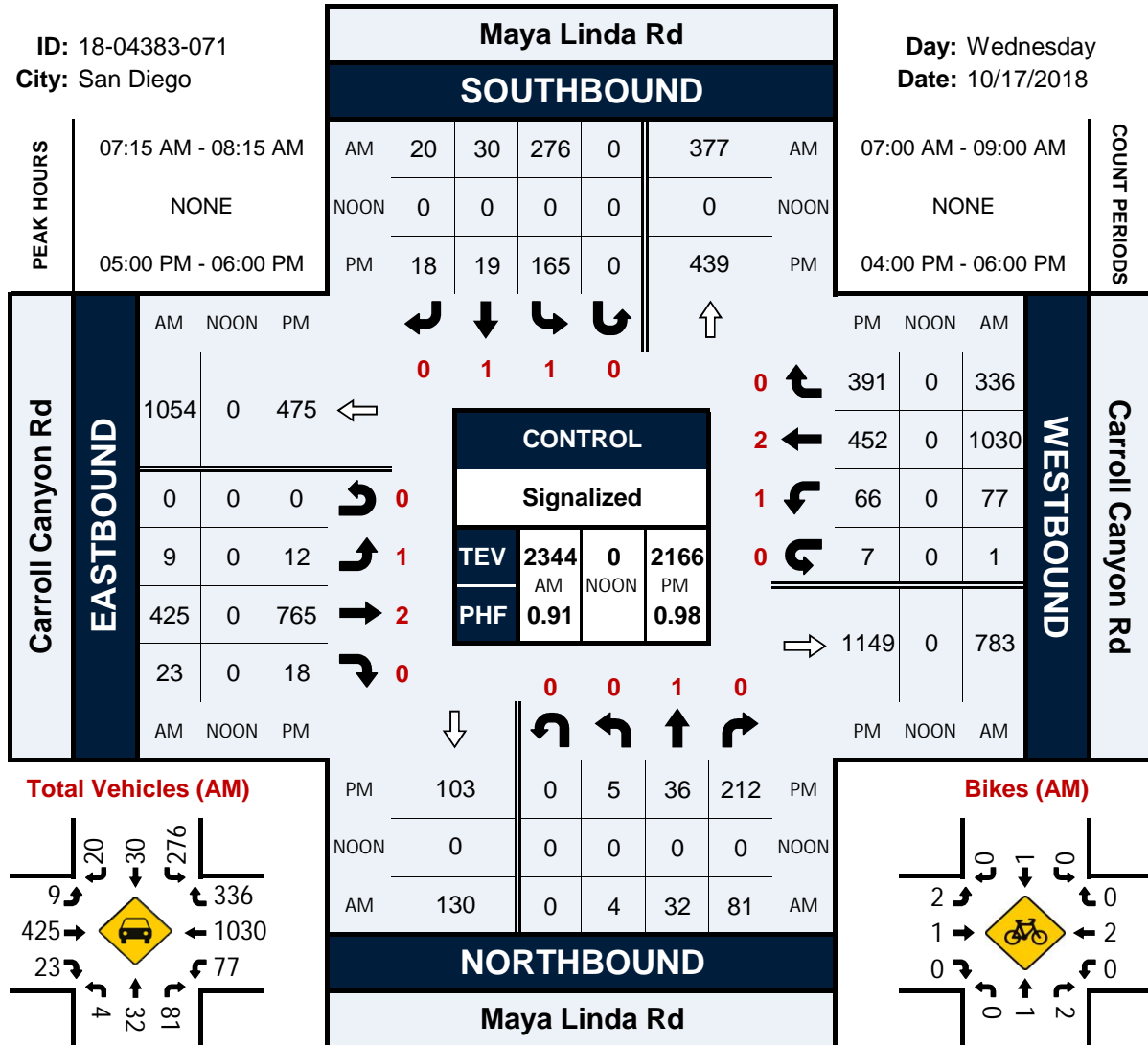


## Maya Linda Rd &amp; Carroll Canyon Rd

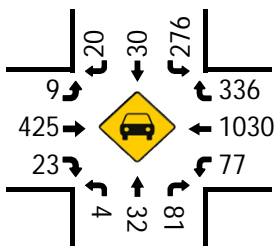
## Peak Hour Turning Movement Count

ID: 18-04383-071  
City: San Diego

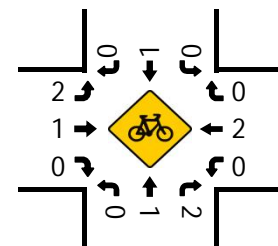
Day: Wednesday  
Date: 10/17/2018



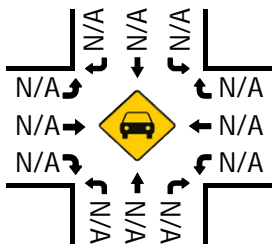
Total Vehicles (AM)



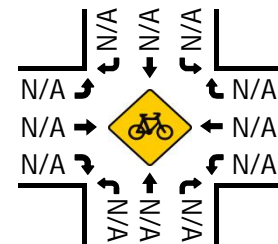
Bikes (AM)



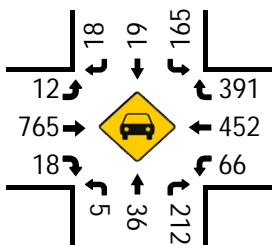
Total Vehicles (Noon)



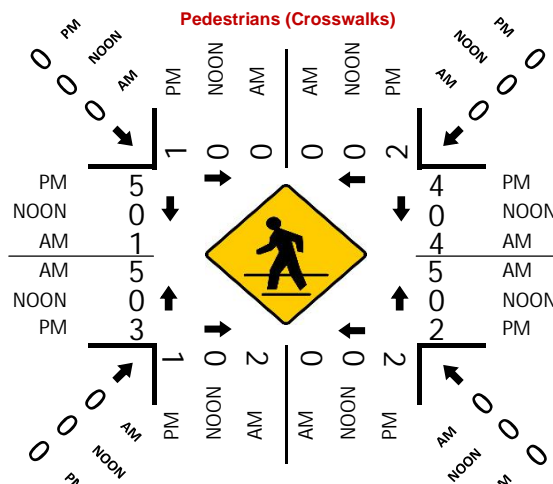
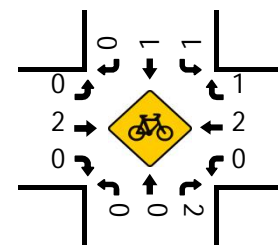
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)



**ID:** 18-04383-072  
**City:** San Diego

**Day:** Wednesday  
**Date:** 10/17/2018

PEAK HOURS		Black Mountain Rd SOUTHBOUND						COUNT PERIODS		
07:30 AM - 08:30 AM		AM	25	1485	8	3		336	AM	07:00 AM - 09:00 AM
NONE		NOON	0	0	0	0		0	NOON	NONE
05:00 PM - 06:00 PM		PM	4	656	21	4		1374	PM	04:00 PM - 06:00 PM

Maya Linda Rd EASTBOUND		CONTROL		Maya Linda Rd WESTBOUND		
AM	NOON	PM		PM	NOON	AM
31	0	6		23	0	19
0	0	0		0	0	0
13	0	2		17	0	104
0	0	0		0	0	0
24	0	1		253	0	24
AM	NOON	PM		PM	NOON	AM

Signalized					
TEV	2006	0	2308		
	AM	NOON	PM		
PHF	0.95		0.94		

Black Mountain Rd NORTHBOUND						
PM	675	1	2	1345	232	PM
NOON	0	0	0	0	0	NOON
AM	1615	2	6	301	16	AM

**Total Vehicles (AM)**

**Total Vehicles (Noon)**

**Total Vehicles (PM)**

**Pedestrians (Crosswalks)**

**Bikes (AM)**

**Bikes (NOON)**

**Bikes (PM)**

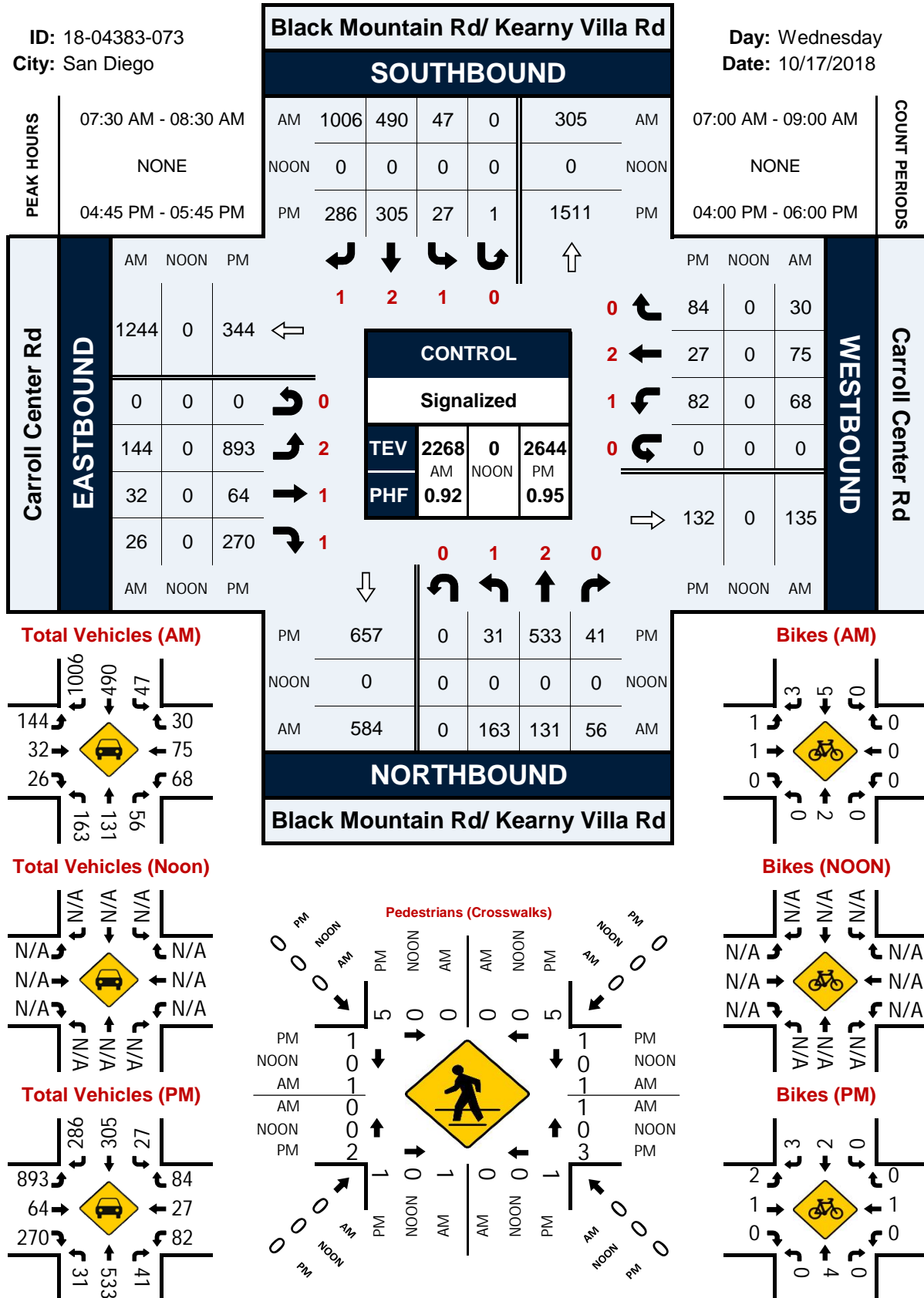


## Black Mountain Rd/ Kearny Villa Rd &amp; Carroll Center Rd

## Peak Hour Turning Movement Count

ID: 18-04383-073  
City: San Diego

Day: Wednesday  
Date: 10/17/2018

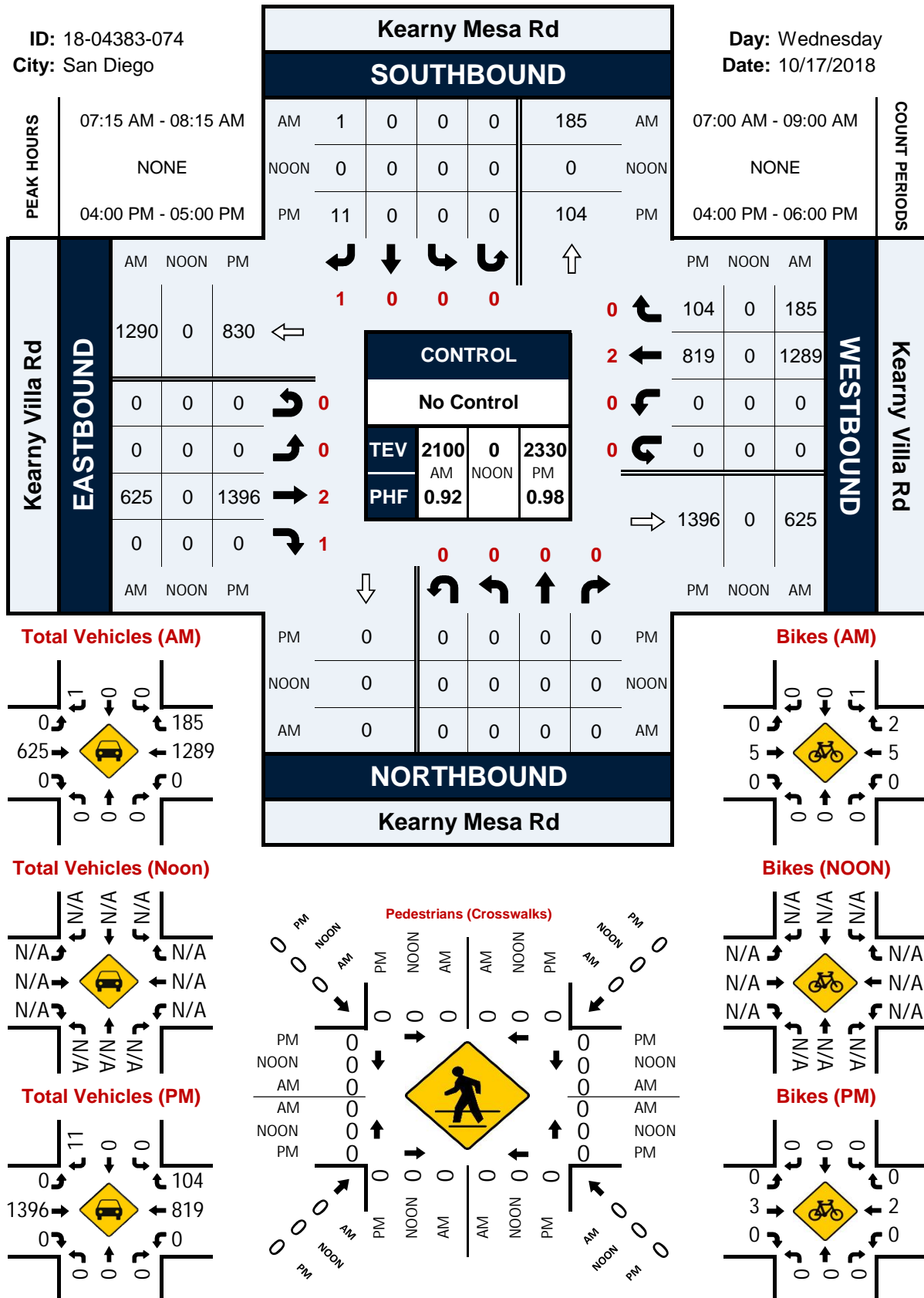


## Kearny Mesa Rd &amp; Kearny Villa Rd

## Peak Hour Turning Movement Count

ID: 18-04383-074  
City: San Diego

Day: Wednesday  
Date: 10/17/2018

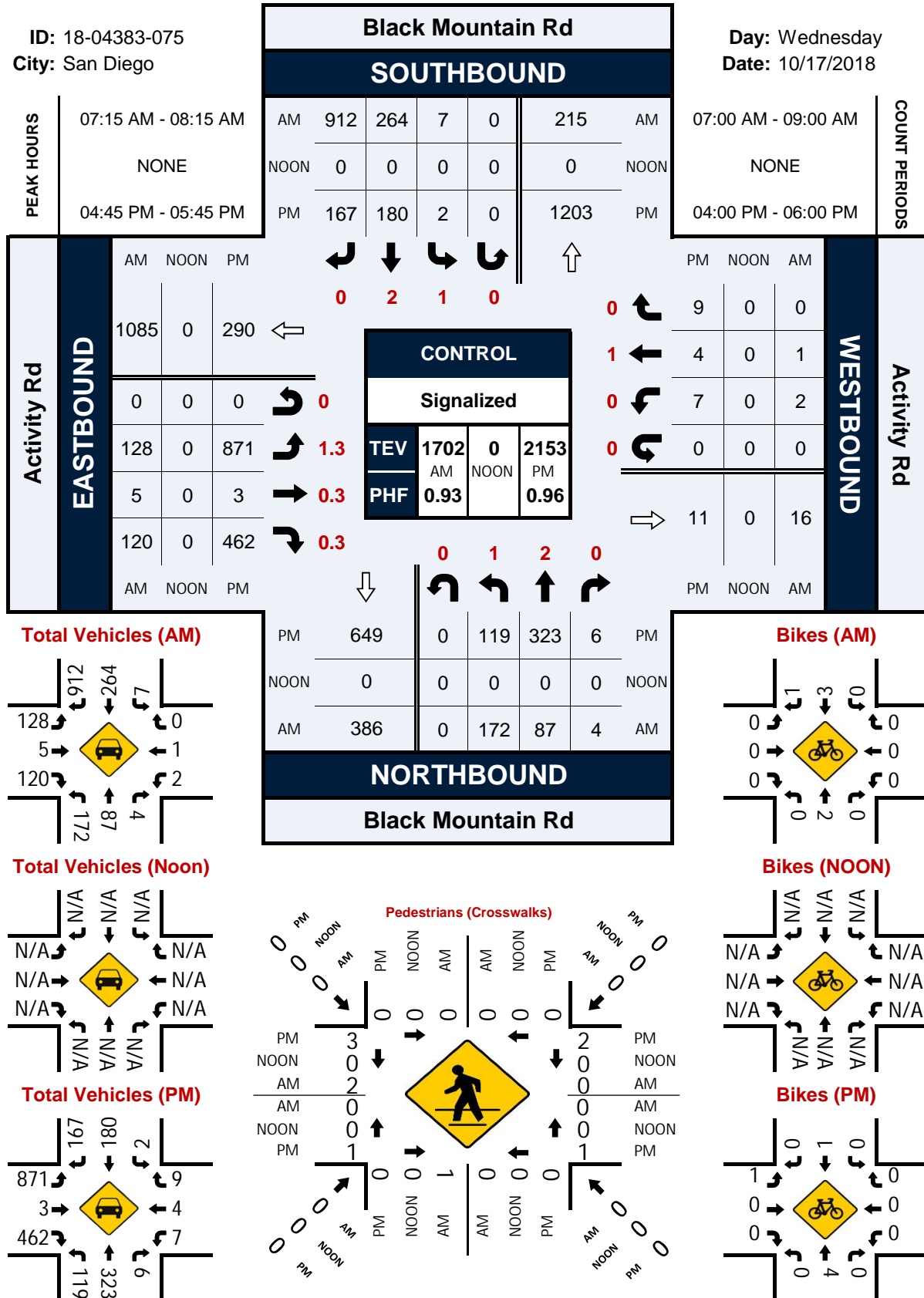


## Black Mountain Rd &amp; Activity Rd

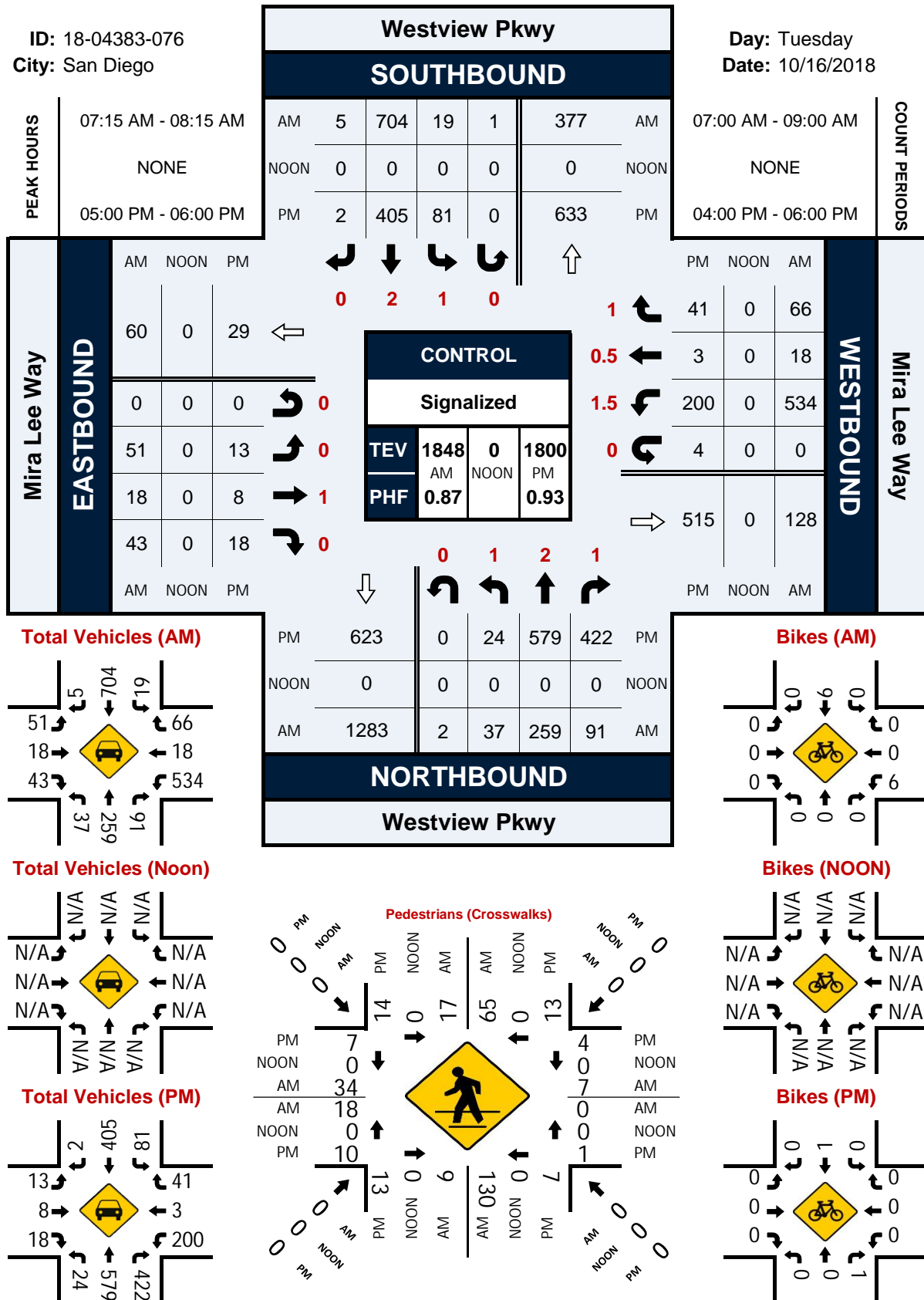
## Peak Hour Turning Movement Count

ID: 18-04383-075  
City: San Diego

Day: Wednesday  
Date: 10/17/2018



**Day:** Tuesday  
**Date:** 10/16/2018

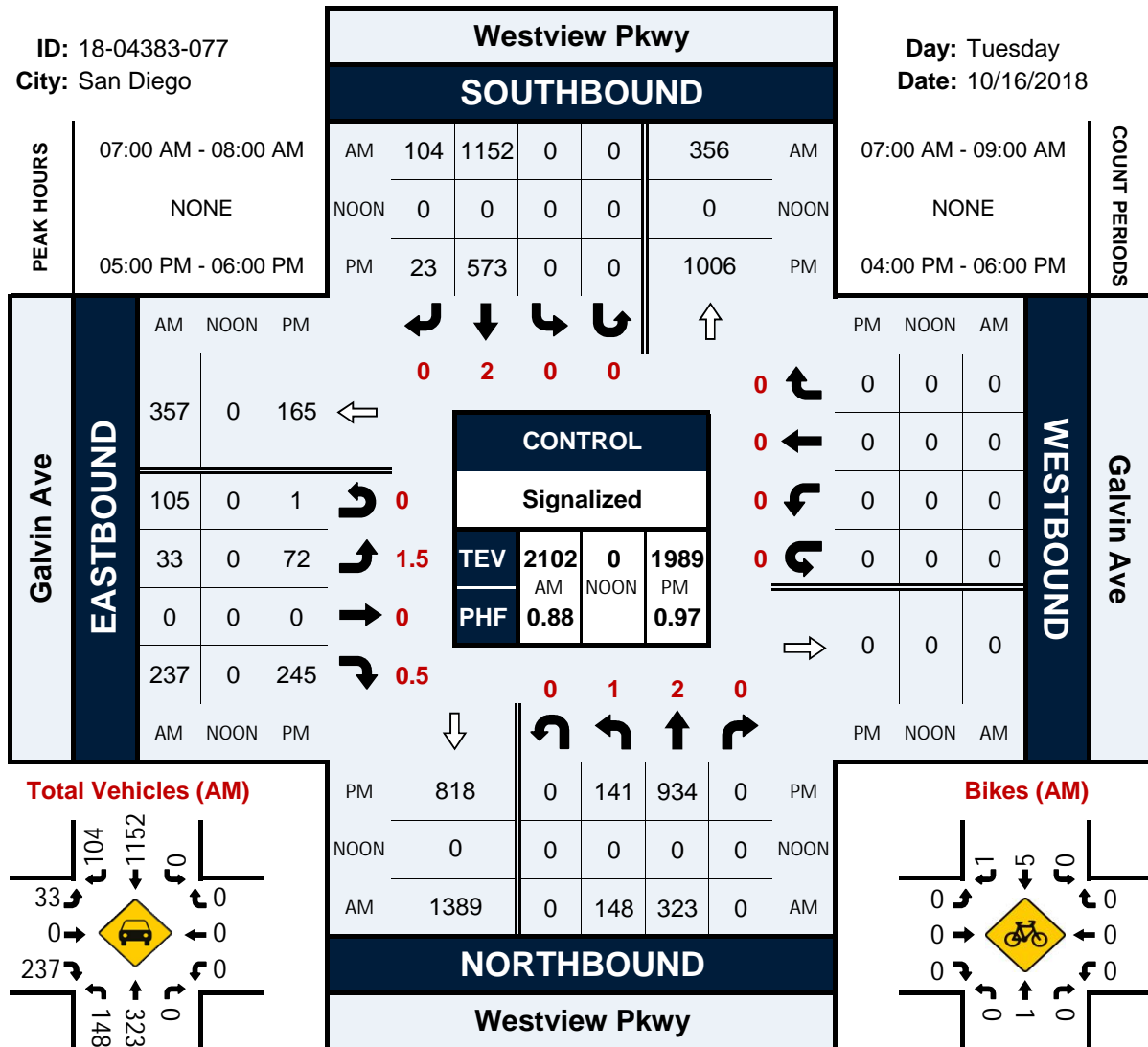


## Westview Pkwy &amp; Galvin Ave

## Peak Hour Turning Movement Count

ID: 18-04383-077  
City: San Diego

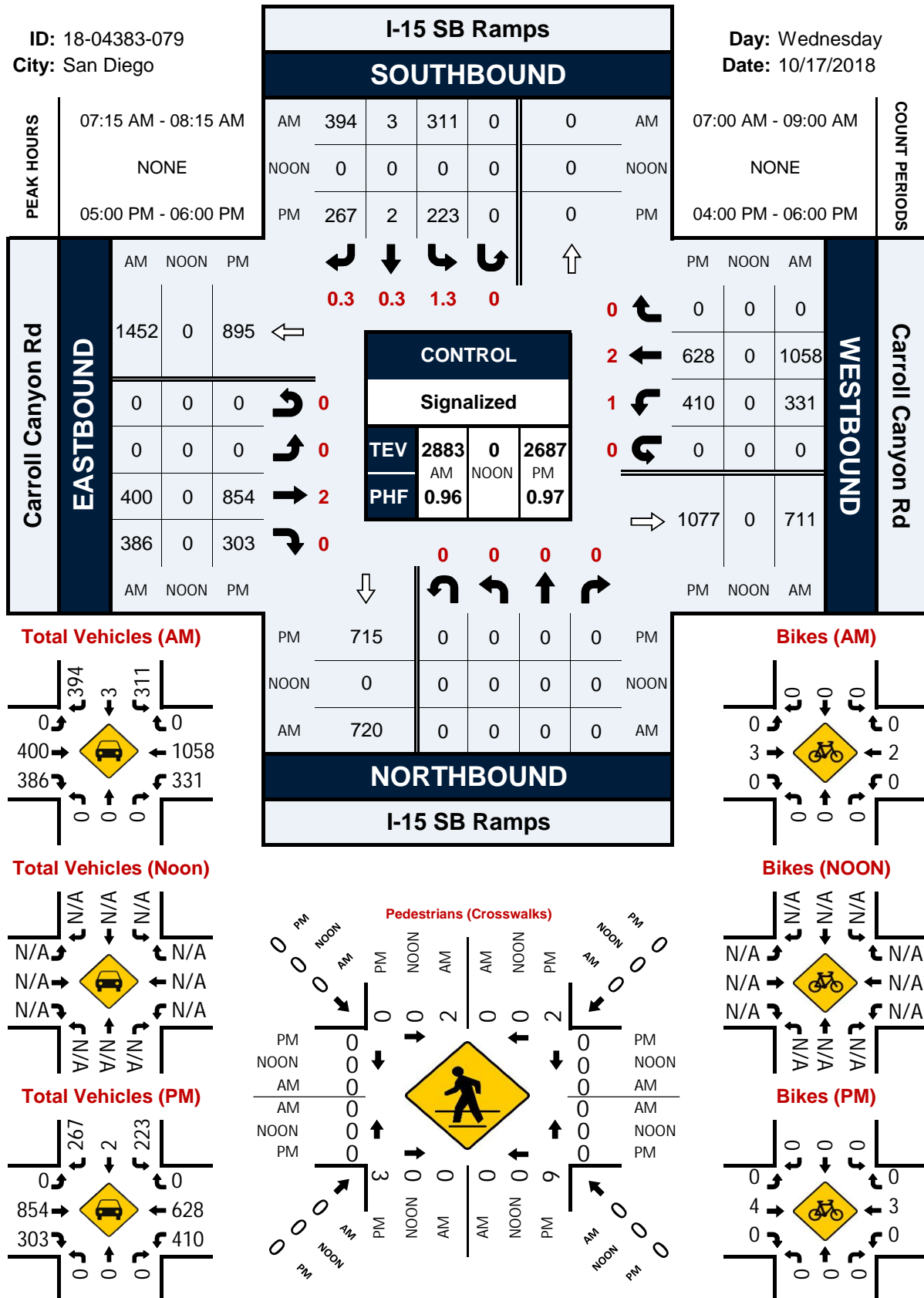
Day: Tuesday  
Date: 10/16/2018







**Day:** Wednesday  
**Date:** 10/17/2018

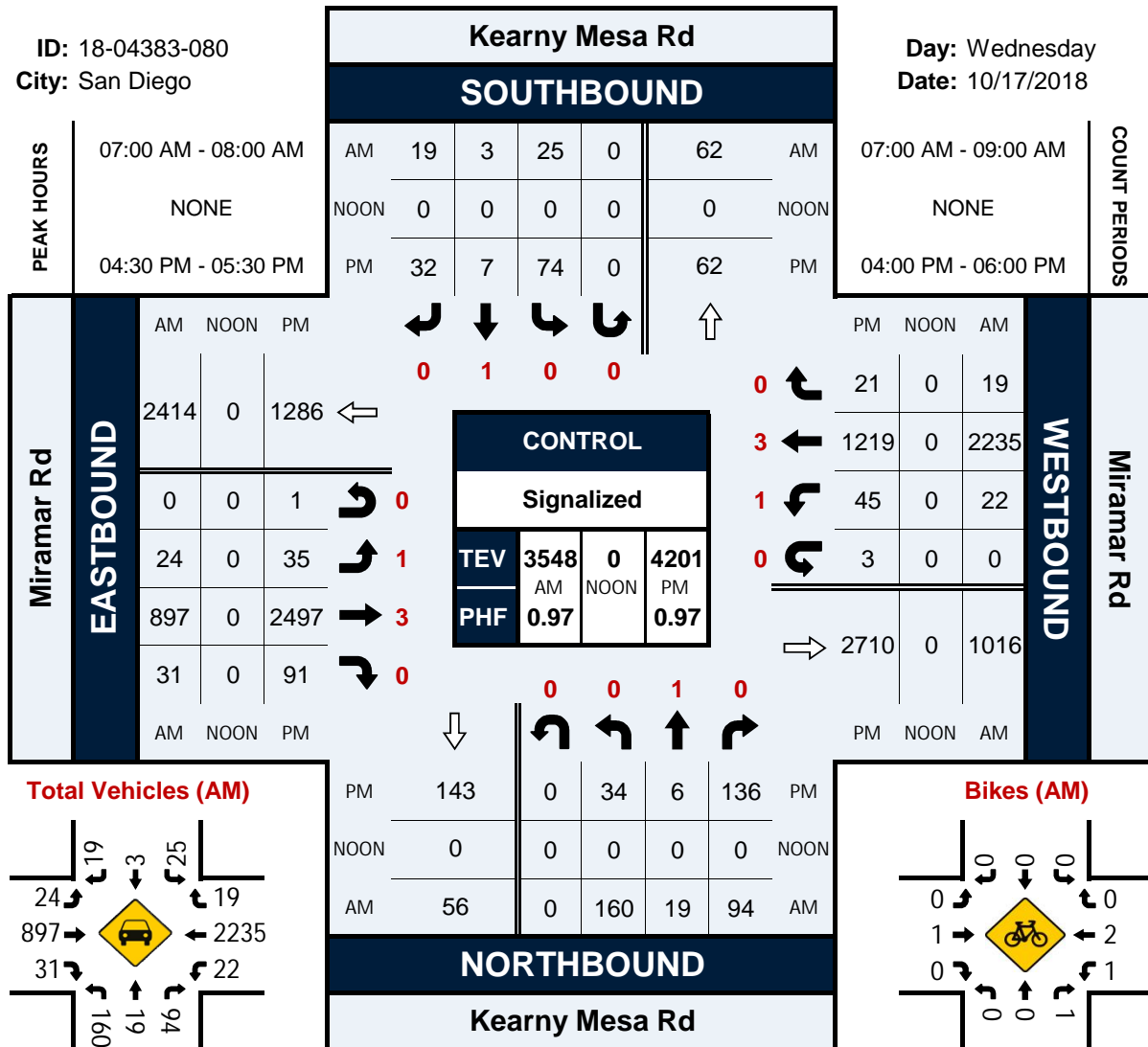


## Kearny Mesa Rd &amp; Miramar Rd

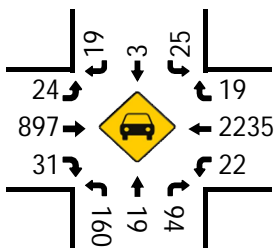
## Peak Hour Turning Movement Count

ID: 18-04383-080  
City: San Diego

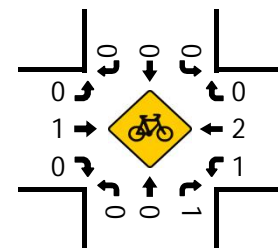
Day: Wednesday  
Date: 10/17/2018



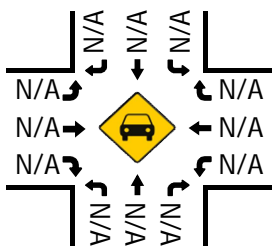
Total Vehicles (AM)



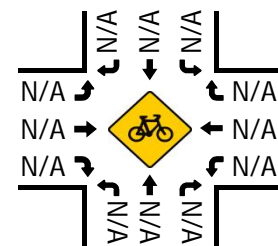
Bikes (AM)



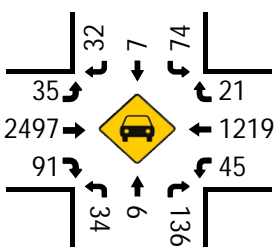
Total Vehicles (Noon)



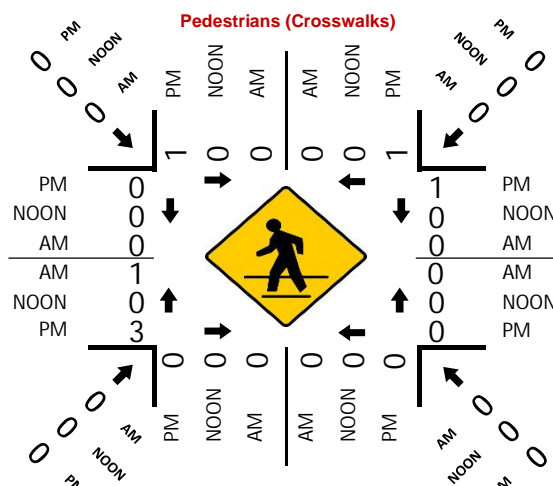
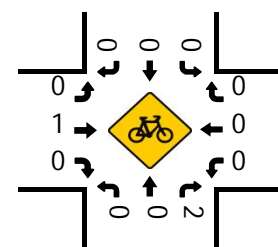
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)

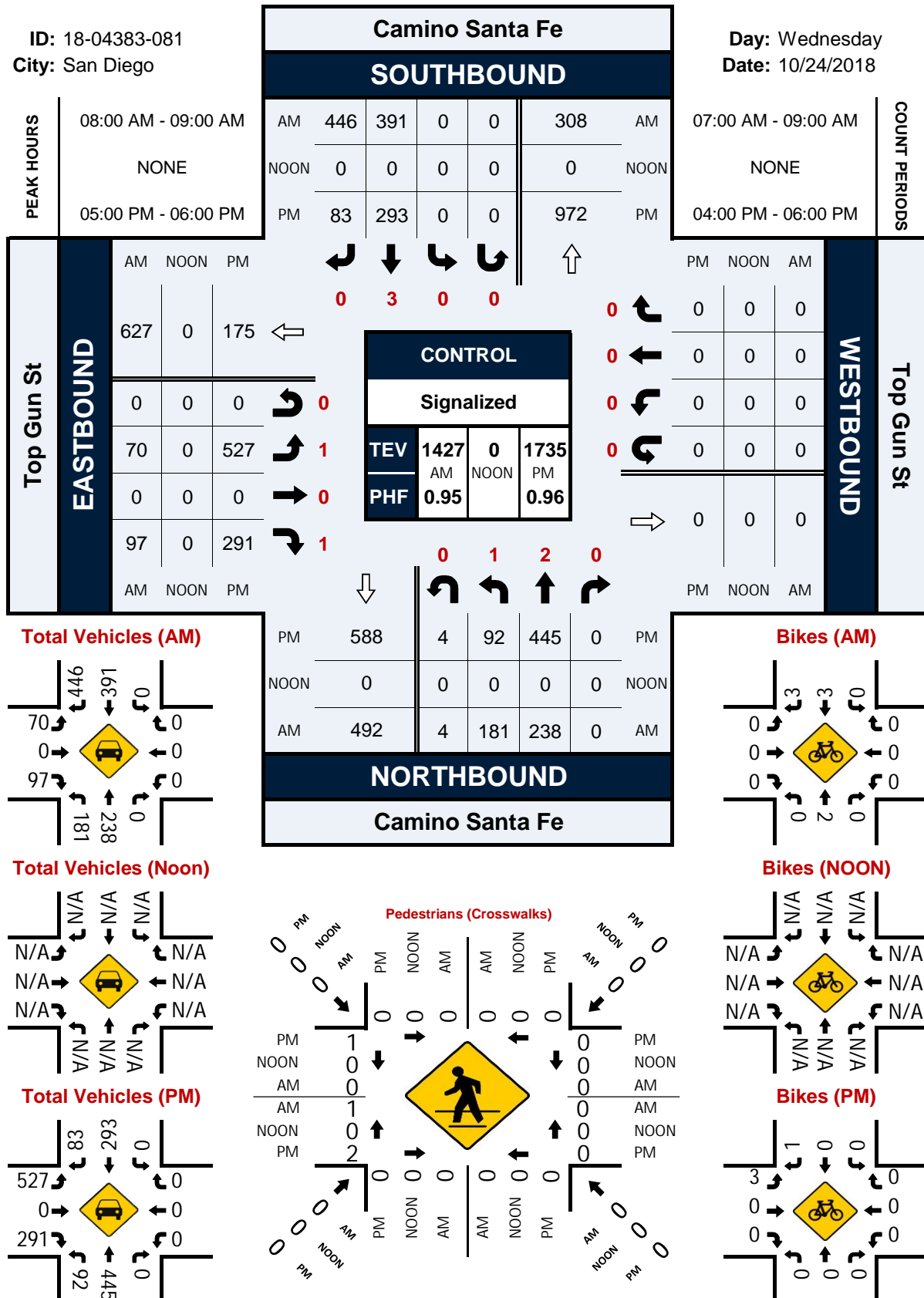


## Camino Santa Fe &amp; Top Gun St

## Peak Hour Turning Movement Count

ID: 18-04383-081  
City: San Diego

Day: Wednesday  
Date: 10/24/2018

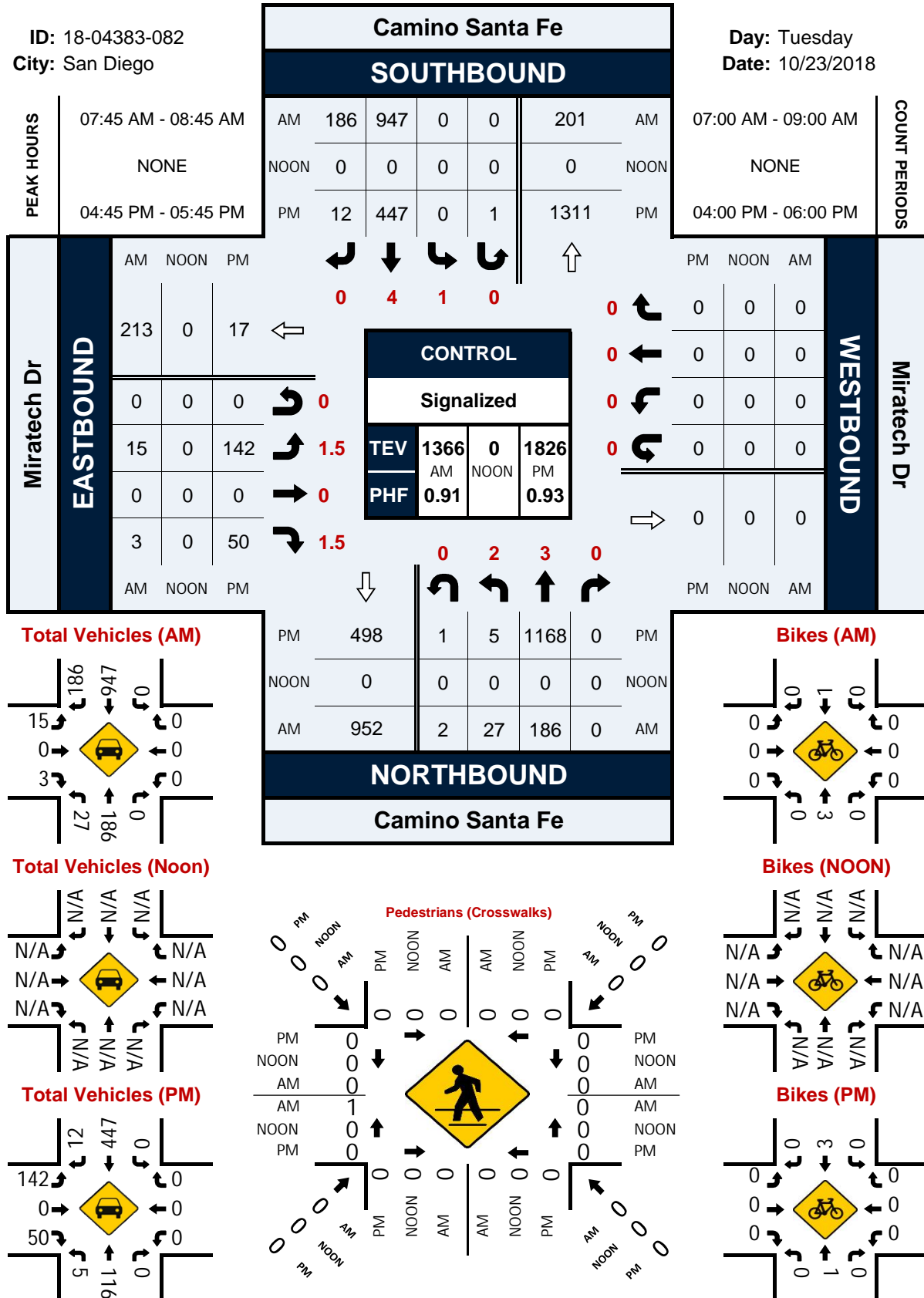


## Camino Santa Fe &amp; Miratech Dr

## Peak Hour Turning Movement Count

ID: 18-04383-082  
City: San Diego

Day: Tuesday  
Date: 10/23/2018

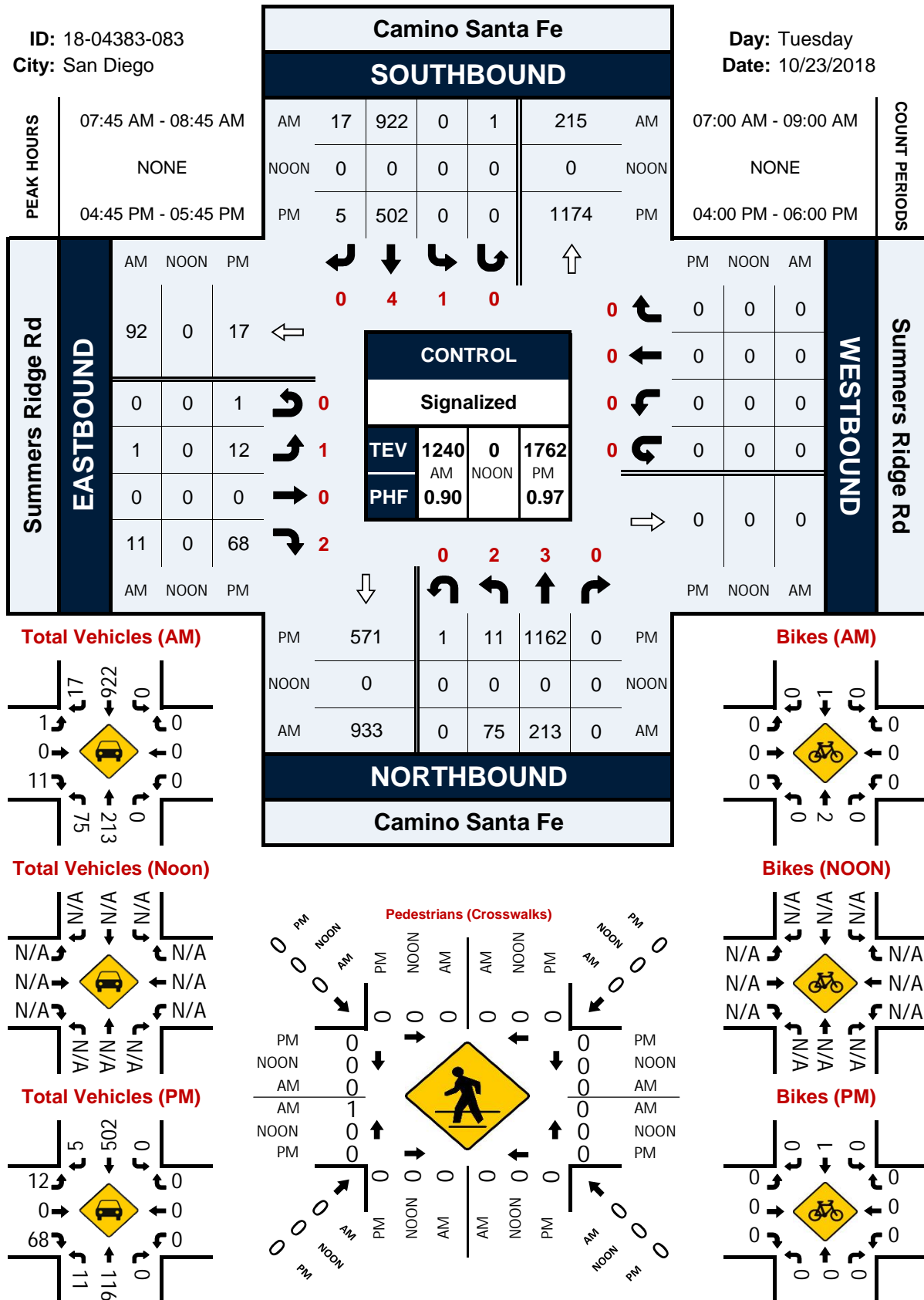


## Camino Santa Fe &amp; Summers Ridge Rd

## Peak Hour Turning Movement Count

ID: 18-04383-083  
City: San Diego

Day: Tuesday  
Date: 10/23/2018



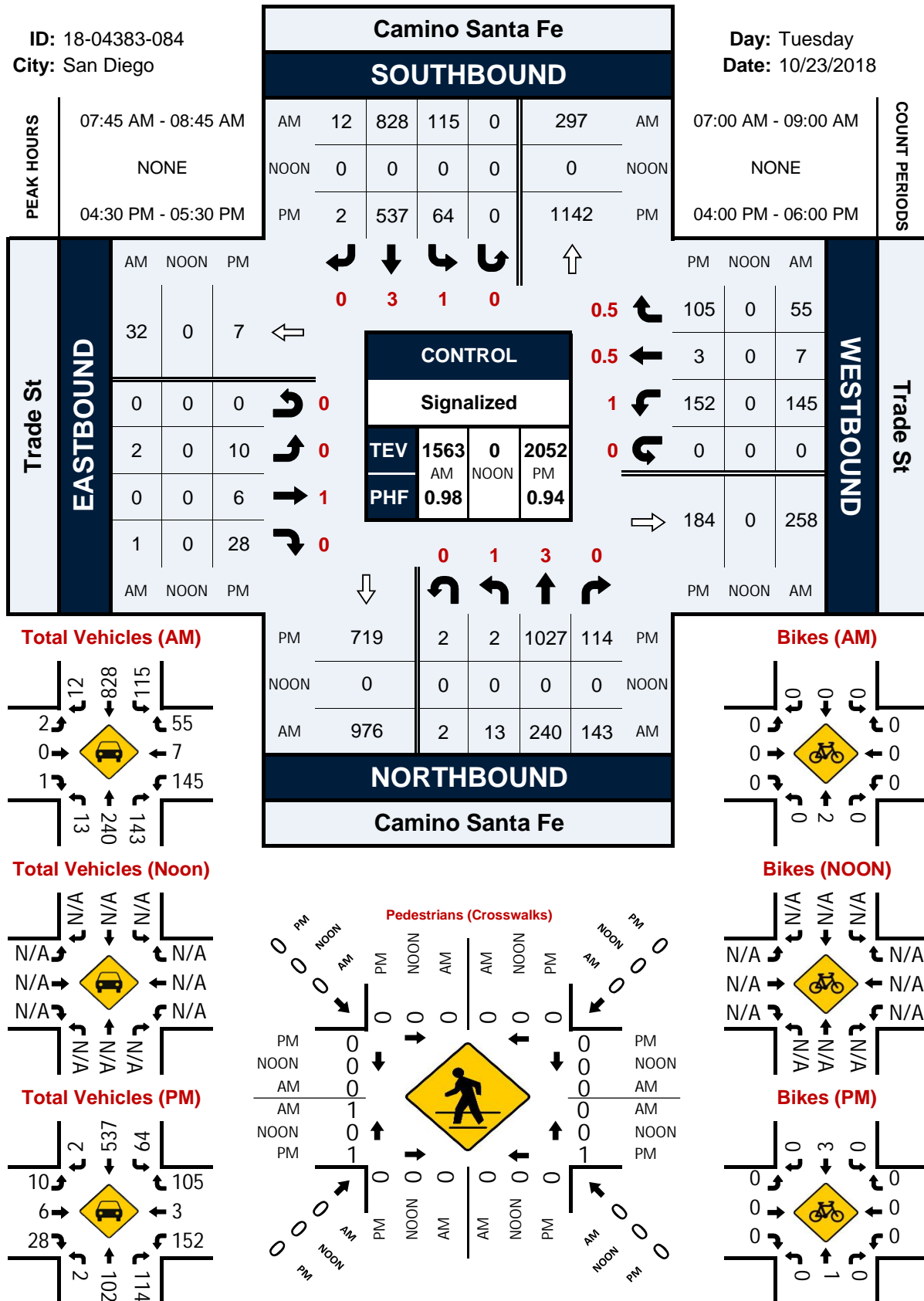


## Camino Santa Fe &amp; Trade St

## Peak Hour Turning Movement Count

ID: 18-04383-084  
City: San Diego

Day: Tuesday  
Date: 10/23/2018

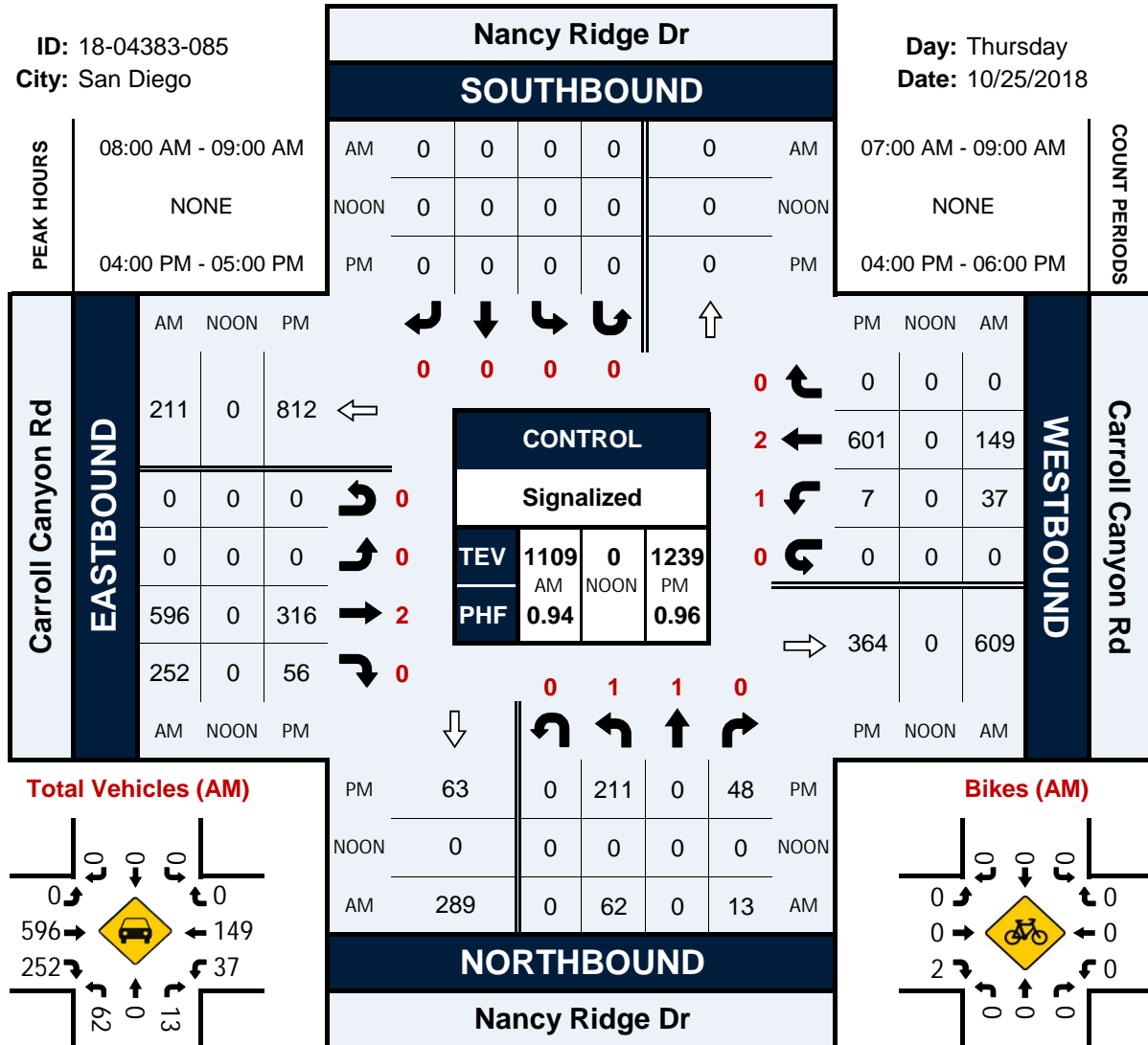


## Nancy Ridge Dr &amp; Carroll Canyon Rd

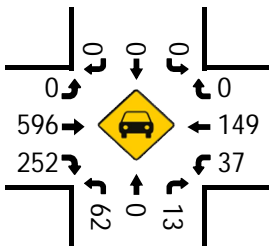
## Peak Hour Turning Movement Count

ID: 18-04383-085  
City: San Diego

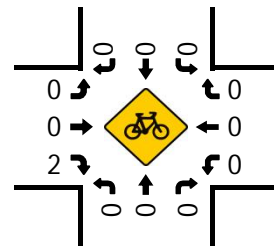
Day: Thursday  
Date: 10/25/2018



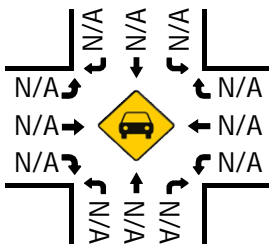
Total Vehicles (AM)



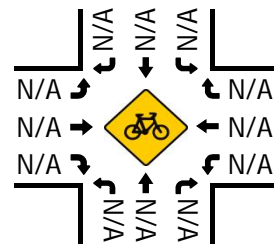
Bikes (AM)



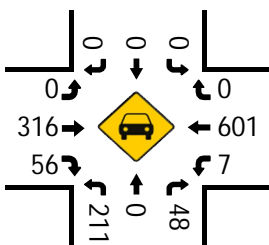
Total Vehicles (Noon)



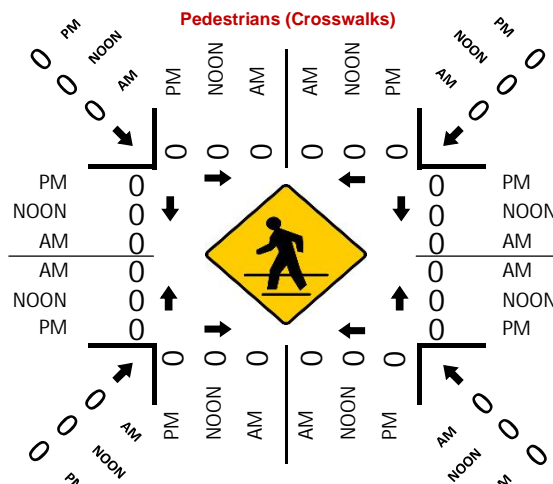
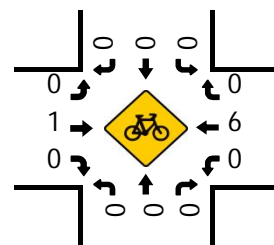
Bikes (NOON)



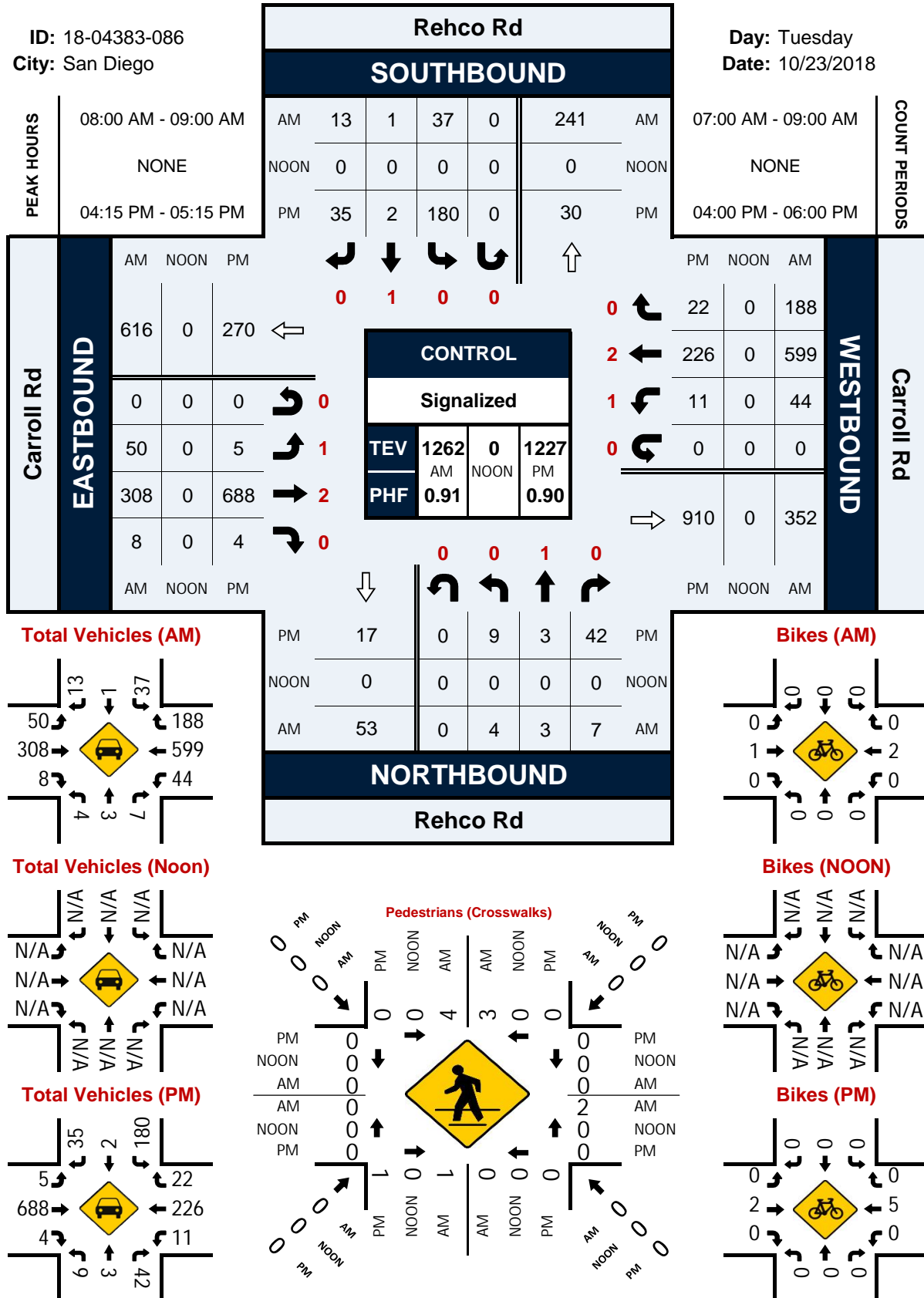
Total Vehicles (PM)



Bikes (PM)



**Day:** Tuesday  
**Date:** 10/23/2018

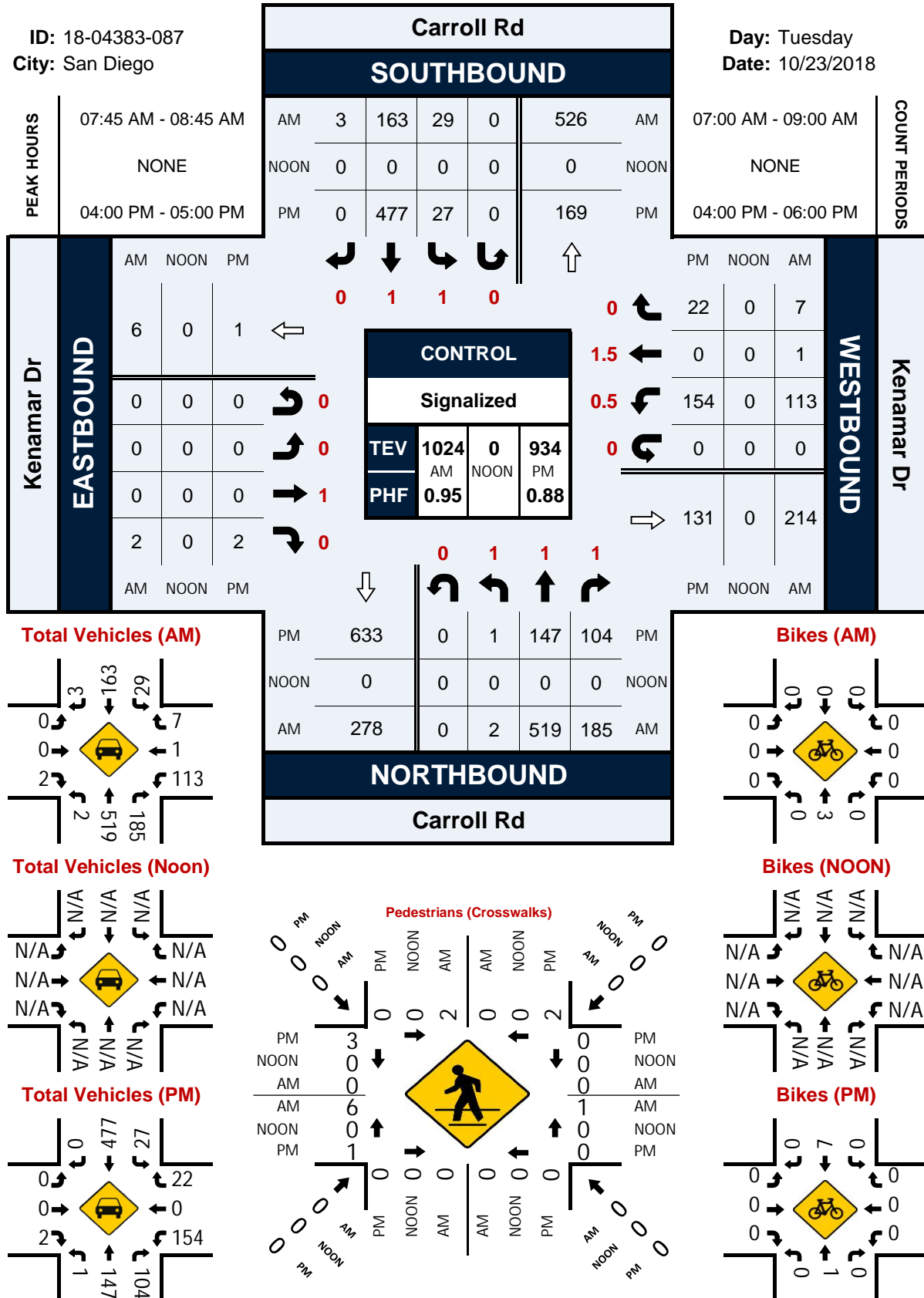


# Carroll Rd & Kenamar Dr

## Peak Hour Turning Movement Count

ID: 18-04383-087  
City: San Diego

Day: Tuesday  
Date: 10/23/2018

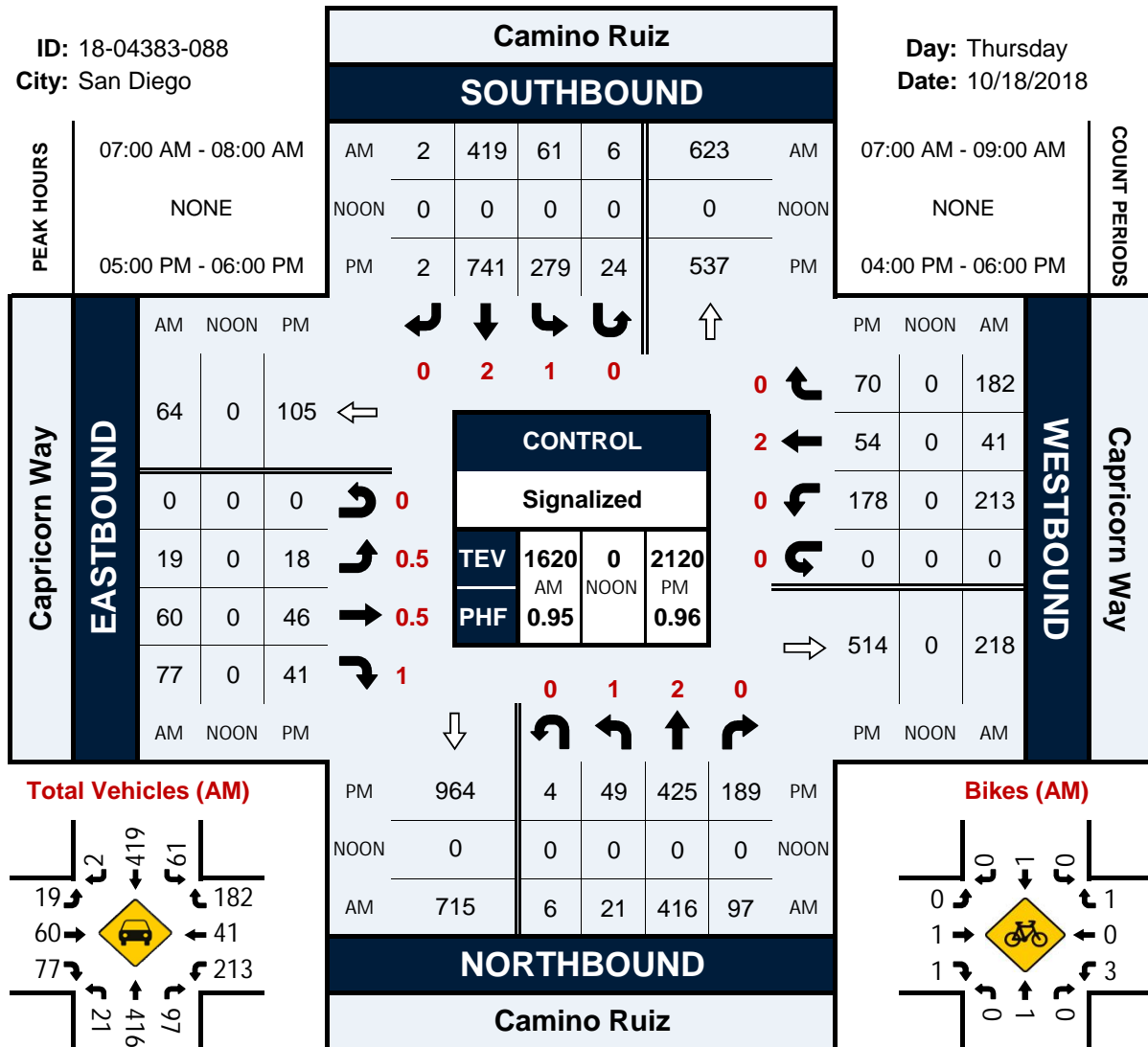


## Camino Ruiz &amp; Capricorn Way

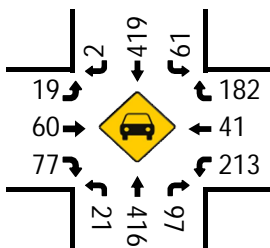
## Peak Hour Turning Movement Count

ID: 18-04383-088  
City: San Diego

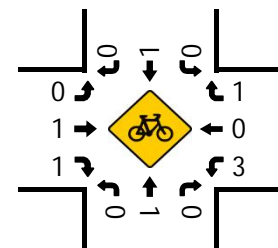
Day: Thursday  
Date: 10/18/2018



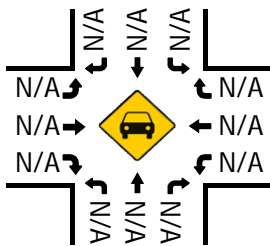
Total Vehicles (AM)



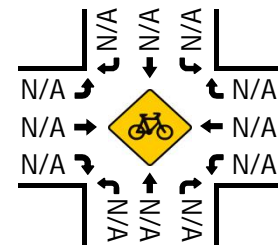
Bikes (AM)



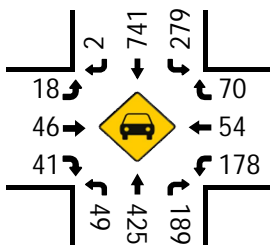
Total Vehicles (Noon)



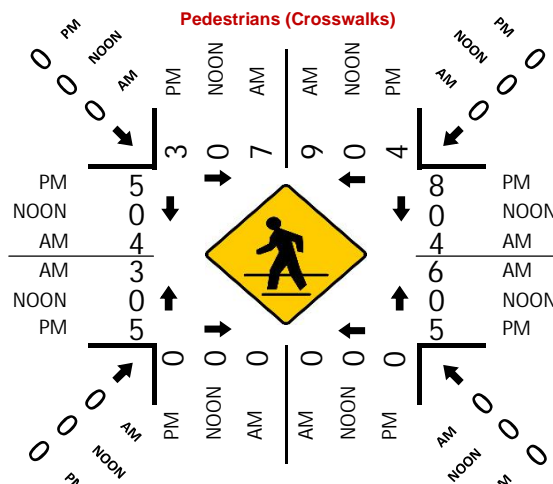
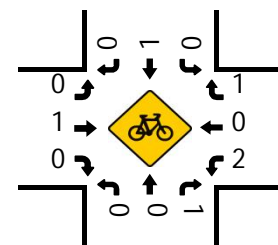
Bikes (Noon)



Total Vehicles (PM)



Bikes (PM)





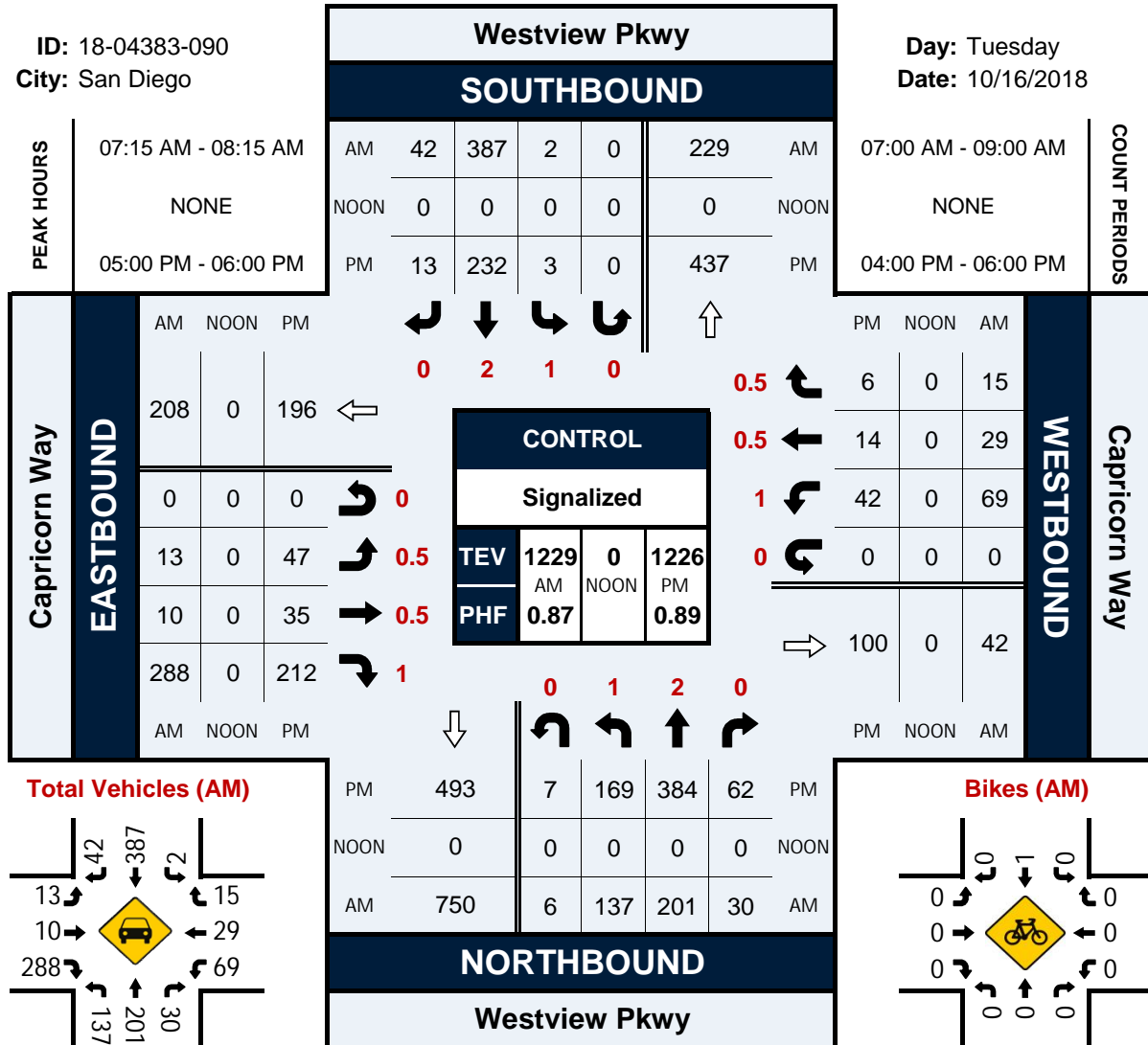


## Westview Pkwy &amp; Capricorn Way

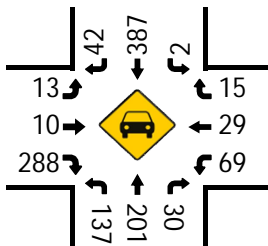
## Peak Hour Turning Movement Count

ID: 18-04383-090  
City: San Diego

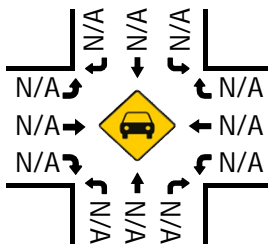
Day: Tuesday  
Date: 10/16/2018



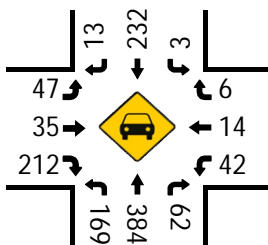
Total Vehicles (AM)



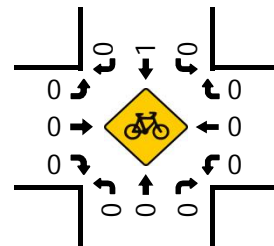
Total Vehicles (Noon)



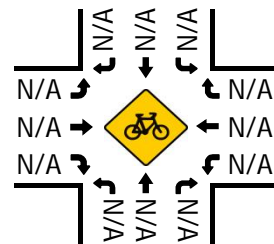
Total Vehicles (PM)



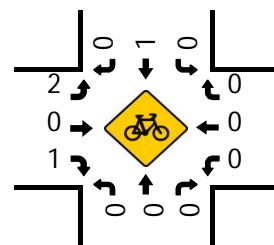
Bikes (AM)



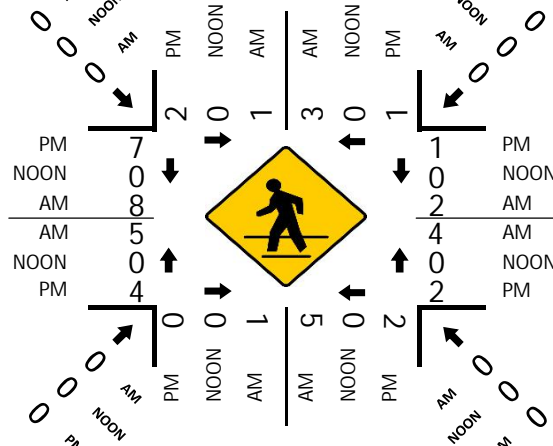
Bikes (Noon)



Bikes (PM)



Pedestrians (Crosswalks)

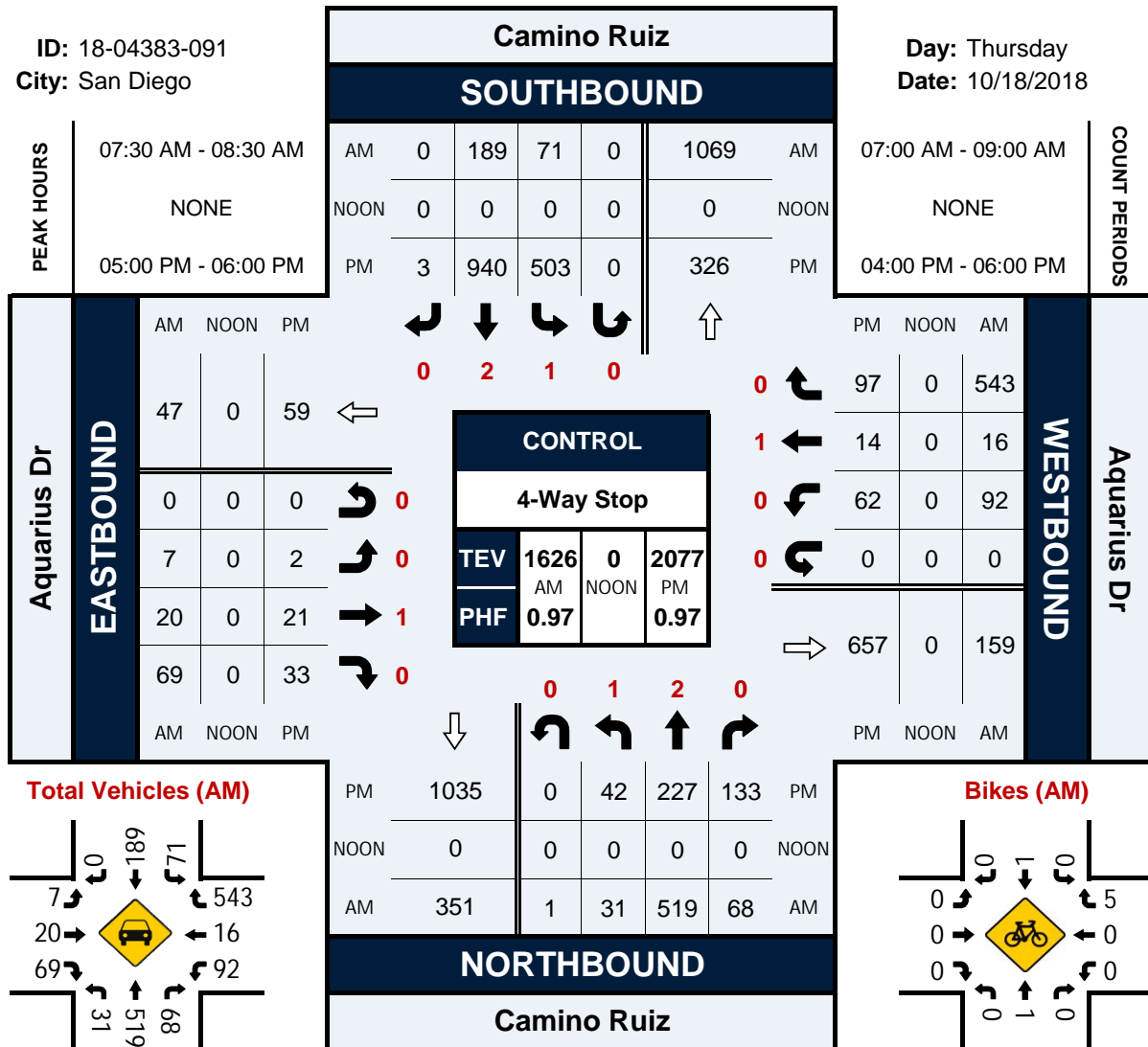


## Camino Ruiz &amp; Aquarius Dr

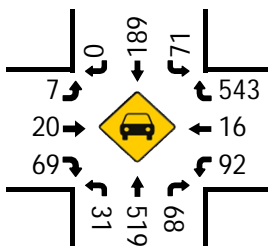
## Peak Hour Turning Movement Count

ID: 18-04383-091  
City: San Diego

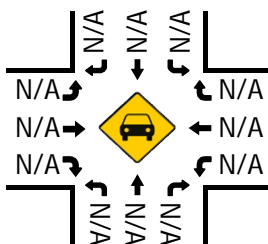
Day: Thursday  
Date: 10/18/2018



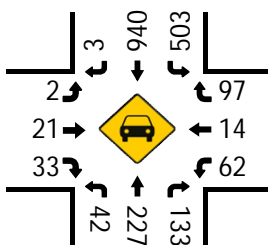
Total Vehicles (AM)



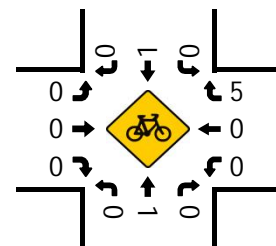
Total Vehicles (Noon)



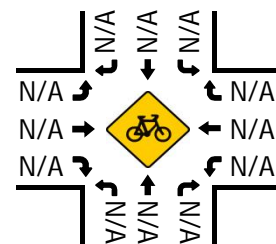
Total Vehicles (PM)



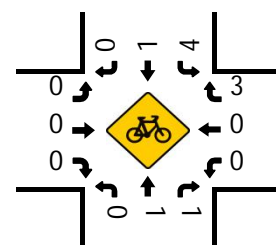
Bikes (AM)



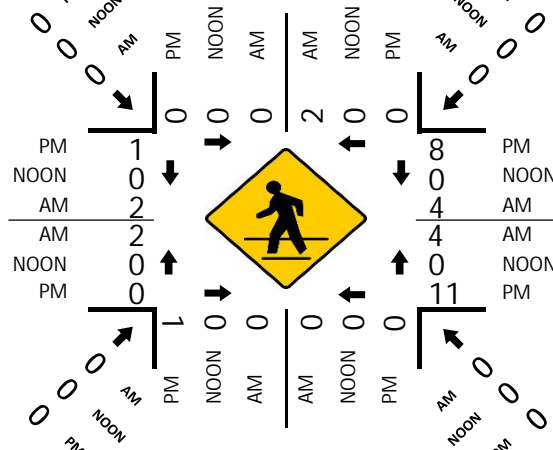
Bikes (Noon)



Bikes (PM)



Pedestrians (Crosswalks)

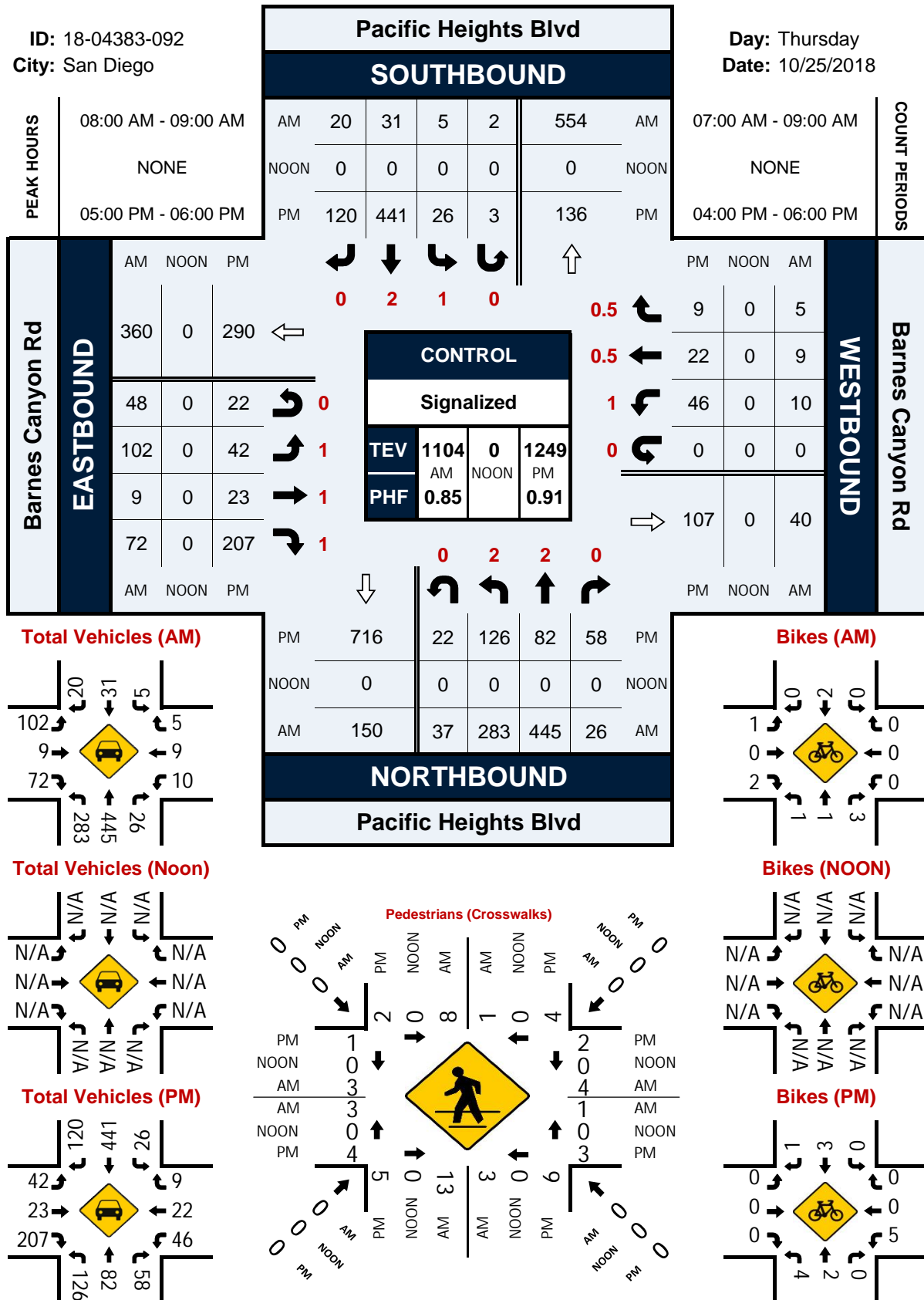


## Pacific Heights Blvd &amp; Barnes Canyon Rd

## Peak Hour Turning Movement Count

ID: 18-04383-092  
City: San Diego

Day: Thursday  
Date: 10/25/2018



## APPENDIX F






















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### SYNCHRO PEAK HOUR INTERSECTION ANALYSIS SHEETS

# HCM 6th Signalized Intersection Summary

## 1: Vista Sorrento Pkwy & Sorrento Valley Blvd

Existing  
Timing Plan: AM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	62	211	402	252	779	319	112	91	120	275	724	162
Future Volume (veh/h)	62	211	402	252	779	319	112	91	120	275	724	162
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.98	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	77	260	496	286	885	362	121	109	135	312	823	184
Peak Hour Factor	0.81	0.81	0.81	0.88	0.88	0.88	0.89	0.89	0.89	0.88	0.88	0.88
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	95	595	517	305	1107	450	191	200	166	424	891	454
Arrive On Green	0.05	0.34	0.34	0.17	0.46	0.46	0.11	0.11	0.11	0.24	0.24	0.24
Sat Flow, veh/h	1753	1749	1520	1753	2407	978	1781	1870	1554	1781	3741	1542
Grp Volume(v), veh/h	77	260	496	286	641	606	121	109	135	312	823	184
Grp Sat Flow(s),veh/h/ln	1753	1749	1520	1753	1749	1636	1781	1870	1554	1781	1870	1542
Q Serve(g_s), s	6.8	18.1	50.2	25.3	49.2	49.9	10.2	8.7	13.4	25.4	33.8	15.1
Cycle Q Clear(g_c), s	6.8	18.1	50.2	25.3	49.2	49.9	10.2	8.7	13.4	25.4	33.8	15.1
Prop In Lane	1.00		1.00	1.00		0.60	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	95	595	517	305	804	752	191	200	166	424	891	454
V/C Ratio(X)	0.81	0.44	0.96	0.94	0.80	0.80	0.64	0.54	0.81	0.74	0.92	0.41
Avail Cap(c_a), veh/h	335	668	580	335	804	752	567	595	494	680	1428	675
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	73.5	40.2	50.8	64.1	36.2	36.4	67.2	66.5	68.6	55.3	58.5	44.7
Incr Delay (d2), s/veh	5.9	0.2	25.3	30.9	5.2	5.9	1.3	0.9	3.6	0.9	4.7	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.2	7.7	22.2	13.7	21.4	20.5	4.6	4.1	5.4	11.2	16.0	5.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.4	40.4	76.1	94.9	41.5	42.3	68.5	67.4	72.2	56.2	63.2	44.9
LnGrp LOS	E	D	E	F	D	D	E	E	E	E	E	D
Approach Vol, veh/h	833			1533			365			1319		
Approach Delay, s/veh	65.3			51.8			69.6			59.0		
Approach LOS	E			D			E			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	31.8	59.1		43.4	12.9	78.0		22.8				
Change Period (Y+Rc), s	4.4	* 5.7		6.0	4.4	5.7		6.0				
Max Green Setting (Gmax), s	30.0	* 60		60.0	30.0	60.0		50.0				
Max Q Clear Time (g_c+l1), s	27.3	52.2		35.8	8.8	51.9		15.4				
Green Ext Time (p_c), s	0.0	1.2		1.7	0.0	2.0		0.4				

### Intersection Summary

HCM 6th Ctrl Delay	58.5
HCM 6th LOS	E

### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 2: Camino Santa Fe & Sorrento Valley Blvd/Calle Cristobal

Existing  
Timing Plan: AM Peak



Movement	EBU	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	0	2	1	2	2	2	1
Traffic Volume (veh/h)	0	86	221	574	1070	244	52
Future Volume (veh/h)	0	86	221	574	1070	244	52
Initial Q (Qb), veh		0	0	0	0	0	0
Ped-Bike Adj(A_pbT)			1.00	1.00		1.00	1.00
Parking Bus, Adj		1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1870	1870	
Adj Flow Rate, veh/h	91	233	604	1126	262	56	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.93	0.93	
Percent Heavy Veh, %		4	4	4	4	2	2
Cap, veh/h	1021	454	775	2096	699	672	
Arrive On Green	0.29	0.29	0.23	0.60	0.20	0.20	
Sat Flow, veh/h	3589	1555	3401	3589	3563	1585	
Grp Volume(v), veh/h	91	233	604	1126	262	56	
Grp Sat Flow(s),veh/h/ln	1749	1555	1700	1749	1781	1585	
Q Serve(g_s), s	1.0	6.3	8.4	9.6	3.2	1.1	
Cycle Q Clear(g_c), s	1.0	6.3	8.4	9.6	3.2	1.1	
Prop In Lane		1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	1021	454	775	2096	699	672	
V/C Ratio(X)	0.09	0.51	0.78	0.54	0.37	0.08	
Avail Cap(c_a), veh/h	4166	1852	2025	4214	2829	1620	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00	
Uniform Delay (d), s/veh	13.0	14.8	18.3	6.0	17.6	8.7	
Incr Delay (d2), s/veh	0.1	1.7	0.7	0.4	0.2	0.0	
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh/ln	0.3	2.0	2.7	1.8	1.1	0.3	
Unsig. Movement Delay, s/veh							
LnGrp Delay(d),s/veh	13.0	16.5	18.9	6.4	17.8	8.7	
LnGrp LOS	B	B	B	A	B	A	
Approach Vol, veh/h	324			1730	318		
Approach Delay, s/veh	15.5			10.7	16.2		
Approach LOS	B			B	B		
Timer - Assigned Phs	1	2		6	8		
Phs Duration (G+Y+Rc), s	15.5	21.0		36.5	13.9		
Change Period (Y+Rc), s	4.0	6.3		* 6.3	4.0		
Max Green Setting (Gmax), s	30.0	60.0		* 61	40.0		
Max Q Clear Time (g_c+10),s	10.4	8.3		11.6	5.2		
Green Ext Time (p_c), s	1.1	2.8		18.6	0.8		

### Intersection Summary

HCM 6th Ctrl Delay	12.1
HCM 6th LOS	B

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 3: Camino Ruiz & Calle Cristobal

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕	↗↘		↕		↗↘	↕	↗	↘	↕↗	
Traffic Volume (veh/h)	4	0	244	3	0	0	1060	17	2	0	13	6
Future Volume (veh/h)	4	0	244	3	0	0	1060	17	2	0	13	6
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.98	0.99		1.00	1.00		0.98	1.00		0.94
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1826	1826	1826	1870	1870	1870	1811	1811	1811	1870	1870	1870
Adj Flow Rate, veh/h	4	0	257	4	0	0	1082	17	2	0	19	9
Peak Hour Factor	0.95	0.95	0.95	0.75	0.75	0.75	0.98	0.98	0.98	0.68	0.68	0.68
Percent Heavy Veh, %	5	5	5	2	2	2	6	6	6	2	2	2
Cap, veh/h	368	0	1440	331	0	0	1335	1113	928	5	242	104
Arrive On Green	0.13	0.00	0.13	0.13	0.00	0.00	0.40	0.61	0.61	0.00	0.10	0.10
Sat Flow, veh/h	1377	0	2682	1098	0	0	3346	1811	1510	1781	2375	1016
Grp Volume(v), veh/h	4	0	257	4	0	0	1082	17	2	0	14	14
Grp Sat Flow(s),veh/h/ln	1377	0	1341	1098	0	0	1673	1811	1510	1781	1777	1614
Q Serve(g_s), s	0.0	0.0	1.9	0.1	0.0	0.0	11.1	0.1	0.0	0.0	0.3	0.3
Cycle Q Clear(g_c), s	0.1	0.0	1.9	0.2	0.0	0.0	11.1	0.1	0.0	0.0	0.3	0.3
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00	1.00		0.63
Lane Grp Cap(c), veh/h	368	0	1440	331	0	0	1335	1113	928	5	181	164
V/C Ratio(X)	0.01	0.00	0.18	0.01	0.00	0.00	0.81	0.02	0.00	0.00	0.08	0.09
Avail Cap(c_a), veh/h	1598	0	3861	1049	0	0	5192	3278	2733	1382	1838	1669
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	14.6	0.0	4.7	14.7	0.0	0.0	10.3	2.9	2.9	0.0	15.7	15.7
Incr Delay (d2), s/veh	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.3	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	14.6	0.0	4.8	14.7	0.0	0.0	10.8	2.9	2.9	0.0	15.8	15.8
LnGrp LOS	B	A	A	B	A	A	B	A	A	A	B	B
Approach Vol, veh/h	261				4		1101				28	
Approach Delay, s/veh	4.9				14.7		10.6				15.8	
Approach LOS	A				B		B				B	
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	28.7		10.0		19.8	8.8	10.0					
Change Period (Y+Rc), s	4.4	4.9	4.9		4.4	4.9	4.9					
Max Green Setting (Gmax), s	30.0	70.0	40.0		60.0	40.0	30.0					
Max Q Clear Time (g_c+I), s	10.0	2.1	3.9		13.1	2.3	2.2					
Green Ext Time (p_c), s	0.0	0.1	1.5		2.3	0.1	0.0					
Intersection Summary												
HCM 6th Ctrl Delay			9.7									
HCM 6th LOS			A									

# HCM 6th Signalized Intersection Summary

## 4: Alemania Rd & Mercy Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	61	992	0	9	661	114	0	0	3	150	0	16
Future Volume (veh/h)	61	992	0	9	661	114	0	0	3	150	0	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1575	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	66	1078	0	11	826	142	0	0	8	167	0	18
Peak Hour Factor	0.92	0.92	0.92	0.80	0.80	0.80	0.38	0.38	0.38	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	77	2047	913	20	1904	849	0	0	250	351	0	250
Arrive On Green	0.05	0.58	0.00	0.01	0.54	0.54	0.00	0.00	0.16	0.16	0.00	0.16
Sat Flow, veh/h	1500	3554	1585	1781	3554	1585	0	0	1585	1369	0	1585
Grp Volume(v), veh/h	66	1078	0	11	826	142	0	0	8	167	0	18
Grp Sat Flow(s),veh/h/ln	1500	1777	1585	1781	1777	1585	0	0	1585	1369	0	1585
Q Serve(g_s), s	2.3	9.9	0.0	0.3	7.5	2.4	0.0	0.0	0.2	6.1	0.0	0.5
Cycle Q Clear(g_c), s	2.3	9.9	0.0	0.3	7.5	2.4	0.0	0.0	0.2	6.3	0.0	0.5
Prop In Lane	1.00		1.00	1.00		1.00	0.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	77	2047	913	20	1904	849	0	0	250	351	0	250
V/C Ratio(X)	0.86	0.53	0.00	0.55	0.43	0.17	0.00	0.00	0.03	0.48	0.00	0.07
Avail Cap(c_a), veh/h	843	3993	1781	1001	4026	1796	0	0	1187	1183	0	1187
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	25.1	6.9	0.0	26.3	7.5	6.3	0.0	0.0	19.0	21.7	0.0	19.1
Incr Delay (d2), s/veh	9.7	0.5	0.0	8.4	0.1	0.1	0.0	0.0	0.0	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	2.2	0.0	0.2	1.7	0.5	0.0	0.0	0.1	1.9	0.0	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.8	7.3	0.0	34.6	7.6	6.4	0.0	0.0	19.0	22.1	0.0	19.2
LnGrp LOS	C	A	A	C	A	A	A	A	B	C	A	B
Approach Vol, veh/h	1144			979			8			185		
Approach Delay, s/veh	8.9			7.8			19.0			21.8		
Approach LOS	A			A			B			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	4.6	36.4		12.4	6.7	34.2		12.4				
Change Period (Y+Rc), s	4.0	5.6		4.0	4.0	* 5.6		4.0				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	* 61		40.0				
Max Q Clear Time (g_c+I_2), s	11.9			8.3	4.3	9.5		2.2				
Green Ext Time (p_c), s	0.0	18.9		0.6	0.1	5.9		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 9.5  
HCM 6th LOS A

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 5: I-15 SB On-ramp/I-15 SB Off-ramp & Mercy Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑	↑	↔↔	↑↑					↑	↔	↑
Traffic Volume (veh/h)	0	653	454	944	641	0	0	0	0	427	2	161
Future Volume (veh/h)	0	653	454	944	641	0	0	0	0	427	2	161
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No					No		
Adj Sat Flow, veh/h/ln	0	1870	1870	1870	1870	0				1870	1870	1870
Adj Flow Rate, veh/h	0	680	534	994	675	0				525	0	119
Peak Hour Factor	0.90	0.90	0.90	0.95	0.95	0.95				0.91	0.91	0.91
Percent Heavy Veh, %	0	2	2	2	2	0				2	2	2
Cap, veh/h	0	1396	1158	1052	2559	0				605	0	269
Arrive On Green	0.00	0.37	0.37	0.51	1.00	0.00				0.17	0.00	0.17
Sat Flow, veh/h	0	3741	3104	3456	3647	0				3563	0	1585
Grp Volume(v), veh/h	0	680	534	994	675	0				525	0	119
Grp Sat Flow(s),veh/h/ln	0	1870	1552	1728	1777	0				1781	0	1585
Q Serve(g_s), s	0.0	15.3	14.3	29.9	0.0	0.0				15.8	0.0	7.4
Cycle Q Clear(g_c), s	0.0	15.3	14.3	29.9	0.0	0.0				15.8	0.0	7.4
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	1396	1158	1052	2559	0				605	0	269
V/C Ratio(X)	0.00	0.49	0.46	0.95	0.26	0.00				0.87	0.00	0.44
Avail Cap(c_a), veh/h	0	1396	1158	1263	2559	0				810	0	360
HCM Platoon Ratio	1.00	1.00	1.00	1.67	1.67	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	0.79	0.79	0.87	0.87	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	26.4	26.1	26.2	0.0	0.0				44.5	0.0	41.0
Incr Delay (d2), s/veh	0.0	1.0	1.0	10.9	0.2	0.0				6.2	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	6.7	5.2	9.9	0.1	0.0				7.4	0.0	2.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	27.4	27.2	37.0	0.2	0.0				50.7	0.0	41.4
LnGrp LOS	A	C	C	D	A	A				D	A	D
Approach Vol, veh/h		1214			1669						644	
Approach Delay, s/veh		27.3			22.1						49.0	
Approach LOS		C			C						D	
Timer - Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	38.2	48.0		23.8		86.2						
Change Period (Y+Rc), s	4.7	7.0		5.1		7.0						
Max Green Setting (Gmax), s	40.0	28.0		25.0		72.9						
Max Q Clear Time (g_c+Rt), s	17.3			17.8		2.0						
Green Ext Time (p_c), s	1.5	3.2		0.9		2.7						

### Intersection Summary

HCM 6th Ctrl Delay	28.8
HCM 6th LOS	C

### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 6: I-15 NB Off-ramp/I-15 NB On-ramp & Mercy Rd/Scripps Poway Pkwy

Existing

Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔↔	↑↑		↔↔	↑↑↑↑	↔	↔	↔	↔↔			
Traffic Volume (veh/h)	307	869	0	1	1419	607	111	2	1352	0	0	0
Future Volume (veh/h)	307	869	0	1	1419	607	111	2	1352	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1870	1870	0	1870	1870	1870	1870	1870	1870			
Adj Flow Rate, veh/h	327	924	0	1	1510	646	129	0	1554			
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.87	0.87	0.87			
Percent Heavy Veh, %	2	2	0	2	2	2	2	2	2			
Cap, veh/h	388	1557	0	261	2472	766	1286	0	1608			
Arrive On Green	0.22	0.88	0.00	0.15	0.48	0.48	0.36	0.00	0.36			
Sat Flow, veh/h	3456	3647	0	1781	5106	1583	3563	0	3170			
Grp Volume(v), veh/h	327	924	0	1	1510	646	129	0	1554			
Grp Sat Flow(s),veh/h/ln	728	1777	0	1781	1702	1583	1781	0	1585			
Q Serve(g_s), s	10.0	7.4	0.0	0.1	23.8	39.1	2.6	0.0	36.0			
Cycle Q Clear(g_c), s	10.0	7.4	0.0	0.1	23.8	39.1	2.6	0.0	36.0			
Prop In Lane	1.00		0.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	388	1557	0	261	2472	766	1286	0	1608			
V/C Ratio(X)	0.84	0.59	0.00	0.00	0.61	0.84	0.10	0.00	0.97			
Avail Cap(c_a), veh/h	628	1557	0	261	2472	766	1328	0	1645			
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.72	0.72	0.00	1.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	41.7	4.3	0.0	40.1	20.8	24.7	23.3	0.0	26.2			
Incr Delay (d2), s/veh	2.1	1.2	0.0	0.0	1.1	10.9	0.0	0.0	14.7			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	8.8	1.7	0.0	0.0	8.8	15.4	1.1	0.0	14.7			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	43.8	5.5	0.0	40.1	21.9	35.7	23.3	0.0	40.9			
LnGrp LOS	D	A	A	D	C	D	C	A	D			
Approach Vol, veh/h	1251			2157			1683					
Approach Delay, s/veh	15.5			26.0			39.5					
Approach LOS	B			C			D					
Timer - Assigned Phs	1	2		5	6		8					
Phs Duration (G+Y+Rc), s	22.1	54.2		17.0	59.2		44.8					
Change Period (Y+Rc), s	6.0	* 6		* 4.7	6.0		5.1					
Max Green Setting (Gmax), s	* 48			* 20	33.2		41.0					
Max Q Clear Time (g_c+I_T), s	9.4			12.0	41.1		38.0					
Green Ext Time (p_c), s	0.0	4.2		0.4	0.0		1.7					

### Intersection Summary

HCM 6th Ctrl Delay 27.9

HCM 6th LOS C






### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th TWSC  
7: Black Mountain Rd & Babauta Rd

























Existing  
Timing Plan: AM Peak

Intersection												
Int Delay, s/veh	0.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	15	0	0	48	0	931	10	21	2078	4
Future Vol, veh/h	0	0	15	0	0	48	0	931	10	21	2078	4
Conflicting Peds, #/hr	0	0	0	0	0	0	2	0	3	3	0	2
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	-	-	-	210	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	75	75	75	67	67	67	92	92	92	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2	3	3	3	3	3	3
Mvmt Flow	0	0	20	0	0	72	0	1012	11	22	2142	4
Major/Minor	Minor2		Minor1		Major1		Major2		Major2		Major2	
Conflicting Flow All	-	-	1075	-	-	515	-	0	0	1026	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	7.14	-	-	-	5.36	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.92	-	-	3.92	-	-	-	3.13	-	-
Pot Cap-1 Maneuver	0	0	185	0	0	432	0	-	-	377	-	-
Stage 1	0	0	-	0	0	-	0	-	-	-	-	-
Stage 2	0	0	-	0	0	-	0	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	185	-	-	431	-	-	-	376	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Approach	EB		WB		NB		SB		SB		SB	
HCM Control Delay, s	26.8		15		0		0.2		0.2		0.2	
HCM LOS	D		C									
Minor Lane/Major Mvmt	NBT		NBR		EBLn1WBLn1		SBL		SBT		SBR	
Capacity (veh/h)	-		-		185		431		376		-	
HCM Lane V/C Ratio	-		-		0.108		0.166		0.058		-	
HCM Control Delay (s)	-		-		26.8		15		15.2		-	
HCM Lane LOS	-		-		D		C		C		-	
HCM 95th %tile Q(veh)	-		-		0.4		0.6		0.2		-	

# HCM 6th Signalized Intersection Summary

## 8: I-805 NB Ramps/Mira Sorrento PI & Vista Sorrento Pkwy

Existing  
Timing Plan: AM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	557	508	162	21	46	49	400	194	159	113	198	29
Future Volume (veh/h)	557	508	162	21	46	49	400	194	159	113	198	29
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	612	558	178	28	62	66	440	213	175	136	239	35
Peak Hour Factor	0.91	0.91	0.91	0.74	0.74	0.74	0.91	0.91	0.91	0.83	0.83	0.83
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	649	1294	808	258	515	230	502	295	245	256	273	227
Arrive On Green	0.36	0.36	0.36	0.14	0.14	0.14	0.15	0.16	0.16	0.14	0.15	0.15
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1555	1781	1870	1554
Grp Volume(v), veh/h	612	558	178	28	62	66	440	213	175	136	239	35
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1555	1781	1870	1554
Q Serve(g_s), s	36.4	13.0	0.0	1.5	1.7	4.1	13.6	11.8	11.7	7.7	13.7	2.2
Cycle Q Clear(g_c), s	36.4	13.0	0.0	1.5	1.7	4.1	13.6	11.8	11.7	7.7	13.7	2.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	649	1294	808	258	515	230	502	295	245	256	273	227
V/C Ratio(X)	0.94	0.43	0.22	0.11	0.12	0.29	0.88	0.72	0.71	0.53	0.87	0.15
Avail Cap(c_a), veh/h	814	1624	955	570	1137	507	1422	855	711	407	513	426
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.7	26.2	14.8	40.6	40.7	41.7	45.8	43.8	43.7	43.4	45.7	40.8
Incr Delay (d2), s/veh	15.6	0.1	0.1	0.1	0.0	0.3	2.0	1.3	1.4	0.6	3.5	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	17.9	5.4	2.4	0.6	0.7	1.6	5.7	5.4	4.4	3.3	6.3	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	49.3	26.3	14.9	40.7	40.7	42.0	47.7	45.0	45.2	44.0	49.2	40.9
LnGrp LOS	D	C	B	D	D	D	D	D	D	D	D	D
Approach Vol, veh/h		1348			156			828			410	
Approach Delay, s/veh		35.2			41.2			46.5			46.8	
Approach LOS		D			D			D			D	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	21.7	21.8		21.0	20.4	23.0		44.9				
Change Period (Y+Rc), s	5.8	* 5.8		5.1	* 4.7	5.8		5.1				
Max Green Setting (Gmax), s	45.0	* 30		35.0	* 25	50.0		50.0				
Max Q Clear Time (g_c+l1), s	15.6	15.7		6.1	9.7	13.8		38.4				
Green Ext Time (p_c), s	0.3	0.3		0.1	0.0	0.4		1.4				

### Intersection Summary

HCM 6th Ctrl Delay	40.7
HCM 6th LOS	D

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.













# HCM 6th Signalized Intersection Summary

## 9: Scranton Rd & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	684	2197	636	56	992	144	57	68	24	51	57	124
Future Volume (veh/h)	684	2197	636	56	992	144	57	68	24	51	57	124
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	712	2289	662	57	1012	147	70	84	30	55	65	133
Peak Hour Factor	0.96	0.96	0.96	0.98	0.98	0.98	0.81	0.81	0.81	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	779	3665	1136	72	3050	438	246	184	62	225	118	910
Arrive On Green	0.23	0.72	0.72	0.01	0.18	0.18	0.07	0.07	0.07	0.06	0.06	0.06
Sat Flow, veh/h	3456	5106	1583	1781	5724	822	3563	2658	898	3563	1870	3095
Grp Volume(v), veh/h	712	2289	662	57	851	308	70	58	56	55	65	133
Grp Sat Flow(s),veh/h/ln	1728	1702	1583	1781	1609	1721	1781	1870	1685	1781	1870	1547
Q Serve(g_s), s	38.2	43.6	38.5	6.1	29.3	29.7	3.5	5.6	6.1	2.8	6.4	6.1
Cycle Q Clear(g_c), s	38.2	43.6	38.5	6.1	29.3	29.7	3.5	5.6	6.1	2.8	6.4	6.1
Prop In Lane	1.00		1.00	1.00		0.48	1.00		0.53	1.00		1.00
Lane Grp Cap(c), veh/h	779	3665	1136	72	2571	917	246	129	117	225	118	910
V/C Ratio(X)	0.91	0.62	0.58	0.79	0.33	0.34	0.28	0.45	0.48	0.24	0.55	0.15
Avail Cap(c_a), veh/h	1230	3665	1136	91	2571	917	658	346	311	272	143	951
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.09	0.09	0.09	0.87	0.87	0.87	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	71.8	13.7	13.0	92.9	48.7	48.8	84.0	84.9	85.2	84.7	86.4	50.2
Incr Delay (d2), s/veh	0.7	0.1	0.2	21.3	0.3	0.9	1.6	6.2	7.9	0.8	5.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.8	15.7	13.0	3.3	12.8	14.0	1.7	3.0	2.9	1.3	3.3	2.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.5	13.8	13.2	114.2	49.0	49.7	85.6	91.1	93.1	85.5	92.2	50.3
LnGrp LOS	E	B	B	F	D	D	F	F	F	F	F	D
Approach Vol, veh/h	3663		1216				184			253		
Approach Delay, s/veh	25.1		52.2				89.6			68.7		
Approach LOS	C		D				F			E		
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	12.1	142.6	17.3		47.2	107.4	18.0					
Change Period (Y+Rc), s	4.4	* 6.2	5.3		4.4	6.2	4.9					
Max Green Setting (Gmax), s	1.1E2		14.5		67.6	52.0	35.1					
Max Q Clear Time (g_c+I),s	45.6		8.4		40.2	31.7	8.1					
Green Ext Time (p_c), s	0.0	61.3	0.7		2.6	8.1	1.9					

### Intersection Summary

HCM 6th Ctrl Delay 35.6

HCM 6th LOS D

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 10: Oberline Dr/Lusk Blvd & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	RT ↑↑↑			RT ↑↑↑			RT ↑			RT ↑		
Traffic Volume (veh/h)	211	2119	31	97	1139	393	6	14	23	55	9	51
Future Volume (veh/h)	211	2119	31	97	1139	393	6	14	23	55	9	51
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	224	2254	33	104	1225	423	10	22	37	67	11	62
Peak Hour Factor	0.94	0.94	0.94	0.93	0.93	0.93	0.63	0.63	0.63	0.82	0.82	0.82
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	261	4011	59	138	2766	953	19	86	70	100	120	100
Arrive On Green	0.05	0.52	0.52	0.08	1.00	1.00	0.01	0.05	0.05	0.03	0.06	0.06
Sat Flow, veh/h	3456	5185	76	3456	3748	1292	1781	1870	1528	3456	1870	1563
Grp Volume(v), veh/h	224	1479	808	104	1112	536	10	22	37	67	11	62
Grp Sat Flow(s),veh/h/ln	1728	1702	1857	1728	1702	1635	1781	1870	1528	1728	1870	1563
Q Serve(g_s), s	12.2	56.1	56.3	5.6	0.0	0.0	1.1	2.2	4.5	3.6	1.1	7.3
Cycle Q Clear(g_c), s	12.2	56.1	56.3	5.6	0.0	0.0	1.1	2.2	4.5	3.6	1.1	7.3
Prop In Lane	1.00		0.04	1.00		0.79	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	261	2634	1436	138	2513	1207	19	86	70	100	120	100
V/C Ratio(X)	0.86	0.56	0.56	0.75	0.44	0.44	0.52	0.26	0.53	0.67	0.09	0.62
Avail Cap(c_a), veh/h	638	2634	1436	275	2513	1207	101	374	306	196	364	304
HCM Platoon Ratio	0.67	0.67	0.67	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.70	0.70	0.70	0.36	0.36	0.36	1.00	1.00	1.00	0.99	0.99	0.99
Uniform Delay (d), s/veh	89.2	23.9	23.9	86.5	0.0	0.0	93.5	87.5	88.6	91.4	83.7	86.7
Incr Delay (d2), s/veh	2.3	0.6	1.1	1.1	0.2	0.4	7.8	0.6	2.3	2.8	0.1	2.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.6	24.1	26.6	2.4	0.1	0.1	0.5	1.1	1.8	1.7	0.5	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	91.4	24.5	25.0	87.6	0.2	0.4	101.3	88.1	90.9	94.2	83.8	89.0
LnGrp LOS	F	C	C	F	A	A	F	F	F	F	F	F
Approach Vol, veh/h	2511			1752			69			140		
Approach Delay, s/veh	30.6			5.5			91.5			91.1		
Approach LOS	C			A			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	12.0	153.2	6.5	18.4	18.7	146.4	9.9	14.9				
Change Period (Y+Rc), s	4.4	* 6.2	4.4	6.2	4.4	6.2	4.4	* 6.2				
Max Green Setting (Gmax), s	11.1	11.1	10.8	37.0	35.1	85.9	10.8	* 38				
Max Q Clear Time (g_c+I1),s	58.3	58.3	3.1	9.3	14.2	2.0	5.6	6.5				
Green Ext Time (p_c), s	0.0	6.2	0.0	0.0	0.1	3.9	0.0	0.0				

### Intersection Summary

HCM 6th Ctrl Delay	23.6
HCM 6th LOS	C

### Notes

User approved ignoring U-Turning movement.













\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 11: Pacific Heights Blvd & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	457	1366	342	311	1565	922	33	56	86	86	35	66
Future Volume (veh/h)	457	1366	342	311	1565	922	33	56	86	86	35	66
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.94	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1841	1841	1841	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	491	1469	368	353	1778	0	38	64	98	109	44	84
Peak Hour Factor	0.93	0.93	0.93	0.88	0.88	0.88	0.88	0.88	0.88	0.79	0.79	0.79
Percent Heavy Veh, %	2	2	2	4	4	4	2	2	2	2	2	2
Cap, veh/h	834	3096	959	256	1394		49	191	303	144	413	174
Arrive On Green	0.94	1.00	1.00	0.05	0.09	0.00	0.03	0.10	0.10	0.04	0.12	0.12
Sat Flow, veh/h	1781	5106	1581	1753	5025	1560	1781	1870	2974	3456	3554	1499
Grp Volume(v), veh/h	491	1469	368	353	1778	0	38	64	98	109	44	84
Grp Sat Flow(s),veh/h/ln	1781	1702	1581	1753	1675	1560	1781	1870	1487	1728	1777	1499
Q Serve(g_s), s	7.5	0.0	0.0	27.7	52.7	0.0	4.0	6.0	5.8	5.9	2.1	4.0
Cycle Q Clear(g_c), s	7.5	0.0	0.0	27.7	52.7	0.0	4.0	6.0	5.8	5.9	2.1	4.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	834	3096	959	256	1394		49	191	303	144	413	174
V/C Ratio(X)	0.59	0.47	0.38	1.38	1.28		0.78	0.34	0.32	0.76	0.11	0.48
Avail Cap(c_a), veh/h	834	3096	959	256	1394		109	370	589	211	711	300
HCM Platoon Ratio	2.00	2.00	2.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.76	0.76	0.76	0.09	0.09	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	3.5	0.0	0.0	90.4	86.3	0.0	91.8	79.3	79.2	90.1	75.1	12.9
Incr Delay (d2), s/veh	0.6	0.4	0.9	173.8	124.6	0.0	9.4	0.4	0.2	4.1	0.0	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.1	0.2	25.5	39.9	0.0	2.0	2.9	2.2	2.8	1.0	3.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	4.0	0.4	0.9	264.2	210.9	0.0	101.2	79.7	79.5	94.2	75.2	13.7
LnGrp LOS	A	A	A	F	F		F	E	E	F	E	B
Approach Vol, veh/h	2328			2131			200			237		
Approach Delay, s/veh	1.2			219.7			83.7			62.1		
Approach LOS	A			F			F			E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	32.1	120.9	9.6	27.4	94.6	58.4	12.3	24.7				
Change Period (Y+Rc), s	4.4	5.7	4.4	* 5.3	5.7	* 5.7	4.4	5.3				
Max Green Setting (Gmax), s	27.7	93.2	11.6	* 38	68.3	* 53	11.6	37.6				
Max Q Clear Time (g_c+20),s	2.0	2.0	6.0	6.0	9.5	54.7	7.9	8.0				
Green Ext Time (p_c), s	0.0	3.9	0.0	0.1	0.2	0.0	0.0	0.2				

### Intersection Summary

HCM 6th Ctrl Delay 102.6

HCM 6th LOS F

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary

## 12: Mira Mesa Blvd & Sequence Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	340	838	335	128	2647	118	57	6	14	12	15	236
Future Volume (veh/h)	340	838	335	128	2647	118	57	6	14	12	15	236
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.97	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	378	931	372	138	2846	127	77	0	18	15	18	288
Peak Hour Factor	0.90	0.90	0.90	0.93	0.93	0.93	0.80	0.80	0.80	0.82	0.82	0.82
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	430	2716	832	481	2896	885	130	0	54	67	70	448
Arrive On Green	0.08	0.18	0.18	0.36	0.77	0.77	0.04	0.00	0.04	0.04	0.04	0.04
Sat Flow, veh/h	1753	5025	1539	1753	5025	1537	3563	0	1482	1781	1870	1572
Grp Volume(v), veh/h	378	931	372	138	2846	127	77	0	18	15	18	288
Grp Sat Flow(s),veh/h/ln	1753	1675	1539	1753	1675	1537	1781	0	1482	1781	1870	1572
Q Serve(g_s), s	40.5	30.8	41.0	10.6	101.9	4.1	4.0	0.0	2.3	1.6	1.8	7.1
Cycle Q Clear(g_c), s	40.5	30.8	41.0	10.6	101.9	4.1	4.0	0.0	2.3	1.6	1.8	7.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	430	2716	832	481	2896	885	130	0	54	67	70	448
V/C Ratio(X)	0.88	0.34	0.45	0.29	0.98	0.14	0.59	0.00	0.33	0.23	0.26	0.64
Avail Cap(c_a), veh/h	430	2716	832	481	2896	885	713	0	296	67	70	448
HCM Platoon Ratio	0.33	0.33	0.33	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.80	0.80	0.80	0.53	0.53	0.53	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	84.5	48.5	52.7	47.2	21.3	9.9	90.2	0.0	89.3	88.8	88.9	59.8
Incr Delay (d2), s/veh	18.2	0.3	1.4	0.1	8.8	0.2	1.6	0.0	1.3	0.6	0.7	2.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	21.4	14.0	17.3	4.5	30.5	1.4	1.9	0.0	0.9	0.7	0.9	12.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	102.8	48.8	54.1	47.2	30.1	10.1	91.8	0.0	90.6	89.4	89.6	62.2
LnGrp LOS	F	D	D	D	C	B	F	A	F	F	F	E
Approach Vol, veh/h	1681			3111			95			321		
Approach Delay, s/veh	62.1			30.0			91.6			65.1		
Approach LOS	E			C			F			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	57.8	108.4		12.0	51.0	115.2		11.8				
Change Period (Y+Rc), s	5.7	* 5.7		4.9	4.4	5.7		4.9				
Max Green Setting (Gmax), s	20.3	* 1E2		7.1	46.6	78.4		38.0				
Max Q Clear Time (g_c+1), s	43.0			9.1	42.5	103.9		6.0				
Green Ext Time (p_c), s	0.0	2.2		0.0	0.1	0.0		0.1				

### Intersection Summary

HCM 6th Ctrl Delay	43.7
HCM 6th LOS	D

### Notes

User approved volume balancing among the lanes for turning movement.













User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 13: Mira Mesa Blvd & Genetic Center Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	73	726	45	230	2844	122	10	4	28	29	16	50
Future Volume (veh/h)	73	726	45	230	2844	122	10	4	28	29	16	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	78	781	48	237	2932	126	12	5	35	33	18	57
Peak Hour Factor	0.93	0.93	0.93	0.97	0.97	0.97	0.81	0.81	0.81	0.88	0.88	0.88
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	75	3688	1139	139	3873	1162	22	113	93	43	135	111
Arrive On Green	0.09	1.00	1.00	0.11	1.00	1.00	0.01	0.06	0.06	0.02	0.07	0.07
Sat Flow, veh/h	1753	5025	1552	1753	5025	1508	1781	1870	1530	1781	1870	1539
Grp Volume(v), veh/h	78	781	48	237	2932	126	12	5	35	33	18	57
Grp Sat Flow(s),veh/h/ln	1753	1675	1552	1753	1675	1508	1781	1870	1530	1781	1870	1539
Q Serve(g_s), s	8.1	0.0	0.0	15.1	0.0	0.0	1.3	0.5	4.2	3.5	1.7	6.8
Cycle Q Clear(g_c), s	8.1	0.0	0.0	15.1	0.0	0.0	1.3	0.5	4.2	3.5	1.7	6.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	75	3688	1139	139	3873	1162	22	113	93	43	135	111
V/C Ratio(X)	1.04	0.21	0.04	1.70	0.76	0.11	0.55	0.04	0.38	0.78	0.13	0.51
Avail Cap(c_a), veh/h	75	3688	1139	139	3873	1162	78	374	306	78	374	308
HCM Platoon Ratio	2.00	2.00	2.00	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.97	0.97	0.97	0.21	0.21	0.21	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	86.9	0.0	0.0	85.0	0.0	0.0	93.3	84.1	85.8	92.2	82.6	84.9
Incr Delay (d2), s/veh	115.0	0.1	0.1	321.9	0.3	0.0	7.6	0.1	0.9	10.6	0.2	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.9	0.0	0.0	19.0	0.1	0.0	0.6	0.2	1.7	1.8	0.8	2.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	201.9	0.1	0.1	406.9	0.3	0.0	100.9	84.1	86.7	102.8	82.7	86.3
LnGrp LOS	F	A	A	F	A	A	F	F	F	F	F	F
Approach Vol, veh/h	907			3295			52			108		
Approach Delay, s/veh	17.5			29.5			89.7			90.8		
Approach LOS	B			C			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	19.5	145.1	6.7	18.6	12.5	152.1	8.9	16.4				
Change Period (Y+Rc), s	4.4	5.7	4.4	4.9	4.4	5.7	4.4	4.9				
Max Green Setting (Gmax), s	109.2	8.3	38.0	8.1	116.2	8.3	38.0					
Max Q Clear Time (g_c+1),s	2.0	3.3	8.8	10.1	2.0	5.5	6.2					
Green Ext Time (p_c), s	0.0	1.7	0.0	0.1	0.0	14.8	0.0	0.0				

## Intersection Summary

HCM 6th Ctrl Delay 29.3  
HCM 6th LOS C

## Notes

User approved ignoring U-Turning movement.



# HCM 6th Signalized Intersection Summary

## 14: Mira Mesa Blvd & Flanders Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	51	454	291	84	2825	131	334	44	47	18	17	42
Future Volume (veh/h)	51	454	291	84	2825	131	334	44	47	18	17	42
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		0.98	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	55	488	313	90	3038	141	430	0	55	25	24	59
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.85	0.85	0.85	0.71	0.71	0.71
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	69	3220	995	106	3326	1011	479	0	209	99	104	87
Arrive On Green	0.01	0.21	0.21	0.08	0.88	0.88	0.13	0.00	0.13	0.06	0.06	0.06
Sat Flow, veh/h	1753	5025	1553	1753	5025	1528	3563	0	1551	1781	1870	1568
Grp Volume(v), veh/h	55	488	313	90	3038	141	430	0	55	25	24	59
Grp Sat Flow(s),veh/h/ln	1753	1675	1553	1753	1675	1528	1781	0	1551	1781	1870	1568
Q Serve(g_s), s	5.9	15.0	32.3	9.6	70.2	2.4	22.6	0.0	6.0	2.6	2.3	7.0
Cycle Q Clear(g_c), s	5.9	15.0	32.3	9.6	70.2	2.4	22.6	0.0	6.0	2.6	2.3	7.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	69	3220	995	106	3326	1011	479	0	209	99	104	87
V/C Ratio(X)	0.79	0.15	0.31	0.85	0.91	0.14	0.90	0.00	0.26	0.25	0.23	0.68
Avail Cap(c_a), veh/h	89	3220	995	145	3326	1011	713	0	310	356	374	314
HCM Platoon Ratio	0.33	0.33	0.33	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.97	0.97	0.97	0.51	0.51	0.51	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	93.0	32.8	39.7	86.5	8.0	4.0	80.9	0.0	73.8	85.9	85.8	88.0
Incr Delay (d2), s/veh	22.7	0.1	0.8	12.2	2.7	0.1	7.6	0.0	0.2	0.5	0.4	3.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.2	6.8	13.8	4.6	7.5	0.8	10.9	0.0	2.4	1.2	1.2	2.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	115.6	32.9	40.5	98.7	10.8	4.1	88.6	0.0	74.0	86.4	86.2	91.4
LnGrp LOS	F	C	D	F	B	A	F	A	E	F	F	F
Approach Vol, veh/h	856			3269			485			108		
Approach Delay, s/veh	41.0			12.9			86.9			89.1		
Approach LOS	D			B			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	15.9	127.7		15.5	11.9	131.8		30.9				
Change Period (Y+Rc), s	4.4	* 6		4.9	4.4	6.0		5.3				
Max Green Setting (Gmax), s	10.5	* 78		38.0	9.7	83.7		38.0				
Max Q Clear Time (g_c+11),s	34.3			9.0	7.9	72.2		24.6				
Green Ext Time (p_c), s	0.0	1.1		0.1	0.0	7.8		0.3				

### Intersection Summary

HCM 6th Ctrl Delay 27.4  
HCM 6th LOS C

### Notes

User approved volume balancing among the lanes for turning movement.













User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 15: Mira Mesa Blvd & Viper Wy

Existing  
Timing Plan: AM Peak















Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	24	374	98	52	2860	65	147	25	50	8	13	8
Future Volume (veh/h)	24	374	98	52	2860	65	147	25	50	8	13	8
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		0.98	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	24	382	100	55	3011	68	184	31	62	14	23	14
Peak Hour Factor	0.98	0.98	0.98	0.95	0.95	0.95	0.80	0.80	0.80	0.56	0.56	0.56
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	33	3722	1127	69	3824	1152	219	192	153	24	56	34
Arrive On Green	0.04	1.00	1.00	0.05	1.00	1.00	0.06	0.10	0.10	0.01	0.05	0.05
Sat Flow, veh/h	1753	5025	1522	1753	5025	1514	3456	1870	1495	1781	1065	649
Grp Volume(v), veh/h	24	382	100	55	3011	68	184	31	62	14	0	37
Grp Sat Flow(s),veh/h/ln	1753	1675	1522	1753	1675	1514	1728	1870	1495	1781	0	1714
Q Serve(g_s), s	2.6	0.0	0.0	5.9	0.0	0.0	10.0	2.9	7.4	1.5	0.0	4.0
Cycle Q Clear(g_c), s	2.6	0.0	0.0	5.9	0.0	0.0	10.0	2.9	7.4	1.5	0.0	4.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.38
Lane Grp Cap(c), veh/h	33	3722	1127	69	3824	1152	219	192	153	24	0	91
V/C Ratio(X)	0.72	0.10	0.09	0.80	0.79	0.06	0.84	0.16	0.40	0.57	0.00	0.41
Avail Cap(c_a), veh/h	70	3722	1127	95	3824	1152	266	449	359	66	0	343
HCM Platoon Ratio	2.00	2.00	2.00	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.99	0.99	0.99	0.33	0.33	0.33	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	90.9	0.0	0.0	89.3	0.0	0.0	88.0	77.8	79.8	93.1	0.0	87.1
Incr Delay (d2), s/veh	10.4	0.1	0.2	7.1	0.6	0.0	15.4	0.1	0.6	7.6	0.0	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	0.0	0.0	2.8	0.2	0.0	5.0	1.4	2.9	0.7	0.0	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	101.3	0.1	0.2	96.4	0.6	0.0	103.5	77.9	80.4	100.7	0.0	88.2
LnGrp LOS	F	A	A	F	A	A	F	E	F	F	A	F
Approach Vol, veh/h	506		3134				277		51			
Approach Delay, s/veh	4.9		2.2				95.5		91.6			
Approach LOS	A		A				F		F			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	1.9	146.7	16.4	15.0	8.0	150.6	7.0	24.4				
Change Period (Y+Rc), s	4.4	6.0	4.4	4.9	4.4	6.0	4.4	4.9				
Max Green Setting (Gmax), s	107.3	107.4	14.6	38.0	7.6	110.1	7.0	45.6				
Max Q Clear Time (g_c+I),s	1.9	2.0	12.0	6.0	4.6	2.0	3.5	9.4				
Green Ext Time (p_c), s	0.0	0.8	0.0	0.1	0.0	15.9	0.0	0.1				
Intersection Summary												
HCM 6th Ctrl Delay	10.2											
HCM 6th LOS	B											

# HCM 6th Signalized Intersection Summary

## 16: Camino Santa Fe & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	24	311	89	585	2831	305	91	105	66	114	293	116
Future Volume (veh/h)	24	311	89	585	2831	305	91	105	66	114	293	116
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1811	1811	1811	1575	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	26	342	98	609	2949	318	93	107	67	134	345	136
Peak Hour Factor	0.91	0.91	0.91	0.96	0.96	0.96	0.98	0.98	0.98	0.85	0.85	0.85
Percent Heavy Veh, %	4	4	4	6	6	6	2	2	2	2	2	2
Cap, veh/h	34	1485	458	679	3310	1008	107	542	863	169	425	187
Arrive On Green	0.01	0.10	0.10	0.79	1.00	1.00	0.07	0.15	0.15	0.05	0.12	0.12
Sat Flow, veh/h	1753	5025	1549	1725	4944	1506	1500	3554	1569	3456	3554	1565
Grp Volume(v), veh/h	26	342	98	609	2949	318	93	107	67	134	345	136
Grp Sat Flow(s),veh/h/ln	1753	1675	1549	1725	1648	1506	1500	1777	1569	1728	1777	1565
Q Serve(g_s), s	2.8	11.9	9.0	48.6	0.0	0.0	11.7	5.0	3.8	7.3	18.0	14.5
Cycle Q Clear(g_c), s	2.8	11.9	9.0	48.6	0.0	0.0	11.7	5.0	3.8	7.3	18.0	14.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	34	1485	458	679	3310	1008	107	542	863	169	425	187
V/C Ratio(X)	0.76	0.23	0.21	0.90	0.89	0.32	0.87	0.20	0.08	0.79	0.81	0.73
Avail Cap(c_a), veh/h	65	1485	458	679	3310	1008	171	842	996	255	692	305
HCM Platoon Ratio	0.33	0.33	0.33	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	0.28	0.28	0.28	0.99	0.99	0.99	1.00	1.00	1.00
Uniform Delay (d), s/veh	93.9	65.8	42.8	17.4	0.0	0.0	87.3	70.4	20.4	89.4	81.6	67.3
Incr Delay (d2), s/veh	11.7	0.0	0.1	4.8	1.2	0.2	14.4	0.1	0.0	4.9	1.4	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	5.3	3.6	8.5	0.4	0.1	4.9	2.3	1.4	3.3	8.2	5.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	105.6	65.8	42.9	22.2	1.2	0.2	101.7	70.4	20.5	94.3	83.0	69.3
LnGrp LOS	F	E	D	C	A	A	F	E	C	F	F	E
Approach Vol, veh/h	466			3876			267			615		
Approach Delay, s/veh	63.2			4.4			68.8			82.4		
Approach LOS	E			A			E			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	39.2	62.1	19.6	29.1	8.1	133.2	13.7	35.0				
Change Period (Y+Rc), s	4.4	6.0	6.0	* 6.4	4.4	6.0	4.4	6.0				
Max Green Setting (Gmax), s	70.2	37.0	21.6	* 37	7.0	103.2	14.0	45.0				
Max Q Clear Time (g_c+5),s	50.6	13.9	13.7	20.0	4.8	2.0	9.3	7.0				
Green Ext Time (p_c), s	0.2	0.7	0.0	0.7	0.0	15.5	0.0	0.2				

### Intersection Summary

HCM 6th Ctrl Delay 22.1  
HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 17: Mira Mesa Blvd & Schilling Ave

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	21	465	7	22	3533	27	45	2	50	78	8	103
Future Volume (veh/h)	21	465	7	22	3533	27	45	2	50	78	8	103
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.97	0.98		0.97	0.98		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1739	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	24	541	8	23	3642	28	56	2	62	88	9	116
Peak Hour Factor	0.86	0.86	0.86	0.97	0.97	0.97	0.81	0.81	0.81	0.89	0.89	0.89
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	30	3700	1140	29	3696	1069	219	7	238	181	289	238
Arrive On Green	0.03	1.00	1.00	0.03	1.00	1.00	0.15	0.15	0.15	0.15	0.15	0.15
Sat Flow, veh/h	1725	4944	1524	1725	4944	1430	1177	47	1542	1309	1870	1542
Grp Volume(v), veh/h	24	541	8	23	3642	28	58	0	62	88	9	116
Grp Sat Flow(s),veh/h/ln	1725	1648	1524	1725	1648	1430	1223	0	1542	1309	1870	1542
Q Serve(g_s), s	2.6	0.0	0.0	2.5	0.0	0.0	7.7	0.0	6.7	12.2	0.8	13.1
Cycle Q Clear(g_c), s	2.6	0.0	0.0	2.5	0.0	0.0	8.5	0.0	6.7	20.7	0.8	13.1
Prop In Lane	1.00		1.00	1.00		1.00	0.97		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	30	3700	1140	29	3696	1069	226	0	238	181	289	238
V/C Ratio(X)	0.80	0.15	0.01	0.80	0.99	0.03	0.26	0.00	0.26	0.48	0.03	0.49
Avail Cap(c_a), veh/h	74	3700	1140	146	3696	1069	263	0	284	220	345	284
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.92	0.92	0.92	0.24	0.24	0.24	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	91.3	0.0	0.0	91.5	0.0	0.0	71.8	0.0	70.8	80.7	68.2	73.4
Incr Delay (d2), s/veh	14.8	0.1	0.0	4.5	4.6	0.0	0.2	0.0	0.2	0.7	0.0	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	0.0	0.0	1.1	1.6	0.0	2.6	0.0	2.7	4.2	0.4	5.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	106.1	0.1	0.0	96.0	4.6	0.0	72.0	0.0	71.0	81.5	68.3	74.0
LnGrp LOS	F	A	A	F	A	A	E	A	E	F	E	E
Approach Vol, veh/h	573			3693			120			213		
Approach Delay, s/veh	4.5			5.2			71.5			76.9		
Approach LOS	A			A			E			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.6	148.2		34.2	7.7	148.0		34.2				
Change Period (Y+Rc), s	4.4	6.0		4.9	4.4	6.0		4.9				
Max Green Setting (Gmax), s	123.6			35.0	8.1	131.6		35.0				
Max Q Clear Time (g_c+I1),s	2.0			22.7	4.6	2.0		10.5				
Green Ext Time (p_c), s	0.0	6.3		0.3	0.0	127.0		0.3				

### Intersection Summary

HCM 6th Ctrl Delay 10.1  
HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 18: Mira Mesa Blvd & Aderman Ave

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	11	596	2	22	3520	32	14	6	37	119	16	43
Future Volume (veh/h)	11	596	2	22	3520	32	14	6	37	119	16	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1739	1811	1811	1739	1870	1870	1870	1870	1870	1796
Adj Flow Rate, veh/h	12	662	2	22	3556	32	19	8	49	155	21	56
Peak Hour Factor	0.90	0.90	0.90	0.99	0.99	0.99	0.75	0.75	0.75	0.77	0.77	0.77
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	17	3771	1121	28	3801	1104	65	36	140	210	261	212
Arrive On Green	0.02	1.00	1.00	0.03	1.00	1.00	0.14	0.14	0.14	0.14	0.14	0.14
Sat Flow, veh/h	1725	4944	1471	1725	4944	1436	298	257	1007	1344	1870	1518
Grp Volume(v), veh/h	12	662	2	22	3556	32	76	0	0	155	21	56
Grp Sat Flow(s),veh/h/ln	1725	1648	1471	1725	1648	1436	1562	0	0	1344	1870	1518
Q Serve(g_s), s	1.3	0.0	0.0	2.4	0.0	0.0	2.1	0.0	0.0	15.7	1.9	6.3
Cycle Q Clear(g_c), s	1.3	0.0	0.0	2.4	0.0	0.0	8.0	0.0	0.0	23.7	1.9	6.3
Prop In Lane	1.00		1.00	1.00		1.00	0.25		0.64	1.00		1.00
Lane Grp Cap(c), veh/h	17	3771	1121	28	3801	1104	241	0	0	210	261	212
V/C Ratio(X)	0.70	0.18	0.00	0.80	0.94	0.03	0.31	0.00	0.00	0.74	0.08	0.26
Avail Cap(c_a), veh/h	92	3771	1121	92	3801	1104	340	0	0	297	381	309
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.98	0.98	0.98	0.09	0.09	0.09	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	92.8	0.0	0.0	91.7	0.0	0.0	73.7	0.0	0.0	81.3	71.2	73.1
Incr Delay (d2), s/veh	17.5	0.1	0.0	1.9	0.6	0.0	0.3	0.0	0.0	2.8	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.0	0.0	1.1	0.2	0.0	3.4	0.0	0.0	7.7	0.9	2.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	110.3	0.1	0.0	93.5	0.6	0.0	74.0	0.0	0.0	84.1	71.2	73.3
LnGrp LOS	F	A	A	F	A	A	E	A	A	F	E	E
Approach Vol, veh/h	676			3610			76			232		
Approach Delay, s/veh	2.1			1.2			74.0			80.4		
Approach LOS	A			A			E			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.4	151.2		31.4	6.3	152.4		31.4				
Change Period (Y+Rc), s	4.4	* 6.3		4.9	4.4	6.3		4.9				
Max Green Setting (Gmax), s	1.3E2			38.7	10.1	125.6		38.7				
Max Q Clear Time (g_c+I_T), s	2.0			25.7	3.3	2.0		10.0				
Green Ext Time (p_c), s	0.0	5.9		0.3	0.0	115.1		0.3				

### Intersection Summary

HCM 6th Ctrl Delay 6.5

HCM 6th LOS A

### Notes

User approved ignoring U-Turning movement.





\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 19: Parkdale Ave & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	48	660	50	39	3277	35	96	20	83	72	69	199
Future Volume (veh/h)	48	660	50	39	3277	35	96	20	83	72	69	199
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1811	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	55	750	57	41	3449	37	117	24	101	77	73	212
Peak Hour Factor	0.88	0.88	0.88	0.95	0.95	0.95	0.82	0.82	0.82	0.94	0.94	0.94
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	69	2998	227	52	3182	34	135	318	266	94	276	230
Arrive On Green	0.08	1.00	1.00	0.06	1.00	1.00	0.08	0.17	0.17	0.05	0.15	0.15
Sat Flow, veh/h	1725	4679	354	1725	5042	54	1781	1870	1563	1781	1870	1559
Grp Volume(v), veh/h	55	527	280	41	2250	1236	117	24	101	77	73	212
Grp Sat Flow(s),veh/h/ln	1725	1648	1737	1725	1648	1800	1781	1870	1563	1781	1870	1559
Q Serve(g_s), s	6.0	0.0	0.0	4.5	0.0	119.9	12.3	2.0	10.9	8.1	6.6	25.5
Cycle Q Clear(g_c), s	6.0	0.0	0.0	4.5	0.0	119.9	12.3	2.0	10.9	8.1	6.6	25.5
Prop In Lane	1.00		0.20	1.00		0.03	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	69	2112	1113	52	2080	1136	135	318	266	94	276	230
V/C Ratio(X)	0.80	0.25	0.25	0.79	1.08	1.09	0.87	0.08	0.38	0.82	0.26	0.92
Avail Cap(c_a), veh/h	173	2112	1113	128	2080	1136	164	318	266	164	311	259
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.96	0.96	0.96	0.09	0.09	0.09	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	86.7	0.0	0.0	88.7	0.0	0.0	86.9	66.3	69.9	89.1	71.9	79.9
Incr Delay (d2), s/veh	7.6	0.3	0.5	0.9	37.7	41.5	28.3	0.0	0.3	6.6	0.2	32.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.7	0.1	0.2	1.9	10.9	13.1	6.8	1.0	4.4	4.0	3.2	12.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	94.3	0.3	0.5	89.6	37.7	41.5	115.2	66.3	70.3	95.7	72.1	112.2
LnGrp LOS	F	A	A	F	F	F	F	E	E	F	E	F
Approach Vol, veh/h	862			3527			242			362		
Approach Delay, s/veh	6.4			39.6			91.6			100.6		
Approach LOS	A			D			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	10.1	128.2	18.8	32.9	11.9	126.4	14.4	37.3				
Change Period (Y+Rc), s	4.4	* 6.5	4.4	4.9	4.4	6.5	4.4	4.9				
Max Green Setting (G_max), s	11.1	11.1	17.5	31.6	19.1	101.6	17.5	31.6				
Max Q Clear Time (g_c+I),s	2.0	2.0	14.3	27.5	8.0	121.9	10.1	12.9				
Green Ext Time (p_c), s	0.0	6.7	0.0	0.3	0.0	0.0	0.0	0.2				

### Intersection Summary

HCM 6th Ctrl Delay 40.8

HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 20: Reagan Rd & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (veh/h)	51	677	57	24	2908	23	156	58	20	73	120	254
Future Volume (veh/h)	51	677	57	24	2908	23	156	58	20	73	120	254
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1781	1781	1781	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	56	744	63	25	3061	24	214	79	27	85	140	295
Peak Hour Factor	0.91	0.91	0.91	0.95	0.95	0.95	0.73	0.73	0.73	0.86	0.86	0.86
Percent Heavy Veh, %	6	6	6	8	8	8	2	2	2	2	2	2
Cap, veh/h	69	2837	239	31	2868	876	142	208	67	331	330	291
Arrive On Green	0.08	1.00	1.00	0.04	1.00	1.00	0.08	0.08	0.08	0.19	0.19	0.19
Sat Flow, veh/h	1725	4639	390	1697	4863	1485	1781	2619	849	1781	1777	1567
Grp Volume(v), veh/h	56	527	280	25	3061	24	214	52	54	85	140	295
Grp Sat Flow(s), veh/h/ln	1725	1648	1733	1697	1621	1485	1781	1777	1690	1781	1777	1567
Q Serve(g_s), s	6.1	0.0	0.0	2.8	112.0	0.0	15.1	5.3	5.7	7.8	13.2	35.3
Cycle Q Clear(g_c), s	6.1	0.0	0.0	2.8	112.0	0.0	15.1	5.3	5.7	7.8	13.2	35.3
Prop In Lane	1.00		0.23	1.00		1.00	1.00		0.50	1.00		1.00
Lane Grp Cap(c), veh/h	69	2016	1060	31	2868	876	142	141	134	331	330	291
V/C Ratio(X)	0.81	0.26	0.26	0.80	1.07	0.03	1.51	0.37	0.40	0.26	0.42	1.01
Avail Cap(c_a), veh/h	92	2016	1060	90	2868	876	142	141	134	331	330	291
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.97	0.97	0.97	0.52	0.52	0.52	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	86.6	0.0	0.0	91.1	0.0	0.0	87.4	82.9	83.1	66.1	68.4	77.4
Incr Delay (d2), s/veh	23.4	0.3	0.6	8.7	34.8	0.0	263.1	2.1	2.5	0.6	1.3	56.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	3.1	0.1	0.2	1.3	9.2	0.0	17.4	2.5	2.6	3.6	6.2	18.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	110.0	0.3	0.6	99.8	34.8	0.0	350.6	85.0	85.6	66.8	69.7	133.5
LnGrp LOS	F	A	A	F	F	A	F	F	F	E	E	F
Approach Vol, veh/h		863			3110			320			520	
Approach Delay, s/veh		7.5			35.0			262.7			105.4	
Approach LOS		A			D			F			F	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.9	121.9		40.2	12.1	117.7		20.0				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	5.7		4.9				
Max Green Setting (G_max), s	109.6			35.3	10.1	109.6		15.1				
Max Q Clear Time (g_c+I_1), s	11.8	2.0		37.3	8.1	114.0		17.1				
Green Ext Time (p_c), s	0.0	9.4		0.0	0.0	0.0		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 52.8  
HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 21: Mira Mesa Blvd & Driveway

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↑↑	↗	↔	↑↑↑	↗	↗	↑	↗	↗	↗	↗
Traffic Volume (veh/h)	28	639	31	35	2941	26	24	8	13	17	6	28
Future Volume (veh/h)	28	639	31	35	2941	26	24	8	13	17	6	28
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	0.98		0.97	0.97		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1781	1781	1710	1781	1781	1710	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	31	702	34	37	3096	27	34	11	19	20	7	33
Peak Hour Factor	0.91	0.91	0.91	0.95	0.95	0.95	0.70	0.70	0.70	0.85	0.85	0.85
Percent Heavy Veh, %	8	8	8	8	8	8	2	2	2	2	2	2
Cap, veh/h	39	3883	1153	61	3861	1119	146	195	160	170	29	136
Arrive On Green	0.05	1.00	1.00	0.04	1.00	1.00	0.10	0.10	0.10	0.10	0.10	0.10
Sat Flow, veh/h	1697	4863	1444	3291	4863	1410	1334	1870	1539	1342	278	1311
Grp Volume(v), veh/h	31	702	34	37	3096	27	34	11	19	20	0	40
Grp Sat Flow(s),veh/h/ln	1697	1621	1444	1646	1621	1410	1334	1870	1539	1342	0	1589
Q Serve(g_s), s	3.4	0.0	0.0	2.1	0.0	0.0	4.6	1.0	2.1	2.6	0.0	4.4
Cycle Q Clear(g_c), s	3.4	0.0	0.0	2.1	0.0	0.0	9.0	1.0	2.1	3.6	0.0	4.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.82
Lane Grp Cap(c), veh/h	39	3883	1153	61	3861	1119	146	195	160	170	0	165
V/C Ratio(X)	0.79	0.18	0.03	0.60	0.80	0.02	0.23	0.06	0.12	0.12	0.00	0.24
Avail Cap(c_a), veh/h	81	3883	1153	158	3861	1119	248	338	278	273	0	287
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.97	0.97	0.97	0.09	0.09	0.09	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	90.2	0.0	0.0	90.8	0.0	0.0	82.4	76.7	77.2	78.3	0.0	78.2
Incr Delay (d2), s/veh	12.1	0.1	0.0	0.3	0.2	0.0	0.3	0.0	0.1	0.1	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	0.0	0.9	0.1	0.0	1.6	0.5	0.9	0.9	0.0	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	102.3	0.1	0.0	91.1	0.2	0.0	82.7	76.8	77.3	78.4	0.0	78.5
LnGrp LOS	F	A	A	F	A	A	F	E	E	E	A	E
Approach Vol, veh/h	767			3160			64			60		
Approach Delay, s/veh	4.2			1.2			80.1			78.5		
Approach LOS	A			A			F			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.9	157.4		24.7	8.8	156.6		24.7				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	5.7		4.9				
Max Green Setting (Gmax), s	131.6			34.3	9.1	131.6		34.3				
Max Q Clear Time (g_c+I1),s	2.0			6.4	5.4	2.0		11.0				
Green Ext Time (p_c), s	0.0	7.1		0.1	0.0	101.4		0.1				

### Intersection Summary

HCM 6th Ctrl Delay 4.2  
HCM 6th LOS A

### Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 22: Camino Ruiz & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔↔↔↔↔			↔↔↔↔↔			↔		↔↔↔↔↔		↔	
Traffic Volume (veh/h)	86	711	15	167	2559	110	92	255	192	367	452	174
Future Volume (veh/h)	86	711	15	167	2559	110	92	255	192	367	452	174
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.93	1.00		0.93
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1781	1781	1781	1500	1781	1781	1841	1841	1841	1811	1811	1739
Adj Flow Rate, veh/h	123	1016	21	188	2875	124	118	327	246	399	491	189
Peak Hour Factor	0.70	0.70	0.70	0.89	0.89	0.89	0.78	0.78	0.78	0.92	0.92	0.92
Percent Heavy Veh, %	8	8	8	8	8	8	4	4	4	6	6	6
Cap, veh/h	109	2508	52	194	2668	807	135	915	264	433	806	322
Arrive On Green	0.07	1.00	1.00	0.14	1.00	1.00	0.08	0.18	0.18	0.13	0.23	0.23
Sat Flow, veh/h	3291	4901	101	2772	4863	1470	1753	5025	1449	3346	3441	1375
Grp Volume(v), veh/h	123	672	365	188	2875	124	118	327	246	399	491	189
Grp Sat Flow(s),veh/h/ln	1646	1621	1760	1386	1621	1470	1753	1675	1449	1673	1721	1375
Q Serve(g_s), s	6.3	0.0	0.0	12.8	104.2	0.0	12.7	10.8	31.8	22.4	24.2	23.2
Cycle Q Clear(g_c), s	6.3	0.0	0.0	12.8	104.2	0.0	12.7	10.8	31.8	22.4	24.2	23.2
Prop In Lane	1.00		0.06	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	109	1659	901	194	2668	807	135	915	264	433	806	322
V/C Ratio(X)	1.13	0.40	0.41	0.97	1.08	0.15	0.87	0.36	0.93	0.92	0.61	0.59
Avail Cap(c_a), veh/h	109	1659	901	194	2668	807	140	942	272	461	844	337
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.99	0.99	0.99	0.09	0.09	0.09	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	88.7	0.0	0.0	81.5	0.0	0.0	86.8	68.0	76.6	81.8	65.0	64.6
Incr Delay (d2), s/veh	124.0	0.7	1.3	12.8	35.7	0.0	38.8	0.4	37.3	22.5	1.5	3.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	0.2	0.3	4.6	8.8	0.0	7.2	4.7	14.5	11.0	10.8	8.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	212.7	0.7	1.3	94.3	35.7	0.0	125.6	68.4	113.9	104.3	66.5	67.8
LnGrp LOS	F	A	A	F	F	A	F	E	F	F	E	E
Approach Vol, veh/h	1160			3187			691			1079		
Approach Delay, s/veh	23.4			37.8			94.4			80.7		
Approach LOS	C			D			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	7.7	103.0	19.0	50.2	10.7	110.0	29.0	40.3				
Change Period (Y+Rc), s	4.4	5.8	4.4	5.7	4.4	* 5.8	4.4	* 5.7				
Max Green Setting (Gmax), s	10.3	94.6	15.2	46.6	6.3	* 1E2	26.2	* 36				
Max Q Clear Time (g_c+1),s	11.8	2.0	14.7	26.2	8.3	106.2	24.4	33.8				
Green Ext Time (p_c), s	0.0	20.8	0.0	5.6	0.0	0.0	0.2	0.8				

### Intersection Summary

HCM 6th Ctrl Delay 49.0

HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.















\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 23: Reagan Rd/New Salem St & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		  			  							
Traffic Volume (veh/h)	124	1125	66	125	2483	103	121	95	86	143	135	33
Future Volume (veh/h)	124	1125	66	125	2483	103	121	95	86	143	135	33
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.88	1.00		0.87
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1500	1781	1781	1811	1811	1811	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	141	1278	75	145	2887	120	181	142	128	223	211	52
Peak Hour Factor	0.88	0.88	0.88	0.86	0.86	0.86	0.67	0.67	0.67	0.64	0.64	0.64
Percent Heavy Veh, %	8	8	8	6	6	6	2	2	2	2	2	2
Cap, veh/h	154	2524	773	164	2465	101	185	154	139	185	341	252
Arrive On Green	0.22	1.00	1.00	0.03	0.17	0.17	0.10	0.18	0.18	0.10	0.18	0.18
Sat Flow, veh/h	1429	4863	1489	1725	4869	199	1781	846	763	1781	1870	1382
Grp Volume(v), veh/h	141	1278	75	145	1941	1066	181	0	270	223	211	52
Grp Sat Flow(s),veh/h/ln	1429	1621	1489	1725	1648	1772	1781	0	1609	1781	1870	1382
Q Serve(g_s), s	18.3	0.0	0.0	15.9	96.2	96.2	19.3	0.0	31.3	19.7	19.8	6.1
Cycle Q Clear(g_c), s	18.3	0.0	0.0	15.9	96.2	96.2	19.3	0.0	31.3	19.7	19.8	6.1
Prop In Lane	1.00		1.00	1.00		0.11	1.00		0.47	1.00		1.00
Lane Grp Cap(c), veh/h	154	2524	773	164	1669	897	185	0	294	185	341	252
V/C Ratio(X)	0.92	0.51	0.10	0.89	1.16	1.19	0.98	0.00	0.92	1.21	0.62	0.21
Avail Cap(c_a), veh/h	226	2524	773	273	1669	897	185	0	302	185	350	259
HCM Platoon Ratio	2.00	2.00	2.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.78	0.78	0.78	0.09	0.09	0.09	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	73.7	0.0	0.0	91.0	79.1	79.1	85.0	0.0	76.3	85.2	71.6	66.0
Incr Delay (d2), s/veh	20.2	0.6	0.2	1.0	74.0	86.0	60.0	0.0	30.7	133.1	2.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	0.1	0.0	7.5	60.0	67.6	12.0	0.0	15.6	16.0	9.8	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	93.9	0.6	0.2	92.0	153.1	165.1	145.0	0.0	107.0	218.3	73.8	66.1
LnGrp LOS	F	A	A	F	F	F	F	A	F	F	E	E
Approach Vol, veh/h	1494		3152			451			486			
Approach Delay, s/veh	9.4		154.3			122.2			139.3			
Approach LOS	A		F			F			F			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc),s	22.4	103.9	24.1	39.6	24.8	101.5	24.1	39.6				
Change Period (Y+Rc), s	4.4	5.3	4.4	4.9	4.4	5.3	4.4	4.9				
Max Green Setting (G_max), s	30.1	85.6	19.7	35.6	30.1	85.6	19.7	35.6				
Max Q Clear Time (g_c+17),s	17.0	2.0	21.3	21.8	20.3	98.2	21.7	33.3				
Green Ext Time (p_c), s	0.1	23.6	0.0	0.7	0.1	0.0	0.0	0.3				

### Intersection Summary

HCM 6th Ctrl Delay 111.6

HCM 6th LOS F

### Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 24: Westonhill Dr & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑	5 ↑↑↑
Traffic Volume (veh/h)	29	1258	9	18	2775	38	73	81	36	277	103	112
Future Volume (veh/h)	29	1258	9	18	2775	38	73	81	36	277	103	112
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1811	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	33	1413	10	20	3049	42	95	105	47	234	277	138
Peak Hour Factor	0.89	0.89	0.89	0.91	0.91	0.91	0.77	0.77	0.77	0.81	0.81	0.81
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	42	3150	22	25	3074	42	173	119	53	291	306	254
Arrive On Green	0.01	0.21	0.21	0.03	1.00	1.00	0.10	0.10	0.10	0.16	0.16	0.16
Sat Flow, veh/h	1725	5064	36	1725	5024	69	1781	1220	546	1781	1870	1553
Grp Volume(v), veh/h	33	920	503	20	1995	1096	95	0	152	234	277	138
Grp Sat Flow(s),veh/h/ln	1725	1648	1804	1725	1648	1797	1781	0	1766	1781	1870	1553
Q Serve(g_s), s	3.6	46.4	46.4	2.2	0.0	0.0	9.7	0.0	16.2	24.0	27.6	15.5
Cycle Q Clear(g_c), s	3.6	46.4	46.4	2.2	0.0	0.0	9.7	0.0	16.2	24.0	27.6	15.5
Prop In Lane	1.00		0.02	1.00		0.04	1.00		0.31	1.00		1.00
Lane Grp Cap(c), veh/h	42	2050	1122	25	2017	1099	173	0	172	291	306	254
V/C Ratio(X)	0.78	0.45	0.45	0.81	0.99	1.00	0.55	0.00	0.88	0.80	0.91	0.54
Avail Cap(c_a), veh/h	83	2050	1122	83	2017	1099	222	0	220	338	354	294
HCM Platoon Ratio	0.33	0.33	0.33	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.75	0.75	0.75	0.57	0.57	0.57	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	93.7	47.0	47.0	92.0	0.0	0.0	81.8	0.0	84.7	76.5	78.0	72.9
Incr Delay (d2), s/veh	8.5	0.5	1.0	12.1	12.8	19.8	1.0	0.0	23.6	9.9	22.2	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	20.9	23.0	1.1	3.6	6.0	4.6	0.0	8.6	11.9	15.3	6.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	102.2	47.5	48.0	104.1	12.8	19.8	82.8	0.0	108.3	86.4	100.2	73.6
LnGrp LOS	F	D	D	F	B	B	F	A	F	F	F	E
Approach Vol, veh/h	1456			3111			247			649		
Approach Delay, s/veh	48.9			15.8			98.5			89.6		
Approach LOS	D			B			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	71	123.5		36.0	9.0	121.6		23.4				
Change Period (Y+Rc), s	4.4	5.3		4.9	4.4	* 5.3		4.9				
Max Green Setting (Gmax), s	101.7			36.0	9.1	* 1E2		23.7				
Max Q Clear Time (g_c+I1), s	48.4			29.6	5.6	2.0		18.2				
Green Ext Time (p_c), s	0.0	14.4		1.0	0.0	96.3		0.3				

### Intersection Summary

HCM 6th Ctrl Delay 37.1  
HCM 6th LOS D

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 25: Greenford Dr & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↩ ↑↑↑			↩ ↑↑↑			↩ ↑↑			↩ ↑		
Traffic Volume (veh/h)	6	1592	39	30	2604	34	75	50	118	38	37	13
Future Volume (veh/h)	6	1592	39	30	2604	34	75	50	118	38	37	13
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1811	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	7	1830	45	33	2830	37	109	72	171	47	46	16
Peak Hour Factor	0.87	0.87	0.87	0.92	0.92	0.92	0.69	0.69	0.69	0.81	0.81	0.81
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	11	3307	81	45	3450	45	179	98	346	71	64	18
Arrive On Green	0.01	1.00	1.00	0.05	1.00	1.00	0.23	0.23	0.23	0.23	0.23	0.23
Sat Flow, veh/h	1725	4960	122	1725	5028	65	644	425	1494	188	277	80
Grp Volume(v), veh/h	7	1216	659	33	1851	1016	181	0	171	109	0	0
Grp Sat Flow(s),veh/h/ln	1725	1648	1786	1725	1648	1797	1070	0	1494	544	0	0
Q Serve(g_s), s	0.8	0.0	0.0	3.6	0.0	0.0	0.0	0.0	18.9	10.9	0.0	0.0
Cycle Q Clear(g_c), s	0.8	0.0	0.0	3.6	0.0	0.0	30.6	0.0	18.9	41.5	0.0	0.0
Prop In Lane	1.00		0.07	1.00		0.04	0.60		1.00	0.43		0.15
Lane Grp Cap(c), veh/h	11	2197	1190	45	2262	1233	278	0	346	153	0	0
V/C Ratio(X)	0.62	0.55	0.55	0.73	0.82	0.82	0.65	0.00	0.49	0.71	0.00	0.00
Avail Cap(c_a), veh/h	83	2197	1190	110	2262	1233	492	0	558	356	0	0
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.84	0.84	0.84	0.49	0.49	0.49	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	93.5	0.0	0.0	89.4	0.0	0.0	67.9	0.0	63.4	79.1	0.0	0.0
Incr Delay (d2), s/veh	16.4	0.8	1.6	4.2	1.7	3.2	1.0	0.0	0.4	2.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.3	0.5	1.6	0.5	1.1	8.4	0.0	7.4	5.5	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	109.9	0.8	1.6	93.6	1.7	3.2	68.8	0.0	63.8	81.4	0.0	0.0
LnGrp LOS	F	A	A	F	A	A	E	A	E	F	A	A
Approach Vol, veh/h	1882			2900			352			109		
Approach Delay, s/veh	1.5			3.3			66.4			81.4		
Approach LOS	A			A			E			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.3	131.8		48.9	5.6	135.5		48.9				
Change Period (Y+Rc), s	4.4	5.1		4.9	4.4	* 5.1		4.9				
Max Green Setting (Gmax), s	10.6	92.6		70.9	9.1	* 96		70.9				
Max Q Clear Time (g_c+Ib), s	1.6	2.0		43.5	2.8	2.0		32.6				
Green Ext Time (p_c), s	0.0	31.4		0.4	0.0	75.6		1.1				

### Intersection Summary

HCM 6th Ctrl Delay	8.5
HCM 6th LOS	A

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 26: Marbury Ave/Westmore Rd & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↩ ↑↑↑			↩ ↑↑↑			↩ ↑			↩ ↑		
Traffic Volume (veh/h)	22	1684	21	108	2784	72	14	25	69	71	28	11
Future Volume (veh/h)	22	1684	21	108	2784	72	14	25	69	71	28	11
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.98	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1525	1811	1811	1870	1870	1796	1870	1870	1796
Adj Flow Rate, veh/h	27	2079	26	117	3026	78	16	29	79	75	29	12
Peak Hour Factor	0.81	0.81	0.81	0.92	0.92	0.92	0.87	0.87	0.87	0.95	0.95	0.95
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	34	3063	38	130	3362	86	26	36	337	33	8	342
Arrive On Green	0.04	1.00	1.00	0.18	1.00	1.00	0.23	0.23	0.23	0.23	0.23	0.23
Sat Flow, veh/h	1725	5031	63	1452	4954	126	0	158	1494	0	34	1514
Grp Volume(v), veh/h	27	1361	744	117	2003	1101	45	0	79	104	0	12
Grp Sat Flow(s),veh/h/ln	1725	1648	1798	1452	1648	1784	158	0	1494	34	0	1514
Q Serve(g_s), s	2.9	0.0	0.0	15.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	1.2
Cycle Q Clear(g_c), s	2.9	0.0	0.0	15.0	0.0	0.0	42.9	0.0	8.2	42.9	0.0	1.2
Prop In Lane	1.00		0.03	1.00		0.07	0.36		1.00	0.72		1.00
Lane Grp Cap(c), veh/h	34	2007	1095	130	2237	1211	61	0	337	40	0	342
V/C Ratio(X)	0.79	0.68	0.68	0.90	0.90	0.91	0.73	0.00	0.23	2.59	0.00	0.04
Avail Cap(c_a), veh/h	83	2007	1095	184	2237	1211	61	0	337	40	0	342
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.83	0.83	0.83	0.09	0.09	0.09	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	90.8	0.0	0.0	77.2	0.0	0.0	62.4	0.0	60.1	87.0	0.0	57.4
Incr Delay (d2), s/veh	11.8	1.6	2.8	3.4	0.6	1.3	32.3	0.0	0.1	780.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	0.4	0.9	5.2	0.2	0.4	2.3	0.0	3.2	10.7	0.0	0.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	102.6	1.6	2.8	80.6	0.6	1.3	94.8	0.0	60.3	867.0	0.0	57.4
LnGrp LOS	F	A	A	F	A	A	F	A	E	F	A	E
Approach Vol, veh/h	2132			3221			124			116		
Approach Delay, s/veh	3.3			3.8			72.8			783.3		
Approach LOS	A			A			E			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	120.8	120.8		47.8	8.2	134.0		47.8				
Change Period (Y+Rc), s	4.4	5.1		4.9	4.4	5.1		4.9				
Max Green Setting (Gmax), s	110.0	110.0		42.9	9.1	123.6		42.9				
Max Q Clear Time (g_c+17),s	2.0	2.0		44.9	4.9	2.0		44.9				
Green Ext Time (p_c), s	0.1	69.9		0.0	0.0	116.7		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 21.3

HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.













\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 27: Black Mountain Rd & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	225	1504	150	147	2210	108	190	232	97	505	675	504
Future Volume (veh/h)	225	1504	150	147	2210	108	190	232	97	505	675	504
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1525	1811	1811	1575	1870	1870	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	247	1653	165	167	2511	123	221	270	113	574	767	573
Peak Hour Factor	0.91	0.91	0.91	0.88	0.88	0.88	0.86	0.86	0.86	0.88	0.88	0.88
Percent Heavy Veh, %	6	6	6	2	2	2	3	3	3	3	3	3
Cap, veh/h	273	1854	678	199	1771	1069	255	381	167	1151	1326	580
Arrive On Green	0.19	0.75	0.75	0.02	0.11	0.11	0.07	0.11	0.11	0.56	0.63	0.63
Sat Flow, veh/h	2818	4944	1503	2910	5106	1549	3428	3526	1546	3428	3526	1542
Grp Volume(v), veh/h	247	1653	165	167	2511	123	221	270	113	574	767	573
Grp Sat Flow(s),veh/h/ln	1409	1648	1503	1455	1702	1549	1714	1763	1546	1714	1763	1542
Q Serve(g_s), s	16.3	47.9	5.9	10.9	65.9	2.5	12.1	14.1	11.5	19.4	24.1	69.2
Cycle Q Clear(g_c), s	16.3	47.9	5.9	10.9	65.9	2.5	12.1	14.1	11.5	19.4	24.1	69.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	273	1854	678	199	1771	1069	255	381	167	1151	1326	580
V/C Ratio(X)	0.91	0.89	0.24	0.84	1.42	0.12	0.87	0.71	0.68	0.50	0.58	0.99
Avail Cap(c_a), veh/h	297	1854	678	306	1771	1069	265	822	361	1151	1329	581
HCM Platoon Ratio	2.00	2.00	2.00	0.33	0.33	0.33	1.00	1.00	1.00	1.67	1.67	1.67
Upstream Filter(I)	0.78	0.78	0.78	0.68	0.68	0.68	0.95	0.95	0.95	0.59	0.59	0.59
Uniform Delay (d), s/veh	75.8	20.8	12.2	91.8	84.1	4.8	87.0	81.8	60.8	32.0	26.5	34.9
Incr Delay (d2), s/veh	22.5	5.6	0.7	4.9	190.3	0.1	22.0	1.7	3.3	0.1	0.3	25.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.2	11.8	1.9	4.4	61.7	1.1	6.2	6.5	4.7	7.2	8.7	25.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	98.3	26.4	12.8	96.7	274.4	4.9	109.0	83.6	64.1	32.1	26.8	60.5
LnGrp LOS	F	C	B	F	F	A	F	F	E	C	C	E
Approach Vol, veh/h	2065		2801				604		1914			
Approach Delay, s/veh	33.9		252.0				89.2		38.5			
Approach LOS	C		F				F		D			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	7.4	76.6	18.5	77.5	22.8	71.2	69.8	26.2				
Change Period (Y+Rc), s	4.4	5.3	4.4	6.0	4.4	* 5.3	6.0	* 5.7				
Max Green Setting (Gmax), s	20.0	63.6	14.7	71.6	20.0	* 64	42.3	* 44				
Max Q Clear Time (g_c+1.2), s	12.9	49.9	14.1	71.2	18.3	67.9	21.4	16.1				
Green Ext Time (p_c), s	0.2	12.3	0.0	0.3	0.1	0.0	1.1	1.6				

### Intersection Summary

HCM 6th Ctrl Delay 122.4

HCM 6th LOS F

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 28: Westview Pkwy & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	🚗 🚗 🚗 🚗			🚗 🚗 🚗 🚗			🚗 🚗		🚗 🚗		🚗 🚗	
Traffic Volume (veh/h)	126	1859	57	587	2291	294	65	122	318	818	362	193
Future Volume (veh/h)	126	1859	57	587	2291	294	65	122	318	818	362	193
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	1.00		0.95	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1575	1870	1870	1563	1856	1856	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	129	1897	58	611	2386	306	74	139	361	870	385	205
Peak Hour Factor	0.98	0.98	0.98	0.96	0.96	0.96	0.88	0.88	0.88	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	3	3	3	2	2	2	2	2	2
Cap, veh/h	159	3200	98	421	3250	1081	334	278	446	942	444	364
Arrive On Green	0.02	0.14	0.14	0.15	0.51	0.51	0.09	0.15	0.15	0.19	0.24	0.24
Sat Flow, veh/h	2910	7652	234	2887	6383	1544	3563	1870	3004	5023	1870	1533
Grp Volume(v), veh/h	129	1502	453	611	2386	306	74	139	361	870	385	205
Grp Sat Flow(s),veh/h/ln	1455	1515	1826	1444	1596	1544	1781	1870	1502	1674	1870	1533
Q Serve(g_s), s	8.4	44.2	44.3	27.7	55.7	14.3	3.7	13.0	22.1	32.3	37.6	19.3
Cycle Q Clear(g_c), s	8.4	44.2	44.3	27.7	55.7	14.3	3.7	13.0	22.1	32.3	37.6	19.3
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	159	2534	764	421	3250	1081	334	278	446	942	444	364
V/C Ratio(X)	0.81	0.59	0.59	1.45	0.73	0.28	0.22	0.50	0.81	0.92	0.87	0.56
Avail Cap(c_a), veh/h	179	2534	764	421	3250	1081	334	449	721	1087	738	605
HCM Platoon Ratio	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.61	0.61	0.61	0.10	0.10	0.10	1.00	1.00	1.00	0.54	0.54	0.54
Uniform Delay (d), s/veh	92.3	66.7	66.7	81.2	36.6	10.9	79.7	74.4	78.3	75.9	69.6	47.3
Incr Delay (d2), s/veh	12.4	0.6	2.1	204.6	0.2	0.1	0.1	2.6	6.4	6.6	5.0	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	18.6	18.3	22.4	22.3	21.8	4.9	1.7	6.4	8.9	14.5	18.5	7.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	104.7	67.3	68.8	285.8	36.7	11.0	79.8	77.0	84.7	82.5	74.6	48.5
LnGrp LOS	F	E	E	F	D	B	E	E	F	F	E	D
Approach Vol, veh/h	2084		3303				574			1460		
Approach Delay, s/veh	70.0		80.4				82.2			75.6		
Approach LOS	E		F				F			E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	32.1	84.3	23.1	50.4	14.8	101.6	40.0	33.5				
Change Period (Y+Rc), s	4.4	4.9	5.3	* 5.3	4.4	4.9	4.4	5.3				
Max Green Setting (Gmax), s	20.7	56.6	11.7	* 75	11.7	72.6	41.1	45.6				
Max Q Clear Time (g_c+20),s	20.7	46.3	5.7	39.6	10.4	57.7	34.3	24.1				
Green Ext Time (p_c), s	0.0	9.9	0.0	5.6	0.0	14.8	1.3	4.1				

### Intersection Summary

HCM 6th Ctrl Delay	76.7
HCM 6th LOS	E

### Notes

User approved volume balancing among the lanes for turning movement.








User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 29: Mira Mesa Blvd & I-15 SB Off-ramp

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	1408	1589	0	1849	858	0	0	0	283	0	1411
Future Volume (veh/h)	1	1408	1589	0	1849	858	0	0	0	283	0	1411
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1856	1856	1856	0	1856	1856				1870	0	1870
Adj Flow Rate, veh/h	1	1564	0	0	1946	903				295	0	1470
Peak Hour Factor	0.90	0.90	0.90	0.95	0.95	0.95				0.96	0.96	0.96
Percent Heavy Veh, %	3	3	3	0	3	3				2	0	2
Cap, veh/h	81	2454		0	2002	1257				1429	0	1282
Arrive On Green	0.05	0.48	0.00	0.00	0.40	0.40				0.41	0.00	0.41
Sat Flow, veh/h	1767	5066	2768	0	5233	1534				3456	0	2790
Grp Volume(v), veh/h	1	1564	0	0	1946	903				295	0	1470
Grp Sat Flow(s),veh/h/ln	1767	1689	1384	0	1689	1534				1728	0	1395
Q Serve(g_s), s	0.1	25.1	0.0	0.0	41.0	29.8				6.0	0.0	45.0
Cycle Q Clear(g_c), s	0.1	25.1	0.0	0.0	41.0	29.8				6.0	0.0	45.0
Prop In Lane	1.00		1.00	0.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	81	2454		0	2002	1257				1429	0	1282
V/C Ratio(X)	0.01	0.64		0.00	0.97	0.72				0.21	0.00	1.15
Avail Cap(c_a), veh/h	487	3618		0	2002	1257				1429	0	1282
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	49.5	20.9	0.0	0.0	32.3	4.8				20.5	0.0	29.4
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	14.0	1.7				0.0	0.0	75.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	9.4	0.0	0.0	18.6	25.1				2.4	0.0	43.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	49.6	21.0	0.0	0.0	46.3	6.6				20.5	0.0	105.0
LnGrp LOS	D	C		A	D	A				C	A	F
Approach Vol, veh/h	1565		A	2849			1765					
Approach Delay, s/veh	21.0			33.7			90.8					
Approach LOS	C			C			F					
Timer - Assigned Phs	2			4	5	6						
Phs Duration (G+Y+Rc), s	58.7			50.1	9.7	49.0						
Change Period (Y+Rc), s	6.0			5.1	* 4.7	6.0						
Max Green Setting (Gmax), s	77.7			45.0	* 30	43.0						
Max Q Clear Time (g_c+l1), s	27.1			47.0	2.1	43.0						
Green Ext Time (p_c), s	10.3			0.0	0.0	0.0						

## Intersection Summary

HCM 6th Ctrl Delay	46.8
HCM 6th LOS	D

## Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary 30: I-15 NB Off-ramp & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑	↑	↑	↑↑↑	↑	↑↑		↑↑			
Traffic Volume (veh/h)	0	826	874	1	1695	290	1009	0	414	0	0	0
Future Volume (veh/h)	0	826	874	1	1695	290	1009	0	414	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1856	1856	1856	1856	1856	1870	0	1870			
Adj Flow Rate, veh/h	0	908	960	1	1863	0	1201	0	493			
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.84	0.84	0.84			
Percent Heavy Veh, %	0	3	3	3	3	3	2	0	2			
Cap, veh/h	0	2336	1280	74	2746		1263	0	1136			
Arrive On Green	0.00	0.46	0.46	0.04	0.54	0.00	0.37	0.00	0.37			
Sat Flow, veh/h	0	5233	1530	1767	5066	1572	3456	0	2790			
Grp Volume(v), veh/h	0	908	960	1	1863	0	1201	0	493			
Grp Sat Flow(s),veh/h/ln	0	1689	1530	1767	1689	1572	1728	0	1395			
Q Serve(g_s), s	0.0	14.1	35.0	0.1	32.0	0.0	40.6	0.0	15.3			
Cycle Q Clear(g_c), s	0.0	14.1	35.0	0.1	32.0	0.0	40.6	0.0	15.3			
Prop In Lane	0.00		1.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	2336	1280	74	2746		1263	0	1136			
V/C Ratio(X)	0.00	0.39	0.75	0.01	0.68		0.95	0.00	0.43			
Avail Cap(c_a), veh/h	0	2336	1280	147	2746		1296	0	1162			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(l)	0.00	0.89	0.89	1.00	1.00	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	21.2	4.8	55.1	19.9	0.0	37.0	0.0	25.6			
Incr Delay (d2), s/veh	0.0	0.4	3.6	0.0	1.4	0.0	14.5	0.0	0.1			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	5.6	30.3	0.0	12.3	0.0	19.4	0.0	13.1			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	21.7	8.5	55.2	21.3	0.0	51.5	0.0	25.7			
LnGrp LOS	A	C	A	E	C		D	A	C			
Approach Vol, veh/h		1868			1864	A		1694				
Approach Delay, s/veh		14.9			21.3			44.0				
Approach LOS		B			C			D				
Timer - Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	7.7	61.3		49.0		71.0						
Change Period (Y+Rc), s	4.7	6.0		5.1		6.0						
Max Green Setting (Gmax), s	45.0	49.2		45.0		63.9						
Max Q Clear Time (g_c+I),s	17.0	37.0		42.6		34.0						
Green Ext Time (p_c), s	0.0	5.7		1.3		12.2						
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay			26.2									
HCM 6th LOS			C									
<b>Notes</b>												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												
Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.												

# HCM 6th Signalized Intersection Summary 31: Black Mountain Rd & Mercy Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↰	↱	↰	↱	↰	↱	↰	↱	↰	↱	↰
Traffic Volume (veh/h)	1	0	0	419	0	229	21	528	477	499	1610	0
Future Volume (veh/h)	1	0	0	419	0	229	21	528	477	499	1610	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1796	1870	1870	1870	1563	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	4	0	0	499	0	273	24	593	536	537	1731	0
Peak Hour Factor	0.25	0.25	0.25	0.84	0.84	0.84	0.89	0.89	0.89	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	36	0	31	673	0	594	31	1241	850	652	2639	819
Arrive On Green	0.02	0.00	0.00	0.19	0.00	0.19	0.02	0.35	0.35	0.19	0.52	0.00
Sat Flow, veh/h	1781	0	1522	3563	0	3145	1488	3526	1572	3428	5066	1572
Grp Volume(v), veh/h	4	0	0	499	0	273	24	593	536	537	1731	0
Grp Sat Flow(s),veh/h/ln	1781	0	1522	1781	0	1572	1488	1763	1572	1714	1689	1572
Q Serve(g_s), s	0.2	0.0	0.0	9.6	0.0	5.6	1.2	9.5	17.3	11.0	18.1	0.0
Cycle Q Clear(g_c), s	0.2	0.0	0.0	9.6	0.0	5.6	1.2	9.5	17.3	11.0	18.1	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	36	0	31	673	0	594	31	1241	850	652	2639	819
V/C Ratio(X)	0.11	0.00	0.00	0.74	0.00	0.46	0.76	0.48	0.63	0.82	0.66	0.00
Avail Cap(c_a), veh/h	978	0	836	2445	0	2159	613	2904	1592	1412	4193	1302
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	35.0	0.0	0.0	27.9	0.0	26.2	35.5	18.4	11.7	28.3	12.7	0.0
Incr Delay (d2), s/veh	0.5	0.0	0.0	0.6	0.0	0.2	13.2	0.3	0.8	1.0	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	0.0	3.7	0.0	1.9	0.5	3.4	7.8	4.1	5.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	35.5	0.0	0.0	28.5	0.0	26.4	48.7	18.7	12.4	29.3	13.0	0.0
LnGrp LOS	D	A	A	C	A	C	D	B	B	C	B	A
Approach Vol, veh/h	4			772			1153			2268		
Approach Delay, s/veh	35.5			27.8			16.4			16.9		
Approach LOS	D			C			B			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.9	31.7		5.5	5.5	44.1		17.8				
Change Period (Y+Rc), s	4.0	6.1		4.0	4.0	* 6.1		4.0				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	* 60		50.0				
Max Q Clear Time (g_c+1),s	19.3	19.3		2.2	3.2	20.1		11.6				
Green Ext Time (p_c), s	0.9	6.3		0.0	0.0	17.2		1.5				

## Intersection Summary

HCM 6th Ctrl Delay 18.8  
HCM 6th LOS B

## Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 32: Camino Santa Fe & Miramar Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰↱	↑↑↑	↱	↰↱	↑↑↑	↱	↰	↑		↰	↱	↰↱
Traffic Volume (veh/h)	626	1061	19	19	2278	98	15	7	8	61	2	691
Future Volume (veh/h)	626	1061	19	19	2278	98	15	7	8	61	2	691
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	1.00		0.97	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	1811	1811	1811	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	703	1192	21	20	2348	101	20	9	11	66	0	735
Peak Hour Factor	0.89	0.89	0.89	0.97	0.97	0.97	0.75	0.75	0.75	0.94	0.94	0.94
Percent Heavy Veh, %	7	7	7	6	6	6	2	2	2	2	2	2
Cap, veh/h	755	3597	1101	50	2577	787	60	25	31	287	0	974
Arrive On Green	0.23	0.73	0.73	0.02	0.69	0.69	0.03	0.03	0.03	0.08	0.00	0.08
Sat Flow, veh/h	3319	4904	1502	3346	4944	1511	1781	754	921	3563	0	3135
Grp Volume(v), veh/h	703	1192	21	20	2348	101	20	0	20	66	0	735
Grp Sat Flow(s),veh/h/ln	1659	1635	1502	1673	1648	1511	1781	0	1675	1781	0	1567
Q Serve(g_s), s	31.1	12.8	0.6	0.9	59.3	3.4	1.6	0.0	1.8	2.6	0.0	12.1
Cycle Q Clear(g_c), s	31.1	12.8	0.6	0.9	59.3	3.4	1.6	0.0	1.8	2.6	0.0	12.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.55	1.00		1.00
Lane Grp Cap(c), veh/h	755	3597	1101	50	2577	787	60	0	56	287	0	974
V/C Ratio(X)	0.93	0.33	0.02	0.40	0.91	0.13	0.34	0.00	0.36	0.23	0.00	0.75
Avail Cap(c_a), veh/h	896	3597	1101	212	2577	787	380	0	357	287	0	974
HCM Platoon Ratio	1.00	1.00	1.00	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.57	0.57	0.57	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	56.8	7.0	5.4	72.8	20.1	11.5	70.9	0.0	70.9	64.6	0.0	46.8
Incr Delay (d2), s/veh	13.6	0.2	0.0	1.1	3.7	0.2	1.2	0.0	1.4	0.4	0.0	3.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	14.1	3.9	0.2	0.4	17.4	1.1	0.8	0.0	0.8	1.2	0.0	12.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	70.4	7.3	5.4	73.9	23.9	11.7	72.1	0.0	72.3	64.9	0.0	50.2
LnGrp LOS	E	A	A	E	C	B	E	A	E	E	A	D
Approach Vol, veh/h	1916			2469			40			801		
Approach Delay, s/veh	30.4			23.8			72.2			51.4		
Approach LOS	C			C			E			D		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.7	115.8		17.6	38.5	84.0		9.9				
Change Period (Y+Rc), s	4.4	5.8		5.5	4.4	* 5.8		4.9				
Max Green Setting (Gmax), s	9.5	75.8		12.1	40.5	* 45		32.0				
Max Q Clear Time (g_c+I_2), s	14.8			14.1	33.1	61.3		3.8				
Green Ext Time (p_c), s	0.0	21.1		0.0	1.0	0.0		0.1				

### Intersection Summary

HCM 6th Ctrl Delay 30.8  
HCM 6th LOS C

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 33: Miramar Rd & Commerce Ave

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	EBT ↑↑↑			EBT ↑↑↑				EBT ↑	EBT ↑		EBT ↑	EBT ↑
Traffic Volume (veh/h)	107	963	64	77	2357	116	76	16	41	24	15	50
Future Volume (veh/h)	107	963	64	77	2357	116	76	16	41	24	15	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1525	1811	1811	1811	1811	1811	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	114	1024	68	79	2430	120	119	25	64	28	17	58
Peak Hour Factor	0.94	0.94	0.94	0.97	0.97	0.97	0.64	0.64	0.64	0.86	0.86	0.86
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	150	2481	164	227	2960	145	44	2	355	39	15	369
Arrive On Green	0.11	1.00	1.00	0.26	1.00	1.00	0.23	0.23	0.23	0.23	0.23	0.23
Sat Flow, veh/h	2818	4728	313	1725	4825	236	0	9	1520	0	65	1583
Grp Volume(v), veh/h	114	713	379	79	1653	897	144	0	64	45	0	58
Grp Sat Flow(s), veh/h/ln	1409	1648	1745	1725	1648	1764	9	0	1520	65	0	1583
Q Serve(g_s), s	5.9	0.0	0.0	5.6	0.0	0.0	0.0	0.0	5.1	0.0	0.0	4.4
Cycle Q Clear(g_c), s	5.9	0.0	0.0	5.6	0.0	0.0	35.0	0.0	5.1	35.0	0.0	4.4
Prop In Lane	1.00		0.18	1.00		0.13	0.83		1.00	0.62		1.00
Lane Grp Cap(c), veh/h	150	1729	916	227	2022	1082	46	0	355	54	0	369
V/C Ratio(X)	0.76	0.41	0.41	0.35	0.82	0.83	3.13	0.00	0.18	0.83	0.00	0.16
Avail Cap(c_a), veh/h	453	1729	916	241	2022	1082	46	0	355	54	0	369
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.96	0.96	0.96	0.63	0.63	0.63	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	66.1	0.0	0.0	50.1	0.0	0.0	73.4	0.0	46.0	63.4	0.0	45.8
Incr Delay (d2), s/veh	2.9	0.7	1.3	0.2	2.4	4.8	103.9	0.0	0.2	67.1	0.0	0.3
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	2.1	0.2	0.3	2.3	0.7	1.4	14.7	0.0	2.0	2.8	0.0	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	69.0	0.7	1.3	50.3	2.4	4.8	108.3	0.0	46.3	130.5	0.0	46.0
LnGrp LOS	E	A	A	D	A	A	F	A	D	F	A	D
Approach Vol, veh/h	1206			2629			208			103		
Approach Delay, s/veh	7.3			4.7			767.0			83.0		
Approach LOS	A			A			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	35.4	84.7		39.9	12.4	97.7		39.9				
Change Period (Y+Rc), s	5.7	* 6		4.9	4.4	5.7		4.9				
Max Green Setting (Gmax), s	20.0	* 79		35.0	24.1	75.9		35.0				
Max Q Clear Time (g_c+I1), s	17.6	2.0		37.0	7.9	2.0		37.0				
Green Ext Time (p_c), s	0.1	17.9		0.0	0.1	66.7		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 45.6

HCM 6th LOS D

### Notes

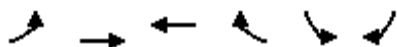
User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 34: Miramar Rd & Production Ave

Existing  
Timing Plan: AM Peak

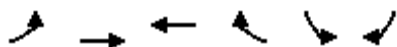


Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	77	963	2524	107	33	68
Future Volume (veh/h)	77	963	2524	107	33	68
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1811	1811	1796	1796	1870	1870
Adj Flow Rate, veh/h	81	1014	2602	110	45	92
Peak Hour Factor	0.95	0.95	0.97	0.97	0.74	0.74
Percent Heavy Veh, %	6	6	7	7	2	2
Cap, veh/h	100	4234	3772	1143	128	113
Arrive On Green	0.08	1.00	1.00	1.00	0.07	0.07
Sat Flow, veh/h	1725	5107	5065	1486	1781	1585
Grp Volume(v), veh/h	81	1014	2602	110	45	92
Grp Sat Flow(s), veh/h/ln	1725	1648	1635	1486	1781	1585
Q Serve(g_s), s	6.9	0.0	0.0	0.0	3.6	8.6
Cycle Q Clear(g_c), s	6.9	0.0	0.0	0.0	3.6	8.6
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	100	4234	3772	1143	128	113
V/C Ratio(X)	0.81	0.24	0.69	0.10	0.35	0.81
Avail Cap(c_a), veh/h	231	4234	3772	1143	416	370
HCM Platoon Ratio	1.33	1.33	2.00	2.00	1.00	1.00
Upstream Filter(I)	0.94	0.94	0.63	0.63	1.00	1.00
Uniform Delay (d), s/veh	68.4	0.0	0.0	0.0	66.3	68.6
Incr Delay (d2), s/veh	5.5	0.1	0.7	0.1	0.6	5.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	3.1	0.0	0.2	0.0	1.7	7.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	73.9	0.1	0.7	0.1	66.9	73.8
LnGrp LOS	E	A	A	A	E	E
Approach Vol, veh/h		1095	2712		137	
Approach Delay, s/veh		5.6	0.6		71.5	
Approach LOS		A	A		E	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		134.4		15.6	13.1	121.3
Change Period (Y+Rc), s		5.9		4.9	4.4	* 5.9
Max Green Setting (Gmax), s		104.2		35.0	20.1	* 80
Max Q Clear Time (g_c+l1), s		2.0		10.6	8.9	2.0
Green Ext Time (p_c), s		24.5		0.2	0.1	76.5
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			4.5			
HCM 6th LOS			A			
<b>Notes</b>						
User approved ignoring U-Turning movement.						
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.						

# HCM 6th Signalized Intersection Summary

## 35: Miramar Rd & Distribution Ave

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↰	↑↑↑	↑↑↑	↱	↰	↱
Traffic Volume (veh/h)	54	951	2571	93	36	75
Future Volume (veh/h)	54	951	2571	93	36	75
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1870	1870
Adj Flow Rate, veh/h	57	1012	2623	95	40	83
Peak Hour Factor	0.94	0.94	0.98	0.98	0.90	0.90
Percent Heavy Veh, %	7	7	7	7	2	2
Cap, veh/h	415	4248	2883	873	117	104
Arrive On Green	0.48	1.00	1.00	1.00	0.07	0.07
Sat Flow, veh/h	1711	5065	5065	1485	1781	1585
Grp Volume(v), veh/h	57	1012	2623	95	40	83
Grp Sat Flow(s), veh/h/ln	1711	1635	1635	1485	1781	1585
Q Serve(g_s), s	2.8	0.0	0.0	0.0	3.2	7.7
Cycle Q Clear(g_c), s	2.8	0.0	0.0	0.0	3.2	7.7
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	415	4248	2883	873	117	104
V/C Ratio(X)	0.14	0.24	0.91	0.11	0.34	0.80
Avail Cap(c_a), veh/h	415	4248	2883	873	380	338
HCM Platoon Ratio	2.00	2.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	0.98	0.98	0.66	0.66	1.00	1.00
Uniform Delay (d), s/veh	30.0	0.0	0.0	0.0	67.0	69.1
Incr Delay (d2), s/veh	0.1	0.1	3.8	0.2	0.6	5.2
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	1.1	0.1	1.0	0.0	1.5	6.8
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	30.0	0.1	3.8	0.2	67.6	74.3
LnGrp LOS	C	A	A	A	E	E
Approach Vol, veh/h		1069	2718		123	
Approach Delay, s/veh		1.7	3.7		72.1	
Approach LOS		A	A		E	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		135.8		14.2	42.2	93.6
Change Period (Y+Rc), s		5.8		4.4	5.8	* 5.4
Max Green Setting (Gmax), s		107.8		32.0	15.6	* 88
Max Q Clear Time (g_c+l1), s		2.0		9.7	4.8	2.0
Green Ext Time (p_c), s		17.1		0.2	0.0	77.6

### Intersection Summary

HCM 6th Ctrl Delay	5.3
HCM 6th LOS	A

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 36: Miramar Wy & Miramar Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	35	931	3	5	2643	38	0	0	0	24	0	19
Future Volume (veh/h)	35	931	3	5	2643	38	0	0	0	24	0	19
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	37	980	3	5	2697	39	0	0	0	31	0	25
Peak Hour Factor	0.95	0.95	0.95	0.98	0.98	0.98	0.25	0.25	0.25	0.77	0.77	0.77
Percent Heavy Veh, %	7	7	7	7	7	7	2	2	2	2	2	2
Cap, veh/h	47	2769	857	481	4125	59	48	86	73	72	3	31
Arrive On Green	0.05	1.00	1.00	0.56	1.00	1.00	0.00	0.00	0.00	0.05	0.00	0.05
Sat Flow, veh/h	1711	4904	1517	1711	4979	72	1386	1870	1585	762	72	672
Grp Volume(v), veh/h	37	980	3	5	1767	969	0	0	0	56	0	0
Grp Sat Flow(s),veh/h/ln	1711	1635	1517	1711	1635	1781	1386	1870	1585	1506	0	0
Q Serve(g_s), s	3.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
Cycle Q Clear(g_c), s	3.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.04	1.00		1.00	0.55		0.45
Lane Grp Cap(c), veh/h	47	2769	857	481	2709	1476	48	86	73	107	0	0
V/C Ratio(X)	0.79	0.35	0.00	0.01	0.65	0.66	0.00	0.00	0.00	0.52	0.00	0.00
Avail Cap(c_a), veh/h	195	2769	857	481	2709	1476	280	399	338	356	0	0
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.98	0.98	0.98	0.50	0.50	0.50	0.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	70.5	0.0	0.0	23.6	0.0	0.0	0.0	0.0	0.0	70.8	0.0	0.0
Incr Delay (d2), s/veh	10.3	0.3	0.0	0.0	0.6	1.2	0.0	0.0	0.0	1.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	0.1	0.0	0.1	0.2	0.5	0.0	0.0	0.0	2.2	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	80.8	0.3	0.0	23.6	0.6	1.2	0.0	0.0	0.0	72.3	0.0	0.0
LnGrp LOS	F	A	A	C	A	A	A	A	A	E	A	A
Approach Vol, veh/h	1020			2741			0			56		
Approach Delay, s/veh	3.3			0.9			0.0			72.3		
Approach LOS	A			A						E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	47.6	90.6		11.8	8.5	129.7		11.8				
Change Period (Y+Rc), s	5.4	* 5.9		4.9	4.4	5.4		4.9				
Max Green Setting (Gmax), s	10.0	* 85		32.0	17.1	86.2		32.0				
Max Q Clear Time (g_c+I), s	12.2	2.0		7.5	5.2	2.0		0.0				
Green Ext Time (p_c), s	0.0	17.3		0.2	0.0	79.1		0.0				

## Intersection Summary

HCM 6th Ctrl Delay	2.5
HCM 6th LOS	A

## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 37: Miramar Rd & Carroll Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	162	764	0	1	2573	606	0	0	0	140	0	108
Future Volume (veh/h)	162	764	0	1	2573	606	0	0	0	140	0	108
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98				1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	0	1870	1796	1796				1870	1870	1870
Adj Flow Rate, veh/h	165	780	0	1	2626	618				209	0	87
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98				0.83	0.83	0.83
Percent Heavy Veh, %	7	7	0	2	7	7				2	2	2
Cap, veh/h	186	4010	0	2	3483	1178				282	0	125
Arrive On Green	0.14	1.00	0.00	0.00	1.00	1.00				0.08	0.00	0.08
Sat Flow, veh/h	1711	5065	0	1781	4904	1489				3563	0	1573
Grp Volume(v), veh/h	165	780	0	1	2626	618				209	0	87
Grp Sat Flow(s),veh/h/ln	1711	1635	0	1781	1635	1489				1781	0	1573
Q Serve(g_s), s	14.2	0.0	0.0	0.1	0.0	0.0				8.6	0.0	8.1
Cycle Q Clear(g_c), s	14.2	0.0	0.0	0.1	0.0	0.0				8.6	0.0	8.1
Prop In Lane	1.00		0.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	186	4010	0	2	3483	1178				282	0	125
V/C Ratio(X)	0.89	0.19	0.00	0.52	0.75	0.52				0.74	0.00	0.70
Avail Cap(c_a), veh/h	241	4010	0	120	3483	1178				713	0	315
HCM Platoon Ratio	1.33	1.33	1.00	2.00	2.00	2.00				1.00	1.00	1.00
Upstream Filter(l)	0.98	0.98	0.00	0.52	0.52	0.52				0.99	0.00	0.99
Uniform Delay (d), s/veh	63.3	0.0	0.0	74.8	0.0	0.0				67.6	0.0	67.3
Incr Delay (d2), s/veh	22.2	0.1	0.0	35.5	0.8	0.9				1.4	0.0	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	0.0	0.0	0.1	0.3	0.3				4.0	0.0	7.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	85.5	0.1	0.0	110.3	0.8	0.9				69.0	0.0	69.9
LnGrp LOS	F	A	A	F	A	A				E	A	E
Approach Vol, veh/h	945			3245						296		
Approach Delay, s/veh	15.0			0.9						69.3		
Approach LOS	B			A						E		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	4.6			16.8	20.7	112.5						
Change Period (Y+Rc), s	4.4	* 6		4.9	4.4	6.0						
Max Green Setting (Gmax), s	95			30.0	21.1	83.6						
Max Q Clear Time (g_c+I_T), s	2.0			10.6	16.2	2.0						
Green Ext Time (p_c), s	0.0	10.7		0.5	0.1	73.7						

### Intersection Summary

HCM 6th Ctrl Delay	8.4
HCM 6th LOS	A

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

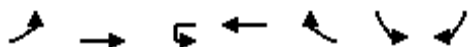
\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 38: Miramar Rd & Empire St

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations							
Traffic Volume (veh/h)	18	893	0	3274	27	11	8
Future Volume (veh/h)	18	893	0	3274	27	11	8
Initial Q (Qb), veh	0	0		0	0	0	0
Ped-Bike Adj(A_pbT)	1.00				0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00		1.00	1.00	1.00	1.00
Work Zone On Approach		No		No		No	
Adj Sat Flow, veh/h/ln	1796	1796		1796	1796	1900	1900
Adj Flow Rate, veh/h	19	960		3341	28	16	12
Peak Hour Factor	0.93	0.93		0.98	0.98	0.68	0.68
Percent Heavy Veh, %	7	7		7	7	0	0
Cap, veh/h	25	4479		4277	1299	20	15
Arrive On Green	0.03	1.00		1.00	1.00	0.02	0.02
Sat Flow, veh/h	1711	5065		5065	1490	951	713
Grp Volume(v), veh/h	19	960		3341	28	29	0
Grp Sat Flow(s),veh/h/ln	1711	1635		1635	1490	1724	0
Q Serve(g_s), s	1.7	0.0		0.0	0.0	2.5	0.0
Cycle Q Clear(g_c), s	1.7	0.0		0.0	0.0	2.5	0.0
Prop In Lane	1.00			1.00	0.55	0.41	
Lane Grp Cap(c), veh/h	25	4479		4277	1299	37	0
V/C Ratio(X)	0.76	0.21		0.78	0.02	0.79	0.00
Avail Cap(c_a), veh/h	240	4479		4277	1299	368	0
HCM Platoon Ratio	2.00	2.00		1.33	1.33	1.00	1.00
Upstream Filter(I)	0.98	0.98		0.11	0.11	1.00	0.00
Uniform Delay (d), s/veh	72.6	0.0		0.0	0.0	73.1	0.0
Incr Delay (d2), s/veh	15.8	0.1		0.2	0.0	13.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0		0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.0		0.1	1.2	1.3	0.0
Unsig. Movement Delay, s/veh							
LnGrp Delay(d),s/veh	88.3	0.1		0.2	0.0	86.3	0.0
LnGrp LOS	F	A		A	A	F	A
Approach Vol, veh/h		979		3369		29	
Approach Delay, s/veh		1.8		0.2		86.3	
Approach LOS		A		A		F	
Timer - Assigned Phs		2		4	5	6	
Phs Duration (G+Y+Rc), s		142.8		7.2	6.2	136.6	
Change Period (Y+Rc), s		* 5.8		4.0	4.0	5.8	
Max Green Setting (Gmax), s		* 95		32.0	21.0	83.2	
Max Q Clear Time (g_c+l1), s		2.0		4.5	3.7	2.0	
Green Ext Time (p_c), s		17.4		0.0	0.0	80.2	

### Intersection Summary

HCM 6th Ctrl Delay	1.1
HCM 6th LOS	A

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 39: Miramar Rd & Dowdy Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰	↑↑↑		↰	↑↑↑	↰				↰		↰
Traffic Volume (veh/h)	95	768	0	2	3229	328	0	0	0	107	0	114
Future Volume (veh/h)	95	768	0	2	3229	328	0	0	0	107	0	114
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	0	1870	1796	1796				1870	0	1870
Adj Flow Rate, veh/h	107	863	0	2	3399	345				124	0	133
Peak Hour Factor	0.89	0.89	0.89	0.95	0.95	0.95				0.86	0.86	0.86
Percent Heavy Veh, %	7	7	0	2	7	7				2	0	2
Cap, veh/h	126	2965	0	334	3578	1085				164	0	263
Arrive On Green	0.15	1.00	0.00	0.38	1.00	1.00				0.09	0.00	0.09
Sat Flow, veh/h	1711	5065	0	1781	4904	1488				1781	0	1585
Grp Volume(v), veh/h	107	863	0	2	3399	345				124	0	133
Grp Sat Flow(s),veh/h/ln	1711	1635	0	1781	1635	1488				1781	0	1585
Q Serve(g_s), s	9.1	0.0	0.0	0.1	0.0	0.0				10.2	0.0	11.5
Cycle Q Clear(g_c), s	9.1	0.0	0.0	0.1	0.0	0.0				10.2	0.0	11.5
Prop In Lane	1.00		0.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	126	2965	0	334	3578	1085				164	0	263
V/C Ratio(X)	0.85	0.29	0.00	0.01	0.95	0.32				0.75	0.00	0.51
Avail Cap(c_a), veh/h	138	2965	0	334	3578	1085				404	0	476
HCM Platoon Ratio	2.00	2.00	1.00	2.00	2.00	2.00				1.00	1.00	1.00
Upstream Filter(I)	0.98	0.98	0.00	0.15	0.15	0.15				1.00	0.00	1.00
Uniform Delay (d), s/veh	63.2	0.0	0.0	38.1	0.0	0.0				66.4	0.0	57.0
Incr Delay (d2), s/veh	31.8	0.2	0.0	0.0	1.4	0.1				2.6	0.0	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.7	0.1	0.0	0.0	0.4	0.0				4.8	0.0	10.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	95.0	0.2	0.0	38.1	1.4	0.1				69.1	0.0	57.5
LnGrp LOS	F	A	A	D	A	A				E	A	E
Approach Vol, veh/h	970			3746						257		
Approach Delay, s/veh	10.7			1.3						63.1		
Approach LOS	B			A						E		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	34.6	96.7		18.7	15.4	115.8						
Change Period (Y+Rc), s	6.4	* 6		4.9	4.4	6.4						
Max Green Setting (Gmax), s	91	* 91		34.0	12.1	88.2						
Max Q Clear Time (g_c+I),s	12.0	2.0		13.5	11.1	2.0						
Green Ext Time (p_c), s	0.0	9.0		0.4	0.0	82.9						

## Intersection Summary

HCM 6th Ctrl Delay 6.3  
HCM 6th LOS A

## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 40: Miramar Rd & Cabot Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	56	836	0	6	3465	139	0	0	0	80	0	69
Future Volume (veh/h)	56	836	0	6	3465	139	0	0	0	80	0	69
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	0	1870	1796	1796				1870	1870	1870
Adj Flow Rate, veh/h	63	939	0	6	3536	142				88	9	81
Peak Hour Factor	0.89	0.89	0.89	0.98	0.98	0.98				0.85	0.85	0.85
Percent Heavy Veh, %	7	7	0	2	7	7				2	2	2
Cap, veh/h	79	4027	0	11	3830	1163				126	11	103
Arrive On Green	0.09	1.00	0.00	0.01	0.78	0.78				0.07	0.07	0.07
Sat Flow, veh/h	1711	5065	0	1781	4904	1489				1781	161	1449
Grp Volume(v), veh/h	63	939	0	6	3536	142				88	0	90
Grp Sat Flow(s),veh/h/ln	1711	1635	0	1781	1635	1489				1781	0	1610
Q Serve(g_s), s	5.4	0.0	0.0	0.5	84.9	3.5				7.2	0.0	8.3
Cycle Q Clear(g_c), s	5.4	0.0	0.0	0.5	84.9	3.5				7.2	0.0	8.3
Prop In Lane	1.00		0.00	1.00		1.00				1.00		0.90
Lane Grp Cap(c), veh/h	79	4027	0	11	3830	1163				126	0	114
V/C Ratio(X)	0.80	0.23	0.00	0.57	0.92	0.12				0.70	0.00	0.79
Avail Cap(c_a), veh/h	149	4027	0	156	3830	1163				368	0	333
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.97	0.97	0.00	0.09	0.09	0.09				1.00	0.00	1.00
Uniform Delay (d), s/veh	67.4	0.0	0.0	74.4	12.9	4.0				68.1	0.0	68.6
Incr Delay (d2), s/veh	6.7	0.1	0.0	1.6	0.5	0.0				2.6	0.0	4.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.4	0.0	0.0	0.2	22.8	0.8				3.4	0.0	3.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	74.1	0.1	0.0	76.0	13.4	4.0				70.7	0.0	73.1
LnGrp LOS	E	A	A	E	B	A				E	A	E
Approach Vol, veh/h	1002			3684						178		
Approach Delay, s/veh	4.8			13.1						71.9		
Approach LOS	A			B						E		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	5.3	129.2		15.5	11.3	123.2						
Change Period (Y+Rc), s	4.4	6.0		4.9	4.4	6.0						
Max Green Setting (Gmax), s	10.6	90.6		31.0	13.1	90.6						
Max Q Clear Time (g_c+I),s	12.5	2.0		10.3	7.4	86.9						
Green Ext Time (p_c), s	0.0	13.0		0.4	0.0	3.7						

### Intersection Summary

HCM 6th Ctrl Delay 13.6  
HCM 6th LOS B

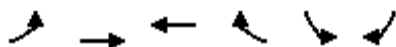
### Notes

User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 41: Miramar Rd & Camino Ruiz

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↖↗	↑↑↑	↑↑↑	↖↗	↖↗	↖↗
Traffic Volume (veh/h)	128	614	3099	219	641	541
Future Volume (veh/h)	128	614	3099	219	641	541
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.97	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1841	1841
Adj Flow Rate, veh/h	158	758	3297	233	668	564
Peak Hour Factor	0.81	0.81	0.94	0.94	0.96	0.96
Percent Heavy Veh, %	7	7	7	7	4	4
Cap, veh/h	204	3508	3366	926	719	749
Arrive On Green	0.06	0.72	1.00	1.00	0.21	0.21
Sat Flow, veh/h	3319	5065	5389	1483	3401	2745
Grp Volume(v), veh/h	158	758	3297	233	668	564
Grp Sat Flow(s),veh/h/ln	1659	1635	1796	1483	1700	1373
Q Serve(g_s), s	7.0	7.8	0.0	0.0	28.9	28.2
Cycle Q Clear(g_c), s	7.0	7.8	0.0	0.0	28.9	28.2
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	204	3508	3366	926	719	749
V/C Ratio(X)	0.78	0.22	0.98	0.25	0.93	0.75
Avail Cap(c_a), veh/h	465	3508	3366	926	748	773
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	0.98	0.98	0.12	0.12	0.84	0.84
Uniform Delay (d), s/veh	69.4	7.2	0.0	0.0	58.0	49.9
Incr Delay (d2), s/veh	2.3	0.1	2.4	0.1	15.0	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	2.5	0.8	0.0	13.6	20.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	71.7	7.3	2.4	0.1	73.1	52.9
LnGrp LOS	E	A	A	A	E	D
Approach Vol, veh/h		916	3530		1232	
Approach Delay, s/veh		18.4	2.3		63.9	
Approach LOS		B	A		E	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		113.3		36.7	13.6	99.7
Change Period (Y+Rc), s		6.0		5.0	4.4	* 6
Max Green Setting (Gmax), s		106.0		33.0	21.0	* 81
Max Q Clear Time (g_c+l1), s		9.8		30.9	9.0	2.0
Green Ext Time (p_c), s		7.6		0.8	0.2	76.7
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			18.3			
HCM 6th LOS			B			

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 42: Mitscher Wy/Clayton Dr & Miramar Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↑↑	↗	↔	↑↑↑	↘	↔	↑	↗	↔	↘	↗
Traffic Volume (veh/h)	18	983	149	233	3132	24	167	20	125	34	71	60
Future Volume (veh/h)	18	983	149	233	3132	24	167	20	125	34	71	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	19	1057	160	238	3196	24	240	0	101	40	83	70
Peak Hour Factor	0.93	0.93	0.93	0.98	0.98	0.98	0.89	0.89	0.89	0.86	0.86	0.86
Percent Heavy Veh, %	7	7	7	7	7	7	2	2	2	2	2	2
Cap, veh/h	25	2040	623	895	3396	25	347	0	150	48	99	121
Arrive On Green	0.03	0.83	0.83	0.54	1.00	1.00	0.10	0.00	0.10	0.08	0.08	0.08
Sat Flow, veh/h	1711	4904	1498	3319	5020	38	3563	0	1534	599	1242	1527
Grp Volume(v), veh/h	19	1057	160	238	2078	1142	240	0	101	123	0	70
Grp Sat Flow(s),veh/h/ln	1711	1635	1498	1659	1635	1788	1781	0	1534	1840	0	1527
Q Serve(g_s), s	1.7	9.5	3.4	5.8	0.0	0.0	9.8	0.0	9.5	9.9	0.0	6.6
Cycle Q Clear(g_c), s	1.7	9.5	3.4	5.8	0.0	0.0	9.8	0.0	9.5	9.9	0.0	6.6
Prop In Lane	1.00		1.00	1.00		0.02	1.00		1.00	0.33		1.00
Lane Grp Cap(c), veh/h	25	2040	623	895	2212	1210	347	0	150	146	0	121
V/C Ratio(X)	0.76	0.52	0.26	0.27	0.94	0.94	0.69	0.00	0.68	0.84	0.00	0.58
Avail Cap(c_a), veh/h	104	2040	623	895	2212	1210	736	0	317	152	0	126
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.81	0.81	0.81	0.35	0.35	0.35	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	72.6	8.2	7.6	26.6	0.0	0.0	65.5	0.0	65.4	68.1	0.0	66.6
Incr Delay (d2), s/veh	13.3	0.8	0.8	0.0	3.9	6.9	0.9	0.0	2.0	30.3	0.0	4.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.8	2.4	1.1	2.1	1.2	2.3	4.5	0.0	3.9	5.9	0.0	2.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	85.9	8.9	8.5	26.6	3.9	6.9	66.4	0.0	67.4	98.4	0.0	70.8
LnGrp LOS	F	A	A	C	A	A	E	A	E	F	A	E
Approach Vol, veh/h	1236			3458			341			193		
Approach Delay, s/veh	10.0			6.4			66.7			88.4		
Approach LOS	B			A			E			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	46.1	67.6		16.8	6.6	107.1		19.5				
Change Period (Y+Rc), s	5.6	* 5.2		4.9	4.4	5.6		4.9				
Max Green Setting (G_max), s	24.8	* 62		12.4	9.1	77.7		31.0				
Max Q Clear Time (g_c+I), s	17.8	11.5		11.9	3.7	2.0		11.8				
Green Ext Time (p_c), s	0.4	28.6		0.0	0.0	74.8		0.6				

### Intersection Summary

HCM 6th Ctrl Delay 14.2

HCM 6th LOS B

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 43: Miramar Rd & Black Mountain Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations	LT	TH	LT	TH	LT	LT	LT
Traffic Volume (veh/h)	81	1136	0	3113	195	121	244
Future Volume (veh/h)	81	1136	0	3113	195	121	244
Initial Q (Qb), veh	0	0		0	0	0	0
Ped-Bike Adj(A_pbT)	1.00				0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00		1.00	1.00	1.00	1.00
Work Zone On Approach		No		No		No	
Adj Sat Flow, veh/h/ln	1796	1796		1796	1796	1856	1856
Adj Flow Rate, veh/h	88	1235		3277	205	153	309
Peak Hour Factor	0.92	0.92		0.95	0.95	0.79	0.79
Percent Heavy Veh, %	7	7		7	7	3	3
Cap, veh/h	129	3895		3574	1082	470	379
Arrive On Green	0.08	1.00		1.00	1.00	0.14	0.14
Sat Flow, veh/h	3319	5065		5065	1485	3428	2768
Grp Volume(v), veh/h	88	1235		3277	205	153	309
Grp Sat Flow(s),veh/h/ln	1659	1635		1635	1485	1714	1384
Q Serve(g_s), s	3.9	0.0		0.0	0.0	6.0	16.3
Cycle Q Clear(g_c), s	3.9	0.0		0.0	0.0	6.0	16.3
Prop In Lane	1.00			1.00	1.00	1.00	1.00
Lane Grp Cap(c), veh/h	129	3895		3574	1082	470	379
V/C Ratio(X)	0.68	0.32		0.92	0.19	0.33	0.81
Avail Cap(c_a), veh/h	454	3895		3574	1082	731	590
HCM Platoon Ratio	2.00	2.00		2.00	2.00	1.00	1.00
Upstream Filter(I)	0.91	0.91		0.09	0.09	0.52	0.52
Uniform Delay (d), s/veh	68.3	0.0		0.0	0.0	58.5	62.9
Incr Delay (d2), s/veh	2.2	0.2		0.5	0.0	0.3	3.5
Initial Q Delay(d3),s/veh	0.0	0.0		0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.1		0.2	0.0	2.7	12.2
Unsig. Movement Delay, s/veh							
LnGrp Delay(d),s/veh	70.5	0.2		0.5	0.0	58.8	66.4
LnGrp LOS	E	A		A	A	E	E
Approach Vol, veh/h		1323		3482		462	
Approach Delay, s/veh		4.9		0.5		63.9	
Approach LOS		A		A		E	
Timer - Assigned Phs		2		4	5	6	
Phs Duration (G+Y+Rc), s		124.9		25.1	9.8	115.1	
Change Period (Y+Rc), s		* 5.8		4.5	4.0	5.8	
Max Green Setting (Gmax), s		* 90		32.0	20.5	83.2	
Max Q Clear Time (g_c+l1), s		2.0		18.3	5.9	2.0	
Green Ext Time (p_c), s		29.3		2.3	0.1	79.4	

### Intersection Summary

HCM 6th Ctrl Delay	7.1
HCM 6th LOS	A

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 44: Kearny Villa Rd & Miramar Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↑↑	↗	↔	↑↑↑	↗	↔	↑↑	↗	↔	↑↑	↗
Traffic Volume (veh/h)	25	843	373	14	2266	87	955	299	10	132	243	129
Future Volume (veh/h)	25	843	373	14	2266	87	955	299	10	132	243	129
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.98	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1724	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	26	887	393	15	2385	92	1005	315	11	157	289	154
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.84	0.84	0.84
Percent Heavy Veh, %	7	7	7	7	7	7	2	2	2	2	2	2
Cap, veh/h	32	2413	1047	21	2382	699	1085	380	315	516	335	173
Arrive On Green	0.04	0.98	0.98	0.02	0.97	0.97	0.20	0.20	0.20	0.15	0.15	0.15
Sat Flow, veh/h	1711	4904	1501	1711	4904	1440	5344	1870	1553	3456	2243	1158
Grp Volume(v), veh/h	26	887	393	15	2385	92	1005	315	11	157	227	216
Grp Sat Flow(s),veh/h/ln	1711	1635	1501	1711	1635	1440	1781	1870	1553	1728	1777	1624
Q Serve(g_s), s	2.3	0.7	0.8	1.3	72.9	0.3	27.7	24.2	0.9	6.1	18.7	19.6
Cycle Q Clear(g_c), s	2.3	0.7	0.8	1.3	72.9	0.3	27.7	24.2	0.9	6.1	18.7	19.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.71
Lane Grp Cap(c), veh/h	32	2413	1047	21	2382	699	1085	380	315	516	265	242
V/C Ratio(X)	0.81	0.37	0.38	0.71	1.00	0.13	0.93	0.83	0.03	0.30	0.86	0.89
Avail Cap(c_a), veh/h	88	2413	1047	88	2382	699	1112	389	323	576	296	271
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.96	0.96	0.96	0.70	0.70	0.70	1.00	1.00	1.00	0.73	0.73	0.73
Uniform Delay (d), s/veh	71.9	0.6	0.2	72.9	2.1	1.1	58.7	57.3	48.0	56.9	62.2	62.6
Incr Delay (d2), s/veh	15.4	0.4	1.0	10.7	15.8	0.3	12.6	13.1	0.0	0.1	14.3	20.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.3	0.5	0.6	4.3	0.1	13.5	12.6	0.3	2.7	9.4	9.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	87.3	1.0	1.2	83.5	17.9	1.4	71.3	70.4	48.0	57.0	76.5	82.9
LnGrp LOS	F	A	A	F	F	A	E	E	D	E	E	F
Approach Vol, veh/h	1306			2492			1331			600		
Approach Delay, s/veh	2.8			17.7			70.9			73.7		
Approach LOS	A			B			E			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.3	79.6		27.7	7.2	78.7		36.4				
Change Period (Y+Rc), s	4.4	* 5.8		5.3	4.4	5.8		6.0				
Max Green Setting (Gmax), s	7.5	* 65		25.0	7.7	64.6		31.2				
Max Q Clear Time (g_c+I_T), s	2.8			21.6	4.3	74.9		29.7				
Green Ext Time (p_c), s	0.0	11.0		0.8	0.0	0.0		0.8				

### Intersection Summary

HCM 6th Ctrl Delay	32.5
HCM 6th LOS	C

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 45: Miramar Rd/Pomerado Rd & I-15 SB Ramps

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	470	555	0	945	846	0	0	0	121	0	1371
Future Volume (veh/h)	1	470	555	0	945	846	0	0	0	121	0	1371
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	0	1796	1796				1870	0	1870
Adj Flow Rate, veh/h	1	528	0	0	995	0				138	0	1558
Peak Hour Factor	0.89	0.89	0.89	0.95	0.95	0.95				0.88	0.88	0.88
Percent Heavy Veh, %	7	7	7	0	7	7				2	0	2
Cap, veh/h	57	2705		0	2485					461	0	465
Arrive On Green	0.06	1.00	0.00	0.00	0.73	0.00				0.13	0.00	0.13
Sat Flow, veh/h	1711	3413	1522	0	3503	2679				3456	0	2790
Grp Volume(v), veh/h	1	528	0	0	995	0				138	0	1558
Grp Sat Flow(s),veh/h/ln	1711	1706	1522	0	1706	1340				1728	0	1395
Q Serve(g_s), s	0.1	0.0	0.0	0.0	16.8	0.0				5.4	0.0	20.0
Cycle Q Clear(g_c), s	0.1	0.0	0.0	0.0	16.8	0.0				5.4	0.0	20.0
Prop In Lane	1.00		1.00	0.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	57	2705		0	2485					461	0	465
V/C Ratio(X)	0.02	0.20		0.00	0.40					0.30	0.00	3.35
Avail Cap(c_a), veh/h	627	2705		0	2485					461	0	465
HCM Platoon Ratio	1.67	1.67	1.67	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.96	0.96	0.00	0.00	0.83	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	68.5	0.0	0.0	0.0	7.8	0.0				58.7	0.0	62.5
Incr Delay (d2), s/veh	0.0	0.2	0.0	0.0	0.4	0.0				0.1	0.0	1063.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.1	0.0	0.0	5.6	0.0				2.4	0.0	86.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	68.5	0.2	0.0	0.0	8.2	0.0				58.8	0.0	1125.9
LnGrp LOS	E	A		A	A					E	A	F
Approach Vol, veh/h	529		A	995		A				1696		
Approach Delay, s/veh	0.3			8.2						1039.1		
Approach LOS	A			A						F		
Timer - Assigned Phs	2			4	5	6						
Phs Duration (G+Y+Rc), s	124.9			25.1	9.7	115.2						
Change Period (Y+Rc), s	6.0			5.1	* 4.7	6.0						
Max Green Setting (Gmax), s	118.9			20.0	* 55	59.2						
Max Q Clear Time (g_c+l1), s	2.0			22.0	2.1	18.8						
Green Ext Time (p_c), s	2.3			0.0	0.0	4.7						

### Intersection Summary

HCM 6th Ctrl Delay 549.9  
HCM 6th LOS F

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary 46: I-15 NB Ramps & Pomerado Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑	↑	↑	↑↑↑	↑	↑↑		↑↑			
Traffic Volume (veh/h)	0	267	328	1	1098	169	681	0	540	0	0	0
Future Volume (veh/h)	0	267	328	1	1098	169	681	0	540	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1796	1796	1796	1796	1796	1870	0	1870			
Adj Flow Rate, veh/h	0	326	0	1	1144	0	740	0	587			
Peak Hour Factor	0.82	0.82	0.82	0.96	0.96	0.96	0.92	0.92	0.92			
Percent Heavy Veh, %	0	7	7	7	7	7	2	0	2			
Cap, veh/h	0	1005		157	3083		898	0	982			
Arrive On Green	0.00	0.29	0.00	0.09	0.50	0.00	0.26	0.00	0.26			
Sat Flow, veh/h	0	3503	1522	1711	6179	1522	3456	0	2790			
Grp Volume(v), veh/h	0	326	0	1	1144	0	740	0	587			
Grp Sat Flow(s),veh/h/ln	0	1706	1522	1711	1545	1522	1728	0	1395			
Q Serve(g_s), s	0.0	4.0	0.0	0.0	6.2	0.0	11.0	0.0	9.4			
Cycle Q Clear(g_c), s	0.0	4.0	0.0	0.0	6.2	0.0	11.0	0.0	9.4			
Prop In Lane	0.00		1.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	1005		157	3083		898	0	982			
V/C Ratio(X)	0.00	0.32		0.01	0.37		0.82	0.00	0.60			
Avail Cap(c_a), veh/h	0	2828		1102	9796		3818	0	3339			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(l)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	14.9	0.0	22.4	8.4	0.0	18.9	0.0	14.4			
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	0.0	0.0	0.7	0.0	0.2			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	1.3	0.0	0.0	1.4	0.0	4.0	0.0	2.6			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	15.0	0.0	22.4	8.4	0.0	19.7	0.0	14.7			
LnGrp LOS	A	B		C	A		B	A	B			
Approach Vol, veh/h	326		A	1145		A	1327					
Approach Delay, s/veh	15.0			8.4			17.5					
Approach LOS	B			A			B					
Timer - Assigned Phs	1	2					6	8				
Phs Duration (G+Y+Rc), s	1.1	23.0					34.1	20.2				
Change Period (Y+Rc), s	6.1	7.0					7.0	6.1				
Max Green Setting (Gmax), s	30.0	45.0					86.1	60.0				
Max Q Clear Time (g_c+I), s	1.0	6.0					8.2	13.0				
Green Ext Time (p_c), s	0.0	1.3					5.7	1.2				

## Intersection Summary

HCM 6th Ctrl Delay 13.5  
HCM 6th LOS B

## Notes

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary

## 47: Camino Santa Fe & Carroll Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	142	156	47	276	49	279	289	115	87	621	291
Future Volume (veh/h)	65	142	156	47	276	49	279	289	115	87	621	291
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	71	156	171	53	310	55	303	314	125	90	640	300
Peak Hour Factor	0.91	0.91	0.91	0.89	0.89	0.89	0.92	0.92	0.92	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	222	234	495	361	379	316	339	1404	934	116	958	625
Arrive On Green	0.12	0.12	0.12	0.20	0.20	0.20	0.19	0.40	0.40	0.06	0.27	0.27
Sat Flow, veh/h	1781	1870	1549	1781	1870	1556	1781	3554	1550	1781	3554	1582
Grp Volume(v), veh/h	71	156	171	53	310	55	303	314	125	90	640	300
Grp Sat Flow(s),veh/h/ln	1781	1870	1549	1781	1870	1556	1781	1777	1550	1781	1777	1582
Q Serve(g_s), s	3.6	7.8	8.4	2.4	15.6	2.9	16.3	5.8	3.5	4.9	15.8	14.0
Cycle Q Clear(g_c), s	3.6	7.8	8.4	2.4	15.6	2.9	16.3	5.8	3.5	4.9	15.8	14.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	222	234	495	361	379	316	339	1404	934	116	958	625
V/C Ratio(X)	0.32	0.67	0.35	0.15	0.82	0.17	0.89	0.22	0.13	0.78	0.67	0.48
Avail Cap(c_a), veh/h	723	760	931	741	779	648	1085	3247	1738	543	2165	1162
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	39.3	41.2	26.0	32.3	37.5	32.4	38.9	19.8	8.7	45.3	32.0	22.3
Incr Delay (d2), s/veh	0.4	1.8	0.2	0.2	4.2	0.2	3.3	0.1	0.1	4.2	1.1	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	3.7	3.0	1.0	7.4	1.1	7.2	2.3	1.8	2.2	6.6	6.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	39.7	42.9	26.2	32.4	41.7	32.7	42.2	19.9	8.7	49.5	33.1	23.1
LnGrp LOS	D	D	C	C	D	C	D	B	A	D	C	C
Approach Vol, veh/h	398			418			742			1030		
Approach Delay, s/veh	35.2			39.3			27.1			31.6		
Approach LOS	D			D			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.8	44.6		18.2	23.2	32.3		24.9				
Change Period (Y+Rc), s	4.4	5.7		5.9	4.4	5.7		4.9				
Max Green Setting (Gmax), s	30.0	90.0		40.0	60.0	60.0		41.0				
Max Q Clear Time (g_c+I), s	10.8	7.8		10.4	18.3	17.8		17.6				
Green Ext Time (p_c), s	0.1	3.2		1.0	0.4	8.8		2.0				

### Intersection Summary

HCM 6th Ctrl Delay 32.1  
HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 48: Camino Santa Fe & Flanders Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↗↘	↗		↗↘	↗	↘↗	↗↘↗	↗	↘	↗↘↗	↗
Traffic Volume (veh/h)	14	20	71	381	412	114	65	115	21	51	721	142
Future Volume (veh/h)	14	20	71	381	412	114	65	115	21	51	721	142
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1796	1870	1870	1796	1870	1870	1870	1575	1870	1870
Adj Flow Rate, veh/h	14	21	73	401	434	120	72	128	23	55	775	153
Peak Hour Factor	0.97	0.97	0.97	0.95	0.95	0.95	0.90	0.90	0.90	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	70	273	142	647	645	541	94	1288	397	66	1243	383
Arrive On Green	0.09	0.09	0.09	0.36	0.36	0.36	0.05	0.25	0.25	0.04	0.24	0.24
Sat Flow, veh/h	733	2877	1498	1781	1777	1491	1781	5106	1574	1500	5106	1573
Grp Volume(v), veh/h	35	0	73	401	434	120	72	128	23	55	775	153
Grp Sat Flow(s),veh/h/ln	1834	1777	1498	1781	1777	1491	1781	1702	1574	1500	1702	1573
Q Serve(g_s), s	1.5	0.0	3.9	15.5	17.3	4.7	3.3	1.6	0.9	3.1	11.4	6.8
Cycle Q Clear(g_c), s	1.5	0.0	3.9	15.5	17.3	4.7	3.3	1.6	0.9	3.1	11.4	6.8
Prop In Lane	0.40		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	174	169	142	647	645	541	94	1288	397	66	1243	383
V/C Ratio(X)	0.20	0.00	0.51	0.62	0.67	0.22	0.77	0.10	0.06	0.83	0.62	0.40
Avail Cap(c_a), veh/h	875	848	714	850	848	711	637	3653	1126	537	3653	1126
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	35.0	0.0	36.1	21.9	22.5	18.5	39.2	24.0	23.8	39.8	28.3	26.6
Incr Delay (d2), s/veh	1.5	0.0	7.7	2.7	3.4	0.6	7.8	0.0	0.1	9.8	0.6	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.0	1.7	6.4	7.2	1.6	1.6	0.6	0.3	1.2	4.3	2.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	36.6	0.0	43.8	24.6	25.9	19.1	47.0	24.1	23.9	49.6	28.9	27.3
LnGrp LOS	D	A	D	C	C	B	D	C	C	D	C	C
Approach Vol, veh/h	108			955			223			983		
Approach Delay, s/veh	41.4			24.5			31.5			29.8		
Approach LOS	D			C			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	27.5			12.9	8.8	26.8		35.4				
Change Period (Y+Rc), s	4.4	* 6.4		4.9	4.4	6.4		4.9				
Max Green Setting (Gmax), s	30.0	* 60		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+Ib), s	3.6			5.9	5.3	13.4		19.3				
Green Ext Time (p_c), s	0.0	1.0		1.0	0.1	6.9		11.0				

### Intersection Summary

HCM 6th Ctrl Delay 28.3

HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 49: Camino Ruiz & Carroll Canyon Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	LT	RT	LT	TT	TT	RT
Traffic Volume (veh/h)	12	53	76	305	1342	33
Future Volume (veh/h)	12	53	76	305	1342	33
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1885	1885	1841	1841	1841	1767
Adj Flow Rate, veh/h	16	72	87	351	1491	37
Peak Hour Factor	0.74	0.74	0.87	0.87	0.90	0.90
Percent Heavy Veh, %	1	1	4	4	4	4
Cap, veh/h	213	98	113	2728	2297	961
Arrive On Green	0.06	0.06	0.06	0.78	0.66	0.66
Sat Flow, veh/h	3483	1598	1753	3589	3589	1463
Grp Volume(v), veh/h	16	72	87	351	1491	37
Grp Sat Flow(s), veh/h/ln	1742	1598	1753	1749	1749	1463
Q Serve(g_s), s	0.3	3.3	3.7	1.8	19.1	0.7
Cycle Q Clear(g_c), s	0.3	3.3	3.7	1.8	19.1	0.7
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	213	98	113	2728	2297	961
V/C Ratio(X)	0.08	0.74	0.77	0.13	0.65	0.04
Avail Cap(c_a), veh/h	1861	854	703	4461	2803	1173
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.1	34.5	34.5	2.0	7.7	4.5
Incr Delay (d2), s/veh	0.1	4.0	4.2	0.1	0.9	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.1	3.0	1.6	0.3	4.6	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	33.2	38.6	38.7	2.1	8.6	4.6
LnGrp LOS	C	D	D	A	A	A
Approach Vol, veh/h	88			438	1528	
Approach Delay, s/veh	37.6			9.4	8.5	
Approach LOS	D			A	A	
Timer - Assigned Phs	2			4	5	6
Phs Duration (G+Y+Rc), s	65.4			9.5	9.2	56.2
Change Period (Y+Rc), s	* 7			4.9	4.4	7.0
Max Green Setting (Gmax), s	* 96			40.0	30.0	60.0
Max Q Clear Time (g_c+I1), s	3.8			5.3	5.7	21.1
Green Ext Time (p_c), s	7.9			0.1	0.1	28.1

## Intersection Summary

HCM 6th Ctrl Delay	9.9
HCM 6th LOS	A

## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 50: Camino Ruiz & Activity Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕	↕	↕↗		↕	↕↗	
Traffic Volume (veh/h)	1	0	1	213	3	539	5	294	63	244	966	1
Future Volume (veh/h)	1	0	1	213	3	539	5	294	63	244	966	1
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1841	1841	1841	1841	1841	1841
Adj Flow Rate, veh/h	2	0	2	245	3	620	6	382	82	271	1073	1
Peak Hour Factor	0.50	0.50	0.50	0.87	0.87	0.87	0.77	0.77	0.77	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	4	4	4	4	4	4
Cap, veh/h	141	23	92	490	5	822	11	834	177	297	1627	2
Arrive On Green	0.35	0.00	0.35	0.35	0.35	0.35	0.01	0.29	0.29	0.17	0.45	0.45
Sat Flow, veh/h	197	66	263	1129	14	1585	1753	2869	610	1753	3585	3
Grp Volume(v), veh/h	4	0	0	248	0	620	6	231	233	271	523	551
Grp Sat Flow(s),veh/h/ln	525	0	0	1143	0	1585	1753	1749	1730	1753	1749	1840
Q Serve(g_s), s	0.1	0.0	0.0	0.0	0.0	23.2	0.3	8.1	8.3	11.4	17.5	17.5
Cycle Q Clear(g_c), s	16.6	0.0	0.0	16.5	0.0	23.2	0.3	8.1	8.3	11.4	17.5	17.5
Prop In Lane	0.50		0.50	0.99		1.00	1.00		0.35	1.00		0.00
Lane Grp Cap(c), veh/h	255	0	0	495	0	822	11	508	503	297	793	835
V/C Ratio(X)	0.02	0.00	0.00	0.50	0.00	0.75	0.55	0.46	0.46	0.91	0.66	0.66
Avail Cap(c_a), veh/h	295	0	0	548	0	881	423	508	503	297	793	835
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	0.91	0.91	0.91	0.75	0.75	0.75
Uniform Delay (d), s/veh	17.3	0.0	0.0	21.2	0.0	14.3	37.2	21.7	21.8	30.6	16.0	16.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.3	0.0	3.0	13.5	2.7	2.8	24.6	3.2	3.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	3.5	0.0	7.7	0.1	3.4	3.5	6.4	6.4	6.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	17.3	0.0	0.0	21.5	0.0	17.2	50.7	24.4	24.6	55.2	19.2	19.0
LnGrp LOS	B	A	A	C	A	B	D	C	C	E	B	B
Approach Vol, veh/h		4			868			470			1345	
Approach Delay, s/veh		17.3			18.5			24.8			26.4	
Approach LOS		B			B			C			C	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.1	26.8		31.1	4.9	39.0		31.1				
Change Period (Y+Rc), s	4.4	5.0		4.9	4.4	5.0		4.9				
Max Green Setting (Gmax), s	19.0	19.0		29.0	18.1	13.6		29.0				
Max Q Clear Time (g_c+10),s	10.3	10.3		18.6	2.3	19.5		25.2				
Green Ext Time (p_c), s	0.0	2.1		0.0	0.0	0.0		1.0				
Intersection Summary												
HCM 6th Ctrl Delay			23.5									
HCM 6th LOS			C									
Notes												

# HCM 6th Signalized Intersection Summary

## 51: Carroll Canyon Rd/I-805 SB Ramps & Sorrento Valley Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑	↑	↑	↑↑	↑↑	↑↑		↑↑	↑↑	↑↑	↑
Traffic Volume (veh/h)	0	308	143	12	338	706	48	0	86	1495	396	71
Future Volume (veh/h)	0	308	143	12	338	706	48	0	86	1495	396	71
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	0	1870	1870	1870	1870	1870	1885	0	1885	1870	1870	1796
Adj Flow Rate, veh/h	0	350	162	13	360	751	65	0	116	1574	417	75
Peak Hour Factor	0.88	0.88	0.88	0.94	0.94	0.94	0.74	0.74	0.74	0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	2	1	0	1	2	2	2
Cap, veh/h	0	1114	635	71	1247	2303	646	0	0	1640	791	339
Arrive On Green	0.00	0.22	0.22	0.04	0.35	0.35	0.19	0.00	0.00	0.47	0.22	0.22
Sat Flow, veh/h	0	5274	1564	1781	3554	2790	3483	65		3456	3554	1522
Grp Volume(v), veh/h	0	350	162	13	360	751	65	31.0		1574	417	75
Grp Sat Flow(s),veh/h/ln	0	1702	1564	1781	1777	1395	1742	C		1728	1777	1522
Q Serve(g_s), s	0.0	5.3	3.2	0.6	6.7	5.9	1.4			40.3	9.5	3.7
Cycle Q Clear(g_c), s	0.0	5.3	3.2	0.6	6.7	5.9	1.4			40.3	9.5	3.7
Prop In Lane	0.00		1.00	1.00		1.00	1.00			1.00		1.00
Lane Grp Cap(c), veh/h	0	1114	635	71	1247	2303	646			1640	791	339
V/C Ratio(X)	0.00	0.31	0.25	0.18	0.29	0.33	0.10			0.96	0.53	0.22
Avail Cap(c_a), veh/h	0	1114	635	680	2369	3183	646			4453	3683	1577
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	30.1	5.6	42.5	21.5	1.9	31.0			23.2	31.4	29.1
Incr Delay (d2), s/veh	0.0	0.1	0.1	0.5	0.0	0.0	0.0			1.9	0.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	2.1	1.4	0.3	2.6	0.4	0.6			14.6	3.9	1.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	30.1	5.7	43.0	21.5	1.9	31.0			25.1	31.6	29.3
LnGrp LOS	A	C	A	D	C	A	C			C	C	C
Approach Vol, veh/h		512			1124						2066	
Approach Delay, s/veh		22.4			8.7						26.6	
Approach LOS		C			A						C	
Timer - Assigned Phs	1	2	3	4		6	7					
Phs Duration (G+Y+Rc), s	12.2	28.5	23.1	27.9		40.7	51.0					
Change Period (Y+Rc), s	8.5	* 8.5	6.1	7.5		8.5	7.5					
Max Green Setting (Gmax), s	80.0	* 20	17.0	95.0		61.1	118.1					
Max Q Clear Time (g_c+I), s	12.6	7.3	3.4	11.5		8.7	42.3					
Green Ext Time (p_c), s	0.0	0.7	0.0	0.9		1.4	1.2					

### Intersection Summary

HCM 6th Ctrl Delay	20.8
HCM 6th LOS	C

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 52: I-805 NB Off-ramp & Mira Mesa Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰↱	↑↑↑		↰	↑↑↑	↱		↑	↰↱↲	↰		↰↱
Traffic Volume (veh/h)	255	1477	0	1	678	457	0	52	2058	60	0	333
Future Volume (veh/h)	255	1477	0	1	678	457	0	52	2058	60	0	333
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	0	1870	1870	1870	0	1870	1870	1870	0	1870
Adj Flow Rate, veh/h	280	1623	0	1	779	525	0	54	2122	67	0	374
Peak Hour Factor	0.91	0.91	0.91	0.87	0.87	0.87	0.97	0.97	0.97	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	0	2	2	2	0	2	2	2	0	2
Cap, veh/h	418	1994	0	63	1962	671	0	533	1158	212	0	0
Arrive On Green	0.12	0.39	0.00	0.04	0.30	0.30	0.00	0.28	0.28	0.12	0.00	0.00
Sat Flow, veh/h	3456	5274	0	1781	6434	1583	0	1870	3614	1781	67	
Grp Volume(v), veh/h	280	1623	0	1	779	525	0	54	2122	67	57.0	
Grp Sat Flow(s),veh/h/ln	1728	1702	0	1781	1609	1583	0	1870	1205	1781	E	
Q Serve(g_s), s	10.9	39.9	0.0	0.1	13.4	40.1	0.0	3.0	40.0	4.8		
Cycle Q Clear(g_c), s	10.9	39.9	0.0	0.1	13.4	40.1	0.0	3.0	40.0	4.8		
Prop In Lane	1.00		0.00	1.00		1.00	0.00		1.00	1.00		
Lane Grp Cap(c), veh/h	418	1994	0	63	1962	671	0	533	1158	212		
V/C Ratio(X)	0.67	0.81	0.00	0.02	0.40	0.78	0.00	0.10	1.83	0.32		
Avail Cap(c_a), veh/h	738	1994	0	254	2016	685	0	533	1158	252		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	59.0	38.2	0.0	65.3	38.6	34.9	0.0	37.0	47.7	56.6		
Incr Delay (d2), s/veh	0.7	2.5	0.0	0.0	0.0	5.2	0.0	0.0	377.8	0.3		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	4.7	16.5	0.0	0.0	5.3	19.6	0.0	1.3	65.8	2.1		
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	59.7	40.8	0.0	65.4	38.6	40.1	0.0	37.0	425.5	57.0		
LnGrp LOS	E	D	A	E	D	D	A	D	F	E		
Approach Vol, veh/h	1903			1305			2176					
Approach Delay, s/veh	43.5			39.2			415.8					
Approach LOS	D			D			F					
Timer - Assigned Phs	1	2			5	6	7	8				
Phs Duration (G+Y+Rc), s	9.7	61.8			21.7	49.8	22.8	46.1				
Change Period (Y+Rc), s	4.7	7.0			* 4.7	7.0	6.1	6.1				
Max Green Setting (Gmax), s	20.0	54.0			* 30	44.0	19.9	40.0				
Max Q Clear Time (g_c+I), s	11.0	41.9			12.9	42.1	6.8	42.0				
Green Ext Time (p_c), s	0.0	3.8			0.2	0.7	0.0	0.0				

## Intersection Summary

HCM 6th Ctrl Delay 191.3

HCM 6th LOS F

## Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 53: Vista Sorrento Pkwy & Lusk Blvd

Existing  
Timing Plan: AM Peak



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	63	111	212	301	931	430
Future Volume (veh/h)	63	111	212	301	931	430
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.99	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	72	128	230	327	1034	478
Peak Hour Factor	0.87	0.87	0.92	0.92	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	168	1204	461	409	1164	1282
Arrive On Green	0.09	0.09	0.26	0.26	0.34	0.69
Sat Flow, veh/h	1781	2790	1870	1576	3456	1870
Grp Volume(v), veh/h	72	128	230	327	1034	478
Grp Sat Flow(s), veh/h/ln	1781	1395	1777	1576	1728	1870
Q Serve(g_s), s	1.9	1.4	5.5	9.6	14.0	5.3
Cycle Q Clear(g_c), s	1.9	1.4	5.5	9.6	14.0	5.3
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	168	1204	461	409	1164	1282
V/C Ratio(X)	0.43	0.11	0.50	0.80	0.89	0.37
Avail Cap(c_a), veh/h	2158	4320	2153	1909	2024	3527
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.2	8.4	15.6	17.1	15.5	3.3
Incr Delay (d2), s/veh	0.6	0.0	0.3	1.4	1.2	0.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	10.7	0.3	1.7	2.8	4.1	0.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	21.8	8.4	15.9	18.5	16.7	3.4
LnGrp LOS	C	A	B	B	B	A
Approach Vol, veh/h	200		557		1512	
Approach Delay, s/veh	13.2		17.4		12.5	
Approach LOS	B		B		B	
Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	31.1	18.9			39.9	9.6
Change Period (Y+Rc), s	4.4	6.0			6.0	4.9
Max Green Setting (G_max), s	29.0	60.0			93.4	60.0
Max Q Clear Time (g_c+16.0), s	11.6				7.3	3.9
Green Ext Time (p_c), s	0.7	1.0			0.7	0.1
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			13.8			
HCM 6th LOS			B			

# HCM 6th Signalized Intersection Summary

## 54: Lusk Blvd & Pacific Center Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	👉👉	👉👉		👉👉	👉👉			👉👉			👉👉	👉👉
Traffic Volume (veh/h)	334	211	8	19	216	167	1	2	4	18	2	65
Future Volume (veh/h)	334	211	8	19	216	167	1	2	4	18	2	65
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.99	0.99		0.98	0.99		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	423	267	10	23	260	201	1	2	5	20	2	73
Peak Hour Factor	0.79	0.79	0.79	0.83	0.83	0.83	0.88	0.88	0.88	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	601	1522	57	51	563	419	122	59	118	331	25	460
Arrive On Green	0.17	0.44	0.44	0.03	0.29	0.29	0.12	0.12	0.12	0.12	0.12	0.12
Sat Flow, veh/h	3456	3489	130	1781	1936	1441	101	506	1011	1238	210	1571
Grp Volume(v), veh/h	423	135	142	23	238	223	8	0	0	22	0	73
Grp Sat Flow(s),veh/h/ln	1728	1777	1842	1781	1777	1600	1618	0	0	1448	0	1571
Q Serve(g_s), s	4.2	1.7	1.7	0.5	4.0	4.2	0.0	0.0	0.0	0.2	0.0	1.3
Cycle Q Clear(g_c), s	4.2	1.7	1.7	0.5	4.0	4.2	0.2	0.0	0.0	0.4	0.0	1.3
Prop In Lane	1.00		0.07	1.00		0.90	0.12		0.62	0.91		1.00
Lane Grp Cap(c), veh/h	601	775	804	51	517	465	299	0	0	356	0	460
V/C Ratio(X)	0.70	0.17	0.18	0.45	0.46	0.48	0.03	0.00	0.00	0.06	0.00	0.16
Avail Cap(c_a), veh/h	2815	2895	3002	1451	2895	2608	1833	0	0	1740	0	1982
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	14.3	6.3	6.3	17.6	10.7	10.8	14.4	0.0	0.0	14.5	0.0	9.7
Incr Delay (d2), s/veh	0.6	0.0	0.0	2.3	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	0.3	0.3	0.2	1.0	1.0	0.0	0.0	0.0	0.1	0.0	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	14.9	6.4	6.4	19.9	10.9	11.0	14.4	0.0	0.0	14.6	0.0	9.8
LnGrp LOS	B	A	A	B	B	B	B	A	A	B	A	A
Approach Vol, veh/h	700			484			8			95		
Approach Delay, s/veh	11.5			11.4			14.4			10.9		
Approach LOS	B			B			B			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	5.4	21.8		9.6	10.8	16.4		9.6				
Change Period (Y+Rc), s	4.4	5.7		5.3	4.4	5.7		* 5.3				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		* 40				
Max Q Clear Time (g_c+I), s	12.5	3.7		3.3	6.2	6.2		2.2				
Green Ext Time (p_c), s	0.0	0.4		0.1	0.2	0.8		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 11.4

HCM 6th LOS B

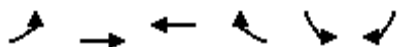
### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 55: Carroll Canyon Rd & Scranton Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	71	628	120	53	292	32
Future Volume (veh/h)	71	628	120	53	292	32
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1870	1870
Adj Flow Rate, veh/h	76	675	146	65	317	35
Peak Hour Factor	0.93	0.93	0.82	0.82	0.92	0.92
Percent Heavy Veh, %	1	1	1	1	2	2
Cap, veh/h	215	1823	1104	492	645	287
Arrive On Green	0.06	0.51	0.31	0.31	0.18	0.18
Sat Flow, veh/h	3483	3676	3676	1598	3563	1585
Grp Volume(v), veh/h	76	675	146	65	317	35
Grp Sat Flow(s),veh/h/ln	1742	1791	1791	1598	1781	1585
Q Serve(g_s), s	0.7	3.6	0.9	0.9	2.5	0.6
Cycle Q Clear(g_c), s	0.7	3.6	0.9	0.9	2.5	0.6
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	215	1823	1104	492	645	287
V/C Ratio(X)	0.35	0.37	0.13	0.13	0.49	0.12
Avail Cap(c_a), veh/h	3305	10696	6798	3032	4508	2006
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.2	4.7	7.9	7.9	11.6	10.8
Incr Delay (d2), s/veh	0.4	0.3	0.1	0.3	0.7	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.4	0.2	0.2	0.8	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	14.6	5.0	8.0	8.1	12.3	11.1
LnGrp LOS	B	A	A	A	B	B
Approach Vol, veh/h		751	211		352	
Approach Delay, s/veh		5.9	8.0		12.2	
Approach LOS		A	A		B	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		21.0		10.6	6.3	14.6
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9
Max Green Setting (Gmax), s		94.4		40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s		5.6		4.5	2.7	2.9
Green Ext Time (p_c), s		10.5		1.5	0.1	2.3
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			7.9			
HCM 6th LOS			A			

## Notes

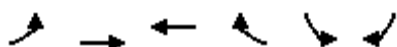
User approved volume balancing among the lanes for turning movement.



# HCM 6th Signalized Intersection Summary

## 56: Carroll Canyon Rd & Pacific Heights Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	244	372	93	74	60	94
Future Volume (veh/h)	244	372	93	74	60	94
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1870	1870
Adj Flow Rate, veh/h	277	423	104	83	90	92
Peak Hour Factor	0.88	0.88	0.89	0.89	0.84	0.84
Percent Heavy Veh, %	1	1	1	1	2	2
Cap, veh/h	368	1008	816	363	274	569
Arrive On Green	0.20	0.53	0.23	0.23	0.15	0.15
Sat Flow, veh/h	1795	1885	3676	1591	1781	1585
Grp Volume(v), veh/h	277	423	104	83	90	92
Grp Sat Flow(s), veh/h/ln	1795	1885	1791	1591	1781	1585
Q Serve(g_s), s	5.7	5.3	0.9	1.7	1.8	1.5
Cycle Q Clear(g_c), s	5.7	5.3	0.9	1.7	1.8	1.5
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	368	1008	816	363	274	569
V/C Ratio(X)	0.75	0.42	0.13	0.23	0.33	0.16
Avail Cap(c_a), veh/h	1374	4521	5483	2436	2272	2347
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.6	5.5	12.0	12.3	14.8	8.6
Incr Delay (d2), s/veh	1.2	0.6	0.1	0.7	0.7	0.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	1.8	1.0	0.3	0.5	0.6	1.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	15.8	6.1	12.2	13.0	15.5	8.7
LnGrp LOS	B	A	B	B	B	A
Approach Vol, veh/h		700	187		182	
Approach Delay, s/veh		9.9	12.6		12.0	
Approach LOS		A	B		B	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		26.7		12.5	12.0	14.6
Change Period (Y+Rc), s		5.7		6.5	4.0	5.7
Max Green Setting (Gmax), s		94.0		50.0	30.0	60.0
Max Q Clear Time (g_c+l1), s		7.3		3.8	7.7	3.7
Green Ext Time (p_c), s		5.7		0.5	0.3	1.9

### Intersection Summary

HCM 6th Ctrl Delay 10.7  
HCM 6th LOS B

### Notes










User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 57: Lusk Blvd & Barnes Canyon Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	117	165	13	25	150	94	35	247	74	55	134	30
Future Volume (veh/h)	117	165	13	25	150	94	35	247	74	55	134	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	126	177	14	30	181	113	47	329	99	62	152	34
Peak Hour Factor	0.93	0.93	0.93	0.83	0.83	0.83	0.75	0.75	0.75	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	162	728	57	62	347	205	88	856	379	107	727	158
Arrive On Green	0.09	0.22	0.22	0.03	0.16	0.16	0.05	0.24	0.24	0.06	0.25	0.25
Sat Flow, veh/h	1781	3331	261	1781	2135	1260	1781	3554	1573	1781	2890	629
Grp Volume(v), veh/h	126	94	97	30	149	145	47	329	99	62	92	94
Grp Sat Flow(s),veh/h/ln	1781	1777	1815	1781	1777	1618	1781	1777	1573	1781	1777	1742
Q Serve(g_s), s	3.1	2.0	2.0	0.7	3.5	3.7	1.2	3.5	2.3	1.5	1.8	1.9
Cycle Q Clear(g_c), s	3.1	2.0	2.0	0.7	3.5	3.7	1.2	3.5	2.3	1.5	1.8	1.9
Prop In Lane	1.00		0.14	1.00		0.78	1.00		1.00	1.00		0.36
Lane Grp Cap(c), veh/h	162	388	397	62	288	263	88	856	379	107	447	438
V/C Ratio(X)	0.78	0.24	0.25	0.48	0.52	0.55	0.53	0.38	0.26	0.58	0.21	0.22
Avail Cap(c_a), veh/h	1189	1576	1610	1185	1576	1436	1185	4729	2094	1185	2365	2319
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.0	14.5	14.5	21.4	17.3	17.4	20.9	14.3	13.9	20.6	13.3	13.3
Incr Delay (d2), s/veh	3.0	0.1	0.1	2.2	0.5	0.7	1.9	0.1	0.1	1.9	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	0.7	0.7	0.3	1.2	1.2	0.4	1.1	0.7	0.6	0.6	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.1	14.6	14.7	23.5	17.8	18.0	22.8	14.4	14.0	22.5	13.4	13.4
LnGrp LOS	C	B	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h	317				324		475				248	
Approach Delay, s/veh	18.0				18.4		15.2				15.7	
Approach LOS	B				B		B				B	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	7.1	16.6	6.0	15.5	6.6	17.0	8.5	12.9				
Change Period (Y+Rc), s	4.4	5.7	4.4	* 5.6	4.4	5.7	4.4	5.6				
Max Green Setting (Gmax), s	30.0	60.0	30.0	* 40	30.0	60.0	30.1	40.0				
Max Q Clear Time (g_c+I),s	10.5	5.5	2.7	4.0	3.2	3.9	5.1	5.7				
Green Ext Time (p_c), s	0.0	0.7	0.0	0.3	0.0	0.3	0.0	0.6				

### Intersection Summary

HCM 6th Ctrl Delay 16.7

HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 58: Pacific Heights Blvd & Pacific Center Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	109	52	12	29	0	270	33	89	0	4	2
Future Volume (veh/h)	25	109	52	12	29	0	270	33	89	0	4	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	33	143	68	16	40	0	318	39	105	0	8	4
Peak Hour Factor	0.76	0.76	0.76	0.73	0.73	0.73	0.85	0.85	0.85	0.50	0.50	0.50
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	54	809	830	29	759	0	530	557	469	0	29	13
Arrive On Green	0.03	0.23	0.23	0.02	0.21	0.00	0.30	0.30	0.30	0.00	0.01	0.01
Sat Flow, veh/h	1781	3554	1573	1781	3647	0	1781	1870	1575	0	2447	1075
Grp Volume(v), veh/h	33	143	68	16	40	0	318	39	105	0	6	6
Grp Sat Flow(s),veh/h/ln	1781	1777	1573	1781	1777	0	1781	1870	1575	0	1777	1651
Q Serve(g_s), s	0.8	1.4	0.9	0.4	0.4	0.0	6.7	0.7	2.2	0.0	0.1	0.2
Cycle Q Clear(g_c), s	0.8	1.4	0.9	0.4	0.4	0.0	6.7	0.7	2.2	0.0	0.1	0.2
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00	0.00		0.65
Lane Grp Cap(c), veh/h	54	809	830	29	759	0	530	557	469	0	22	20
V/C Ratio(X)	0.61	0.18	0.08	0.56	0.05	0.00	0.60	0.07	0.22	0.00	0.27	0.30
Avail Cap(c_a), veh/h	1210	4829	2609	1210	4829	0	1614	1695	1427	0	1610	1496
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	21.2	13.7	5.2	21.6	13.8	0.0	13.3	11.1	11.7	0.0	21.6	21.6
Incr Delay (d2), s/veh	4.2	0.2	0.1	6.1	0.0	0.0	2.3	0.1	0.5	0.0	2.4	3.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.5	0.5	0.2	0.1	0.0	2.6	0.2	0.7	0.0	0.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.3	13.9	5.3	27.7	13.9	0.0	15.6	11.2	12.2	0.0	24.0	24.6
LnGrp LOS	C	B	A	C	B	A	B	B	B	A	C	C
Approach Vol, veh/h	244			56			462			12		
Approach Delay, s/veh	13.0			17.8			14.4			24.3		
Approach LOS	B			B			B			C		
Timer - Assigned Phs	2		3	4		6		7	8			
Phs Duration (G+Y+Rc), s	18.0		5.1	15.5		5.4		5.7	14.9			
Change Period (Y+Rc), s	4.9		4.4	5.5		4.9		4.4	* 5.5			
Max Green Setting (Gmax), s	40.0		30.0	60.0		40.0		30.0	* 60			
Max Q Clear Time (g_c+l1), s	8.7		2.4	3.4		2.2		2.8	2.4			
Green Ext Time (p_c), s	3.9		0.0	2.0		0.0		0.0	0.4			

### Intersection Summary

HCM 6th Ctrl Delay 14.4  
HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 59: Pacific Mesa Blvd & Pacific Center Blvd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	3	27	10	47	17	0	351	3	342	1	1	0
Future Volume (veh/h)	3	27	10	47	17	0	351	3	342	1	1	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1575	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	4	40	15	59	21	0	459	0	444	2	2	0
Peak Hour Factor	0.67	0.67	0.67	0.80	0.80	0.80	0.77	0.77	0.77	0.50	0.50	0.50
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	8	632	280	75	766	0	1288	0	679	17	17	0
Arrive On Green	0.00	0.18	0.18	0.04	0.22	0.00	0.43	0.00	0.43	0.02	0.02	0.00
Sat Flow, veh/h	1781	3554	1577	1781	3647	0	3000	0	1582	912	912	0
Grp Volume(v), veh/h	4	40	15	59	21	0	459	0	444	4	0	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1577	1781	1777	0	1500	0	1582	1825	0	0
Q Serve(g_s), s	0.1	0.5	0.5	1.9	0.3	0.0	6.0	0.0	13.1	0.1	0.0	0.0
Cycle Q Clear(g_c), s	0.1	0.5	0.5	1.9	0.3	0.0	6.0	0.0	13.1	0.1	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00	0.50		0.00
Lane Grp Cap(c), veh/h	8	632	280	75	766	0	1288	0	679	33	0	0
V/C Ratio(X)	0.52	0.06	0.05	0.79	0.03	0.00	0.36	0.00	0.65	0.12	0.00	0.00
Avail Cap(c_a), veh/h	911	3637	1614	911	3637	0	2047	0	1079	1245	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	29.1	20.0	20.0	27.8	18.1	0.0	11.3	0.0	13.3	28.3	0.0	0.0
Incr Delay (d2), s/veh	18.9	0.1	0.2	6.6	0.0	0.0	0.5	0.0	3.4	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.2	0.2	0.9	0.1	0.0	1.8	0.0	4.5	0.1	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	48.0	20.1	20.2	34.4	18.2	0.0	11.8	0.0	16.7	28.9	0.0	0.0
LnGrp LOS	D	C	C	C	B	A	B	A	B	C	A	A
Approach Vol, veh/h	59			80			903			4		
Approach Delay, s/veh	22.0			30.2			14.2			28.9		
Approach LOS	C			C			B			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	15.7			6.0	4.7	17.9		30.1				
Change Period (Y+Rc), s	4.4	* 5.3		4.9	4.4	5.3		4.9				
Max Green Setting (Gmax), s	30.0	* 60		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+I), s	1.0	2.5		2.1	2.1	2.3		15.1				
Green Ext Time (p_c), s	0.1	0.5		0.0	0.0	0.2		10.1				

### Intersection Summary

HCM 6th Ctrl Delay 15.9  
HCM 6th LOS B

### Notes

User approved volume balancing among the lanes for turning movement.

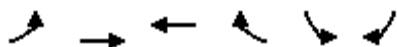
User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 60: Carroll Canyon Rd & Business Access Rd

Existing  
Timing Plan: AM Peak








Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	17	539	124	4	0	8
Future Volume (veh/h)	17	539	124	4	0	8
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1870	1870
Adj Flow Rate, veh/h	21	665	175	6	0	8
Peak Hour Factor	0.81	0.81	0.71	0.71	1.00	1.00
Percent Heavy Veh, %	1	1	1	1	2	2
Cap, veh/h	39	1946	1131	39	15	14
Arrive On Green	0.02	0.54	0.32	0.32	0.00	0.01
Sat Flow, veh/h	1795	3676	3628	121	1781	1585
Grp Volume(v), veh/h	21	665	88	93	0	8
Grp Sat Flow(s), veh/h/ln	1795	1791	1791	1863	1781	1585
Q Serve(g_s), s	0.3	2.3	0.8	0.8	0.0	0.1
Cycle Q Clear(g_c), s	0.3	2.3	0.8	0.8	0.0	0.1
Prop In Lane	1.00			0.06	1.00	1.00
Lane Grp Cap(c), veh/h	39	1946	573	596	15	14
V/C Ratio(X)	0.53	0.34	0.15	0.16	0.00	0.58
Avail Cap(c_a), veh/h	2463	15462	4914	5113	3258	2899
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	10.6	2.8	5.3	5.3	0.0	10.8
Incr Delay (d2), s/veh	4.1	0.0	0.0	0.0	0.0	13.6
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.1	0.0	0.1	0.1	0.0	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	14.7	2.8	5.4	5.4	0.0	24.4
LnGrp LOS	B	A	A	A	A	C
Approach Vol, veh/h		686	181		8	
Approach Delay, s/veh		3.2	5.4		24.4	
Approach LOS		A	A		C	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		16.8		5.1	4.9	11.9
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9
Max Green Setting (Gmax), s		94.4		40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s		4.3		2.1	2.3	2.8
Green Ext Time (p_c), s		2.8		0.0	0.0	0.6
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			3.8			
HCM 6th LOS			A			

# HCM 6th Signalized Intersection Summary 61: Scranton Rd & Mira Sorrento PI

Existing  
Timing Plan: AM Peak



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	482	149	69	216	63	58
Future Volume (veh/h)	482	149	69	216	63	58
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	548	169	73	227	81	74
Peak Hour Factor	0.88	0.88	0.95	0.95	0.78	0.78
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	720	640	98	662	170	155
Arrive On Green	0.40	0.40	0.06	0.35	0.19	0.19
Sat Flow, veh/h	1781	1585	1781	1870	891	814
Grp Volume(v), veh/h	548	169	73	227	0	155
Grp Sat Flow(s),veh/h/ln	1781	1585	1781	1870	0	1706
Q Serve(g_s), s	10.8	2.9	1.6	3.6	0.0	3.3
Cycle Q Clear(g_c), s	10.8	2.9	1.6	3.6	0.0	3.3
Prop In Lane	1.00	1.00	1.00			0.48
Lane Grp Cap(c), veh/h	720	640	98	662	0	325
V/C Ratio(X)	0.76	0.26	0.74	0.34	0.00	0.48
Avail Cap(c_a), veh/h	1744	1552	1308	4323	0	2506
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	10.5	8.1	19.0	9.7	0.0	14.7
Incr Delay (d2), s/veh	2.3	0.3	4.1	0.4	0.0	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.1	0.7	1.2	0.0	1.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	12.7	8.4	23.1	10.1	0.0	16.1
LnGrp LOS	B	A	C	B	A	B
Approach Vol, veh/h	717			300	155	
Approach Delay, s/veh	11.7			13.3	16.1	
Approach LOS	B			B	B	
Timer - Assigned Phs	2		4		5	6
Phs Duration (G+Y+Rc), s	19.4		21.4		6.7	12.8
Change Period (Y+Rc), s	5.0		4.9		4.4	5.0
Max Green Setting (Gmax), s	94.4		40.0		30.0	60.0
Max Q Clear Time (g_c+l1), s	5.6		12.8		3.6	5.3
Green Ext Time (p_c), s	1.9		3.7		0.1	1.3
Intersection Summary						
HCM 6th Ctrl Delay	12.7					
HCM 6th LOS	B					

## Notes

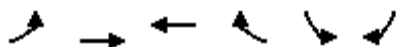
User approved ignoring U-Turning movement.



# HCM 6th Signalized Intersection Summary

## 62: Carroll Canyon Rd & Youngstown Wy

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	25	869	165	25	6	12
Future Volume (veh/h)	25	869	165	25	6	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1900	1900
Adj Flow Rate, veh/h	26	896	201	30	11	21
Peak Hour Factor	0.97	0.97	0.82	0.82	0.56	0.56
Percent Heavy Veh, %	1	1	1	1	0	0
Cap, veh/h	47	2100	1258	185	18	35
Arrive On Green	0.03	0.59	0.40	0.40	0.03	0.03
Sat Flow, veh/h	1795	3676	3226	461	560	1069
Grp Volume(v), veh/h	26	896	114	117	33	0
Grp Sat Flow(s), veh/h/ln	1795	1791	1791	1802	1680	0
Q Serve(g_s), s	0.4	3.8	1.1	1.2	0.5	0.0
Cycle Q Clear(g_c), s	0.4	3.8	1.1	1.2	0.5	0.0
Prop In Lane	1.00			0.26	0.33	0.64
Lane Grp Cap(c), veh/h	47	2100	719	724	54	0
V/C Ratio(X)	0.55	0.43	0.16	0.16	0.61	0.00
Avail Cap(c_a), veh/h	1938	12166	3866	3889	2417	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	13.4	3.2	5.3	5.3	13.3	0.0
Incr Delay (d2), s/veh	3.7	0.2	0.1	0.1	4.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.2	0.1	0.2	0.2	0.2	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	17.1	3.4	5.5	5.5	17.3	0.0
LnGrp LOS	B	A	A	A	B	A
Approach Vol, veh/h		922	231		33	
Approach Delay, s/veh		3.8	5.5		17.3	
Approach LOS		A	A		B	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		22.0		5.8	5.1	16.9
Change Period (Y+Rc), s		5.7		4.9	4.4	5.7
Max Green Setting (Gmax), s		94.4		40.0	30.0	60.0
Max Q Clear Time (g_c+I1), s		5.8		2.5	2.4	3.2
Green Ext Time (p_c), s		10.5		0.0	0.0	1.8

### Intersection Summary

HCM 6th Ctrl Delay	4.5
HCM 6th LOS	A

### Notes

User approved volume balancing among the lanes for turning movement.

# HCM 6th Signalized Intersection Summary

## 63: Black Mountain Rd & Westview Pkwy

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				↰		↰↰	↰	↑↑↑	↰	↰	↑↑↑	
Traffic Volume (veh/h)	0	0	0	41	0	246	1	690	20	235	1869	0
Future Volume (veh/h)	0	0	0	41	0	246	1	690	20	235	1869	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.98	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach				No		No	No		No		No	
Adj Sat Flow, veh/h/ln				1870	0	1870	1870	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				42	0	251	1	802	23	245	1947	0
Peak Hour Factor				0.98	0.98	0.98	0.86	0.86	0.86	0.96	0.96	0.96
Percent Heavy Veh, %				2	0	2	2	3	3	3	3	0
Cap, veh/h				230	0	360	2	2706	820	284	3514	0
Arrive On Green				0.13	0.00	0.13	0.00	0.53	0.53	0.16	0.69	0.00
Sat Flow, veh/h				1781	0	2790	1781	5066	1535	1767	5233	0
Grp Volume(v), veh/h				42	0	251	1	802	23	245	1947	0
Grp Sat Flow(s),veh/h/ln				1781	0	1395	1781	1689	1535	1767	1689	0
Q Serve(g_s), s				1.9	0.0	7.7	0.1	7.9	0.6	12.1	17.1	0.0
Cycle Q Clear(g_c), s				1.9	0.0	7.7	0.1	7.9	0.6	12.1	17.1	0.0
Prop In Lane				1.00		1.00	1.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h				230	0	360	2	2706	820	284	3514	0
V/C Ratio(X)				0.18	0.00	0.70	0.50	0.30	0.03	0.86	0.55	0.00
Avail Cap(c_a), veh/h				795	0	1245	596	3392	1028	986	4585	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				34.8	0.0	37.4	44.7	11.5	9.9	36.7	6.8	0.0
Incr Delay (d2), s/veh				0.6	0.0	3.7	58.3	0.1	0.0	3.1	0.3	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				0.8	0.0	0.2	0.1	2.5	0.2	5.1	4.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				35.4	0.0	41.1	103.0	11.6	9.9	39.7	7.1	0.0
LnGrp LOS				D	A	D	F	B	A	D	A	A
Approach Vol, veh/h					293			826			2192	
Approach Delay, s/veh					40.3			11.7			10.7	
Approach LOS					D			B			B	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	18.8	54.9			4.5	69.1		16.0				
Change Period (Y+Rc), s	4.4	7.0			4.4	* 7		4.4				
Max Green Setting (Gm), s	50.0	60.0			30.0	* 81		40.0				
Max Q Clear Time (g_c+1),s	11.0	9.9			2.1	19.1		9.7				
Green Ext Time (p_c), s	0.3	8.4			0.0	43.0		1.8				

### Intersection Summary

HCM 6th Ctrl Delay 13.6  
HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.













\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 64: Black Mountain Rd & Capricorn Wy

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	366	226	157	65	175	28	108	341	43	34	1199	546
Future Volume (veh/h)	366	226	157	65	175	28	108	341	43	34	1199	546
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1796	1870	1870	1796	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	411	254	176	76	206	33	129	406	51	38	1347	613
Peak Hour Factor	0.89	0.89	0.89	0.85	0.85	0.85	0.84	0.84	0.84	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	358	834	352	93	306	130	147	2925	904	49	2643	805
Arrive On Green	0.20	0.23	0.23	0.05	0.09	0.09	0.08	0.58	0.58	0.03	0.52	0.52
Sat Flow, veh/h	1781	3554	1498	1781	3554	1511	1767	5066	1566	1767	5066	1544
Grp Volume(v), veh/h	411	254	176	76	206	33	129	406	51	38	1347	613
Grp Sat Flow(s),veh/h/ln	1781	1777	1498	1781	1777	1511	1767	1689	1566	1767	1689	1544
Q Serve(g_s), s	38.2	11.2	19.4	8.0	10.7	3.9	13.7	7.0	2.7	4.1	32.9	59.8
Cycle Q Clear(g_c), s	38.2	11.2	19.4	8.0	10.7	3.9	13.7	7.0	2.7	4.1	32.9	59.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	358	834	352	93	306	130	147	2925	904	49	2643	805
V/C Ratio(X)	1.15	0.30	0.50	0.82	0.67	0.25	0.88	0.14	0.06	0.78	0.51	0.76
Avail Cap(c_a), veh/h	358	834	352	321	647	275	382	2925	904	103	2643	805
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75	0.75	0.75
Uniform Delay (d), s/veh	75.9	59.9	63.0	89.1	84.2	81.1	86.1	18.4	17.5	91.8	29.6	36.0
Incr Delay (d2), s/veh	94.0	0.6	3.0	6.4	6.9	2.8	6.2	0.1	0.1	7.2	0.5	5.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	27.1	5.2	7.8	3.9	5.3	1.6	6.5	2.8	1.1	1.9	13.3	24.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	169.9	60.5	66.1	95.5	91.2	83.9	92.3	18.5	17.7	99.0	30.1	41.1
LnGrp LOS	F	E	E	F	F	F	F	B	B	F	C	D
Approach Vol, veh/h	841			315			586			1998		
Approach Delay, s/veh	115.1			91.5			34.7			34.8		
Approach LOS	F			F			C			C		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.7	116.5	14.3	49.5	20.2	105.9	42.6	21.2				
Change Period (Y+Rc), s	4.4	6.8	4.4	4.9	4.4	* 6.8	4.4	4.9				
Max Green Setting (Gmax), s	85.6	85.6	34.2	38.6	41.1	* 56	38.2	34.6				
Max Q Clear Time (g_c+I),s	9.0	9.0	9.0	21.4	15.7	61.8	40.2	12.7				
Green Ext Time (p_c), s	0.0	2.8	0.1	4.4	0.1	0.0	0.0	2.8				

### Intersection Summary

HCM 6th Ctrl Delay 57.6

HCM 6th LOS E

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 65: Black Mountain Rd & Achilles Wy/Galvin Ave

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔		↔	↔	↔	↔	↕	↔	↔	↕	↔
Traffic Volume (veh/h)	1	4	5	168	1	67	1	410	159	45	1364	2
Future Volume (veh/h)	1	4	5	168	1	67	1	410	159	45	1364	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	2	6	8	231	0	92	1	562	218	49	1483	2
Peak Hour Factor	0.62	0.62	0.62	0.73	0.73	0.73	0.73	0.73	0.73	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	3	9	12	313	0	195	2	2276	1012	62	2397	1038
Arrive On Green	0.01	0.01	0.01	0.09	0.00	0.09	0.00	1.00	1.00	0.04	0.68	0.68
Sat Flow, veh/h	213	640	853	3563	0	1585	1767	3526	1567	1767	3526	1527
Grp Volume(v), veh/h	16	0	0	231	0	92	1	562	218	49	1483	2
Grp Sat Flow(s),veh/h/ln	1706	0	0	1781	0	1585	1767	1763	1567	1767	1763	1527
Q Serve(g_s), s	0.9	0.0	0.0	6.0	0.0	5.1	0.1	0.0	0.0	2.6	22.1	0.0
Cycle Q Clear(g_c), s	0.9	0.0	0.0	6.0	0.0	5.1	0.1	0.0	0.0	2.6	22.1	0.0
Prop In Lane	0.12		0.50	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	25	0	0	313	0	195	2	2276	1012	62	2397	1038
V/C Ratio(X)	0.65	0.00	0.00	0.74	0.00	0.47	0.52	0.25	0.22	0.78	0.62	0.00
Avail Cap(c_a), veh/h	120	0	0	529	0	291	130	2276	1012	205	2397	1038
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	0.92	0.00	0.92	0.94	0.94	0.94	1.00	1.00	1.00
Uniform Delay (d), s/veh	46.6	0.0	0.0	42.3	0.0	38.8	47.4	0.0	0.0	45.5	8.4	4.9
Incr Delay (d2), s/veh	10.0	0.0	0.0	1.2	0.0	0.6	58.8	0.2	0.5	7.8	1.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	0.0	2.6	0.0	2.0	0.1	0.1	0.1	1.2	6.4	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	56.6	0.0	0.0	43.5	0.0	39.4	106.2	0.2	0.5	53.2	9.6	4.9
LnGrp LOS	E	A	A	D	A	D	F	A	A	D	A	A
Approach Vol, veh/h	16			323			781			1534		
Approach Delay, s/veh	56.6			42.3			0.4			11.0		
Approach LOS	E			D			A			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.8	67.6		6.3	4.5	70.9		13.3				
Change Period (Y+Rc), s	4.4	* 6.3		4.9	4.4	6.3		5.0				
Max Green Setting (Gmax), s	44	* 44		6.7	7.0	46.6		14.1				
Max Q Clear Time (g_c+I_T), s	14	2.0		2.9	2.1	24.1		8.0				
Green Ext Time (p_c), s	0.0	8.7		0.0	0.0	7.1		0.3				

### Intersection Summary

HCM 6th Ctrl Delay 12.0

HCM 6th LOS B

### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 66: Black Mountain Rd & Gemini Ave

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	150	20	329	29	22	22	198	400	10	42	1267	211
Future Volume (veh/h)	150	20	329	29	22	22	198	400	10	42	1267	211
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.96	0.99		0.99	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1563	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	188	0	428	32	24	24	239	482	12	48	1456	243
Peak Hour Factor	0.80	0.80	0.80	0.91	0.91	0.91	0.83	0.83	0.83	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	333	0	619	270	368	316	293	2129	53	61	1899	834
Arrive On Green	0.20	0.00	0.20	0.20	0.20	0.20	0.20	1.00	1.00	0.07	1.00	1.00
Sat Flow, veh/h	1345	0	3036	954	1803	1547	2887	3515	87	1767	3526	1548
Grp Volume(v), veh/h	188	0	428	32	24	24	239	241	253	48	1456	243
Grp Sat Flow(s),veh/h/ln	1345	0	1518	954	1777	1573	1444	1763	1839	1767	1763	1548
Q Serve(g_s), s	12.5	0.0	12.4	2.6	1.0	1.2	7.5	0.0	0.0	2.5	0.0	0.0
Cycle Q Clear(g_c), s	13.7	0.0	12.4	2.6	1.0	1.2	7.5	0.0	0.0	2.5	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.98	1.00		0.05	1.00		1.00
Lane Grp Cap(c), veh/h	333	0	619	270	362	321	293	1068	1114	61	1899	834
V/C Ratio(X)	0.56	0.00	0.69	0.12	0.07	0.08	0.82	0.23	0.23	0.79	0.77	0.29
Avail Cap(c_a), veh/h	498	0	991	387	580	513	398	1068	1114	206	1899	834
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(l)	1.00	0.00	1.00	1.00	1.00	1.00	0.78	0.78	0.78	0.77	0.77	0.77
Uniform Delay (d), s/veh	36.1	0.0	35.0	31.1	30.5	30.6	37.0	0.0	0.0	43.9	0.0	0.0
Incr Delay (d2), s/veh	0.6	0.0	0.5	0.1	0.0	0.0	5.3	0.4	0.4	6.4	2.3	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.0	4.6	0.6	0.4	0.5	2.6	0.1	0.1	1.2	0.6	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	36.7	0.0	35.6	31.2	30.5	30.6	42.3	0.4	0.4	50.3	2.3	0.7
LnGrp LOS	D	A	D	C	C	C	D	A	A	D	A	A
Approach Vol, veh/h	616			80			733			1747		
Approach Delay, s/veh	35.9			30.8			14.0			3.4		
Approach LOS	D			C			B			A		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.7	63.1		24.3	14.0	56.7		24.3				
Change Period (Y+Rc), s	4.4	5.5		4.9	4.4	* 5.5		4.9				
Max Green Setting (Gmax), s	38.1			31.0	13.1	* 36		31.0				
Max Q Clear Time (g_c+I_T),s	2.0			15.7	9.5	2.0		4.6				
Green Ext Time (p_c), s	0.0	5.5		1.3	0.2	24.4		0.2				

### Intersection Summary

HCM 6th Ctrl Delay 12.9  
HCM 6th LOS B

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.












\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 67: Black Mountain Rd & Hillery Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	87	194	185	383	338	122	173	242	195	153	678	129
Future Volume (veh/h)	87	194	185	383	338	122	173	242	195	153	678	129
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.96	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1563	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	99	220	210	407	360	130	222	310	250	159	706	134
Peak Hour Factor	0.88	0.88	0.88	0.94	0.94	0.94	0.78	0.78	0.78	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	124	234	223	473	638	516	115	1252	543	122	1221	526
Arrive On Green	0.07	0.27	0.27	0.14	0.34	0.34	0.13	0.59	0.59	0.07	0.35	0.35
Sat Flow, veh/h	1781	854	815	3456	1870	1514	1488	3526	1531	1767	3526	1519
Grp Volume(v), veh/h	99	0	430	407	360	130	222	310	250	159	706	134
Grp Sat Flow(s),veh/h/ln	1781	0	1668	1728	1870	1514	1488	1763	1531	1767	1763	1519
Q Serve(g_s), s	6.4	0.0	29.3	13.4	18.2	7.2	9.0	4.9	10.6	8.0	19.0	7.3
Cycle Q Clear(g_c), s	6.4	0.0	29.3	13.4	18.2	7.2	9.0	4.9	10.6	8.0	19.0	7.3
Prop In Lane	1.00		0.49	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	124	0	456	473	638	516	115	1252	543	122	1221	526
V/C Ratio(X)	0.80	0.00	0.94	0.86	0.56	0.25	1.92	0.25	0.46	1.30	0.58	0.25
Avail Cap(c_a), veh/h	240	0	460	673	638	516	115	1252	543	122	1221	526
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.67	1.67	1.67	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	0.95	0.95	0.95	0.71	0.71	0.71
Uniform Delay (d), s/veh	53.2	0.0	41.2	49.0	31.2	27.6	50.5	16.2	17.4	54.0	31.0	27.2
Incr Delay (d2), s/veh	4.4	0.0	28.0	5.8	2.3	0.7	444.1	0.4	2.7	172.7	1.4	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	15.4	6.1	8.5	2.7	17.3	1.9	3.5	9.3	8.1	2.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	57.6	0.0	69.3	54.8	33.5	28.3	494.6	16.7	20.0	226.7	32.4	28.0
LnGrp LOS	E	A	E	D	C	C	F	B	C	F	C	C
Approach Vol, veh/h	529			897			782			999		
Approach Delay, s/veh	67.1			42.4			153.4			62.7		
Approach LOS	E			D			F			E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	42.4	46.6	20.3	36.7	13.4	45.6	12.5	44.6				
Change Period (Y+Rc), s	4.4	5.4	4.4	* 5	4.4	* 5.4	4.4	5.0				
Max Green Setting (Gmax), s	34.3	34.3	22.6	* 32	9.0	* 34	15.6	38.9				
Max Q Clear Time (g_c+10),s	12.6	12.6	15.4	31.3	11.0	21.0	8.4	20.2				
Green Ext Time (p_c), s	0.0	4.0	0.5	0.3	0.0	5.8	0.1	5.2				

### Intersection Summary

HCM 6th Ctrl Delay 79.9

HCM 6th LOS E

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary 68: Black Mountain Rd & Miramar College Drwy

Existing  
Timing Plan: AM Peak



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	27	15	565	193	243	994
Future Volume (veh/h)	27	15	565	193	243	994
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.97	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1856	1781	1856	1856
Adj Flow Rate, veh/h	39	21	743	254	270	1104
Peak Hour Factor	0.70	0.70	0.76	0.76	0.90	0.90
Percent Heavy Veh, %	2	2	3	3	3	3
Cap, veh/h	60	53	2384	990	293	3103
Arrive On Green	0.03	0.03	0.68	0.68	0.33	1.00
Sat Flow, veh/h	1781	1585	3618	1464	1767	3618
Grp Volume(v), veh/h	39	21	743	254	270	1104
Grp Sat Flow(s), veh/h/ln	1781	1585	1763	1464	1767	1763
Q Serve(g_s), s	2.5	1.5	10.0	7.9	17.1	0.0
Cycle Q Clear(g_c), s	2.5	1.5	10.0	7.9	17.1	0.0
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	60	53	2384	990	293	3103
V/C Ratio(X)	0.65	0.39	0.31	0.26	0.92	0.36
Avail Cap(c_a), veh/h	382	340	2384	990	367	3103
HCM Platoon Ratio	1.00	1.00	1.00	1.00	2.00	2.00
Upstream Filter(l)	1.00	1.00	0.87	0.87	0.62	0.62
Uniform Delay (d), s/veh	55.4	54.9	7.7	7.4	38.0	0.0
Incr Delay (d2), s/veh	4.3	1.7	0.3	0.5	15.8	0.2
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	1.2	0.6	3.4	2.3	7.1	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	59.7	56.6	8.0	7.9	53.8	0.2
LnGrp LOS	E	E	A	A	D	A
Approach Vol, veh/h	60		997			1374
Approach Delay, s/veh	58.6		8.0			10.7
Approach LOS	E		A			B
Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	23.6	83.6			107.2	8.8
Change Period (Y+Rc), s	4.4	5.1			* 5.1	4.9
Max Green Setting (Gmax), s	24.1	52.6			* 81	24.9
Max Q Clear Time (g_c+19), s	19.1	12.0			2.0	4.5
Green Ext Time (p_c), s	0.2	8.0			15.9	0.1

## Intersection Summary

HCM 6th Ctrl Delay	10.8
HCM 6th LOS	B

























## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# 69: Black Mountain Rd & Gold Coast Dr

Existing  
timing Plan: AM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	131	165	330	36	241	185	228	385	18	162	684	177
Future Volume (veh/h)	131	165	330	36	241	185	228	385	18	162	684	177
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.93	1.00		0.91	1.00		0.93	1.00		0.92
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1796	1870	1870	1796	1856	1856	1781	1563	1856	1856
Adj Flow Rate, veh/h	160	201	402	41	277	213	245	414	19	174	735	190
Peak Hour Factor	0.82	0.82	0.82	0.87	0.87	0.87	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	190	581	441	53	437	324	275	1268	504	198	917	237
Arrive On Green	0.11	0.31	0.31	0.03	0.23	0.23	0.16	0.36	0.36	0.13	0.34	0.34
Sat Flow, veh/h	1781	1870	1419	1781	1870	1386	1767	3526	1401	1488	2718	702
Grp Volume(v), veh/h	160	201	402	41	277	213	245	414	19	174	477	448
Grp Sat Flow(s),veh/h/ln	1781	1870	1419	1781	1870	1386	1767	1763	1401	1488	1763	1657
Q Serve(g_s), s	10.1	9.5	31.2	2.6	15.3	16.0	15.6	9.8	1.0	13.2	28.2	28.2
Cycle Q Clear(g_c), s	10.1	9.5	31.2	2.6	15.3	16.0	15.6	9.8	1.0	13.2	28.2	28.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.42
Lane Grp Cap(c), veh/h	190	581	441	53	437	324	275	1268	504	198	595	559
V/C Ratio(X)	0.84	0.35	0.91	0.78	0.63	0.66	0.89	0.33	0.04	0.88	0.80	0.80
Avail Cap(c_a), veh/h	466	652	495	466	652	483	462	1857	738	389	922	867
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	50.3	30.5	38.0	55.3	39.5	39.8	47.5	26.6	23.8	48.8	34.5	34.5
Incr Delay (d2), s/veh	3.8	0.5	20.7	8.8	1.8	2.7	6.4	0.2	0.0	4.8	3.6	3.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.7	4.4	13.4	1.3	7.3	5.7	7.2	4.0	0.3	5.0	12.2	11.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	54.1	31.1	58.7	64.0	41.4	42.5	53.9	26.9	23.9	53.6	38.1	38.3
LnGrp LOS	D	C	E	E	D	D	D	C	C	D	D	D
Approach Vol, veh/h	763				531				678			
Approach Delay, s/veh	50.5				43.6				36.5			
Approach LOS	D				D				D			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	19.7	46.7	7.8	40.5	22.2	44.1	16.6	31.7				
Change Period (Y+Rc), s	4.4	* 5.4	4.4	4.9	4.4	5.4	4.4	4.9				
Max Green Setting (Gmax), s	30.0	* 60	30.0	40.0	30.0	60.0	30.0	40.0				
Max Q Clear Time (g_c+I1), s	15.2	11.8	4.6	33.2	17.6	30.2	12.1	18.0				
Green Ext Time (p_c), s	0.2	4.9	0.0	2.4	0.3	8.5	0.2	3.1				

## Intersection Summary

HCM 6th Ctrl Delay	42.7
HCM 6th LOS	D

## Notes

User approved ignoring U-Turning movement.








\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 70: Black Mountain Rd & Carroll Canyon Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	8	7	777	0	316	6	238	103	377	696	13
Future Volume (veh/h)	15	8	7	777	0	316	6	238	103	377	696	13
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94	1.00		1.00	1.00		0.98	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	0	1885	1856	1856	1856	1563	1856	1856
Adj Flow Rate, veh/h	22	12	10	845	0	343	7	262	113	405	748	14
Peak Hour Factor	0.68	0.68	0.68	0.92	0.92	0.92	0.91	0.91	0.91	0.93	0.93	0.93
Percent Heavy Veh, %	1	1	1	1	0	1	3	3	3	3	3	3
Cap, veh/h	28	15	13	0	0	0	12	1675	700	423	2956	55
Arrive On Green	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.23	0.23	0.15	0.84	0.84
Sat Flow, veh/h	870	475	396		0		1767	2406	1006	2887	3537	66
Grp Volume(v), veh/h	44	0	0		0.0		7	190	185	405	373	389
Grp Sat Flow(s),veh/h/ln	1740	0	0				1767	1763	1649	1444	1763	1841
Q Serve(g_s), s	2.9	0.0	0.0				0.5	10.0	10.4	16.2	5.1	5.1
Cycle Q Clear(g_c), s	2.9	0.0	0.0				0.5	10.0	10.4	16.2	5.1	5.1
Prop In Lane	0.50		0.23				1.00		0.61	1.00		0.04
Lane Grp Cap(c), veh/h	56	0	0				12	1227	1148	423	1473	1538
V/C Ratio(X)	0.78	0.00	0.00				0.57	0.15	0.16	0.96	0.25	0.25
Avail Cap(c_a), veh/h	117	0	0				107	1227	1148	423	1473	1538
HCM Platoon Ratio	1.00	1.00	1.00				0.33	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00				1.00	1.00	1.00	0.51	0.51	0.51
Uniform Delay (d), s/veh	55.7	0.0	0.0				57.7	17.4	17.6	49.1	2.0	2.0
Incr Delay (d2), s/veh	20.7	0.0	0.0				14.4	0.3	0.3	21.3	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	0.0				0.3	4.4	4.3	6.9	1.0	1.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	76.4	0.0	0.0				72.1	17.7	17.9	70.4	2.2	2.2
LnGrp LOS	E	A	A				E	B	B	E	A	A
Approach Vol, veh/h	44						382			1167		
Approach Delay, s/veh	76.4						18.8			25.9		
Approach LOS	E						B			C		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	31.4	86.0		8.6	5.2	102.1						
Change Period (Y+Rc), s	4.4	* 5.2		4.9	4.4	5.2						
Max Green Setting (G_max), s	10.0	* 25		7.8	7.0	34.7						
Max Q Clear Time (g_c+10.2), s	12.4			4.9	2.5	7.1						
Green Ext Time (p_c), s	0.0	2.6		0.0	0.0	9.6						

### Intersection Summary

HCM 6th Ctrl Delay 25.6

HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 71: Maya Linda Rd & Carroll Canyon Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	9	425	23	78	1030	336	4	32	81	276	30	20
Future Volume (veh/h)	9	425	23	78	1030	336	4	32	81	276	30	20
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	0.99		0.98	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1885	1885	1810	1885	1885	1885	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	10	483	26	87	1144	373	6	46	116	307	33	22
Peak Hour Factor	0.88	0.88	0.88	0.90	0.90	0.90	0.70	0.70	0.70	0.90	0.90	0.90
Percent Heavy Veh, %	1	1	1	1	1	1	2	2	2	2	2	2
Cap, veh/h	18	1794	751	113	1469	470	78	508	440	416	307	204
Arrive On Green	0.01	0.50	0.50	0.06	0.55	0.55	0.30	0.30	0.30	0.30	0.30	0.30
Sat Flow, veh/h	1795	3582	1499	1795	2652	848	110	1716	1489	1215	1037	691
Grp Volume(v), veh/h	10	483	26	87	765	752	52	0	116	307	0	55
Grp Sat Flow(s),veh/h/ln	1795	1791	1499	1795	1791	1709	1827	0	1489	1215	0	1728
Q Serve(g_s), s	0.5	6.9	0.8	4.2	29.6	31.2	0.0	0.0	5.3	21.8	0.0	2.1
Cycle Q Clear(g_c), s	0.5	6.9	0.8	4.2	29.6	31.2	1.8	0.0	5.3	23.6	0.0	2.1
Prop In Lane	1.00		1.00	1.00		0.50	0.12		1.00	1.00		0.40
Lane Grp Cap(c), veh/h	18	1794	751	113	992	947	585	0	440	416	0	511
V/C Ratio(X)	0.57	0.27	0.03	0.77	0.77	0.79	0.09	0.00	0.26	0.74	0.00	0.11
Avail Cap(c_a), veh/h	605	2413	1010	605	1207	1151	860	0	669	602	0	776
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	43.9	12.8	11.3	41.1	15.5	15.8	22.7	0.0	24.0	31.3	0.0	22.8
Incr Delay (d2), s/veh	10.1	0.1	0.0	4.1	2.8	3.5	0.0	0.0	0.1	1.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	2.6	0.2	2.0	11.4	11.6	0.8	0.0	1.9	6.4	0.0	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	54.0	12.9	11.3	45.2	18.3	19.3	22.7	0.0	24.1	32.4	0.0	22.8
LnGrp LOS	D	B	B	D	B	B	C	A	C	C	A	C
Approach Vol, veh/h	519			1604			168			362		
Approach Delay, s/veh	13.6			20.2			23.7			31.0		
Approach LOS	B			C			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.6	49.1		30.3	4.9	53.8		30.3				
Change Period (Y+Rc), s	4.0	4.5		4.0	4.0	4.5		4.0				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+I), s	10.2	8.9		25.6	2.5	33.2		7.3				
Green Ext Time (p_c), s	0.1	4.7		0.7	0.0	16.1		0.4				

### Intersection Summary

HCM 6th Ctrl Delay 20.6  
HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 72: Black Mountain Rd & Maya Linda Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↑	↕	↕	↑↑	↕	↕	↑↑	
Traffic Volume (veh/h)	13	0	24	104	0	19	8	301	16	11	1485	25
Future Volume (veh/h)	13	0	24	104	0	19	8	301	16	11	1485	25
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	15	0	29	132	0	24	8	307	16	12	1580	27
Peak Hour Factor	0.84	0.84	0.84	0.79	0.79	0.79	0.98	0.98	0.98	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	82	18	112	222	204	173	14	2664	1158	20	2690	46
Arrive On Green	0.11	0.00	0.11	0.11	0.00	0.11	0.01	0.76	0.76	0.02	1.00	1.00
Sat Flow, veh/h	368	161	1024	1378	1870	1581	1767	3526	1533	1767	3545	60
Grp Volume(v), veh/h	44	0	0	132	0	24	8	307	16	12	785	822
Grp Sat Flow(s), veh/h/ln	1553	0	0	1378	1870	1581	1767	1763	1533	1767	1763	1843
Q Serve(g_s), s	0.0	0.0	0.0	7.3	0.0	1.6	0.5	2.7	0.3	0.8	0.0	0.0
Cycle Q Clear(g_c), s	2.8	0.0	0.0	10.1	0.0	1.6	0.5	2.7	0.3	0.8	0.0	0.0
Prop In Lane	0.34		0.66	1.00		1.00	1.00		1.00	1.00		0.03
Lane Grp Cap(c), veh/h	211	0	0	222	204	173	14	2664	1158	20	1338	1398
V/C Ratio(X)	0.21	0.00	0.00	0.59	0.00	0.14	0.58	0.12	0.01	0.61	0.59	0.59
Avail Cap(c_a), veh/h	436	0	0	427	482	407	123	2664	1158	123	1338	1398
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	0.73	0.73	0.73
Uniform Delay (d), s/veh	47.3	0.0	0.0	50.2	0.0	46.7	57.4	3.8	3.5	56.5	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.9	0.0	0.1	13.3	0.1	0.0	8.2	1.4	1.3
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	1.2	0.0	0.0	3.8	0.0	0.6	0.3	0.8	0.1	0.4	0.5	0.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	47.4	0.0	0.0	51.2	0.0	46.9	70.7	3.9	3.5	64.7	1.4	1.3
LnGrp LOS	D	A	A	D	A	D	E	A	A	E	A	A
Approach Vol, veh/h	44			156			331			1619		
Approach Delay, s/veh	47.4			50.5			5.5			1.8		
Approach LOS	D			D			A			A		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	5.7	92.7		17.6	5.3	93.1		17.6				
Change Period (Y+Rc), s	4.4	5.1		4.9	4.4	* 5.1		4.9				
Max Green Setting (Gmax), s	63.5			30.0	8.1	* 64		29.9				
Max Q Clear Time (g_c+I), s	4.7			4.8	2.5	2.0		12.1				
Green Ext Time (p_c), s	0.0	2.5		0.1	0.0	30.5		0.2				

### Intersection Summary

HCM 6th Ctrl Delay 6.9  
HCM 6th LOS A

### Notes

User approved ignoring U-Turning movement.












\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 73: Kearny Villa Rd & Black Mountain Rd & Carroll Center Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	144	32	26	68	75	30	163	131	56	47	490	1006
Future Volume (veh/h)	144	32	26	68	75	30	163	131	56	47	490	1006
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	1856	1856	1870	1870	1870	1870	1870	1796	1856	1856	1856
Adj Flow Rate, veh/h	160	36	29	93	103	41	187	151	64	50	521	1070
Peak Hour Factor	0.90	0.90	0.90	0.73	0.73	0.73	0.87	0.87	0.87	0.94	0.94	0.94
Percent Heavy Veh, %	3	3	3	2	2	2	2	2	2	3	3	3
Cap, veh/h	232	189	158	119	255	97	221	2111	883	64	1785	890
Arrive On Green	0.07	0.10	0.10	0.07	0.10	0.10	0.12	0.59	0.59	0.04	0.51	0.51
Sat Flow, veh/h	3428	1856	1546	1781	2518	954	1781	3554	1487	1767	3526	1548
Grp Volume(v), veh/h	160	36	29	93	71	73	187	151	64	50	521	1070
Grp Sat Flow(s),veh/h/ln	1714	1856	1546	1781	1777	1695	1781	1777	1487	1767	1763	1548
Q Serve(g_s), s	4.6	1.8	1.7	5.1	3.7	4.0	10.2	1.8	1.8	2.8	8.5	50.5
Cycle Q Clear(g_c), s	4.6	1.8	1.7	5.1	3.7	4.0	10.2	1.8	1.8	2.8	8.5	50.5
Prop In Lane	1.00		1.00	1.00		0.56	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	232	189	158	119	180	172	221	2111	883	64	1785	890
V/C Ratio(X)	0.69	0.19	0.18	0.78	0.40	0.42	0.85	0.07	0.07	0.78	0.29	1.20
Avail Cap(c_a), veh/h	1375	1101	917	536	891	850	536	2111	883	531	1785	890
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	45.5	41.0	41.0	45.8	42.0	42.1	42.7	8.6	8.6	47.7	14.3	21.3
Incr Delay (d2), s/veh	1.4	0.4	0.5	4.1	2.4	2.8	3.4	0.0	0.1	7.3	0.2	101.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.8	0.7	2.4	1.8	1.8	4.6	0.6	0.6	1.3	3.2	43.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	46.8	41.5	41.5	49.9	44.4	44.9	46.1	8.6	8.6	54.9	14.5	122.8
LnGrp LOS	D	D	D	D	D	D	D	A	A	D	B	F
Approach Vol, veh/h	225			237			402			1641		
Approach Delay, s/veh	45.3			46.7			26.1			86.3		
Approach LOS	D			D			C			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	64.8	11.1	15.9	16.8	56.0	11.2	15.8					
Change Period (Y+Rc), s	4.4	5.5	4.4	5.7	4.4	* 5.5	4.4	* 5.7				
Max Green Setting (Gmax), s	30.0	49.9	30.0	59.2	30.0	* 51	40.0	* 50				
Max Q Clear Time (g_c+I), s	11.8	3.8	7.1	3.8	12.2	52.5	6.6	6.0				
Green Ext Time (p_c), s	0.0	2.0	0.1	0.3	0.2	0.0	0.3	1.5				

### Intersection Summary

HCM 6th Ctrl Delay 69.2  
HCM 6th LOS E

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



HCM 6th TWSC  
74: Kearny Villa Rd & Kearny Mesa Rd




















Existing  
Timing Plan: AM Peak

Intersection						
Int Delay, s/veh	0					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑↑	↑↑			↑
Traffic Vol, veh/h	0	625	1289	185	0	1
Future Vol, veh/h	0	625	1289	185	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	92	92	25	25
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	665	1401	201	0	4
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	-	0	-	0	-	801
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.32
Pot Cap-1 Maneuver	0	-	-	-	0	327
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	-	-	-	-	-	327
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		16.1		
HCM LOS				C		
Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1		
Capacity (veh/h)	-	-	-	327		
HCM Lane V/C Ratio	-	-	-	0.012		
HCM Control Delay (s)	-	-	-	16.1		
HCM Lane LOS	-	-	-	C		
HCM 95th %tile Q(veh)	-	-	-	0		

# HCM 6th Signalized Intersection Summary

## 75: Black Mountain Rd & Activity Rd

Existing  
Timing Plan: AM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	128	5	120	2	1	0	172	87	4	7	264	912
Future Volume (veh/h)	128	5	120	2	1	0	172	87	4	7	264	912
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	137	8	130	3	1	0	191	97	4	8	284	981
Peak Hour Factor	0.92	0.92	0.92	0.75	0.75	0.75	0.90	0.90	0.90	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	199	10	168	6	2	0	224	2390	98	14	1012	882
Arrive On Green	0.11	0.11	0.11	0.00	0.00	0.00	0.13	0.69	0.69	0.01	0.57	0.57
Sat Flow, veh/h	1781	92	1503	1352	451	0	1767	3448	141	1767	1763	1535
Grp Volume(v), veh/h	137	0	138	4	0	0	191	49	52	8	284	981
Grp Sat Flow(s),veh/h/ln	1781	0	1595	1803	0	0	1767	1763	1826	1767	1763	1535
Q Serve(g_s), s	7.7	0.0	8.8	0.2	0.0	0.0	11.1	0.9	0.9	0.5	8.5	60.0
Cycle Q Clear(g_c), s	7.7	0.0	8.8	0.2	0.0	0.0	11.1	0.9	0.9	0.5	8.5	60.0
Prop In Lane	1.00		0.94	0.75		0.00	1.00		0.08	1.00		1.00
Lane Grp Cap(c), veh/h	199	0	179	8	0	0	224	1222	1266	14	1012	882
V/C Ratio(X)	0.69	0.00	0.77	0.53	0.00	0.00	0.85	0.04	0.04	0.57	0.28	1.11
Avail Cap(c_a), veh/h	682	0	611	518	0	0	507	1222	1266	507	1012	882
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	44.6	0.0	45.1	51.9	0.0	0.0	44.7	5.1	5.1	51.6	11.3	22.2
Incr Delay (d2), s/veh	1.6	0.0	2.7	19.6	0.0	0.0	3.6	0.0	0.0	24.3	0.1	66.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	0.0	3.6	0.1	0.0	0.0	5.0	0.3	0.3	0.3	3.2	35.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	46.2	0.0	47.8	71.5	0.0	0.0	48.2	5.1	5.1	75.9	11.4	88.3
LnGrp LOS	D	A	D	E	A	A	D	A	A	E	B	F
Approach Vol, veh/h	275			4			292			1273		
Approach Delay, s/veh	47.0			71.5			33.3			71.1		
Approach LOS	D			E			C			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	5.2	77.3		16.6	17.6	64.9		5.3				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		30.0				
Max Q Clear Time (g_c+I1), s	2.5	2.9		10.8	13.1	62.0		2.2				
Green Ext Time (p_c), s	0.0	0.8		0.7	0.2	0.0		0.0				
Intersection Summary												
HCM 6th Ctrl Delay	61.5											
HCM 6th LOS	E											
Notes												

# HCM 6th Signalized Intersection Summary

## 76: Westview Pkwy & Mira Lee Way

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕	↕	↕	↕	↕	↕	↕	↕
Traffic Volume (veh/h)	51	18	43	534	18	66	39	259	91	20	704	5
Future Volume (veh/h)	51	18	43	534	18	66	39	259	91	20	704	5
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.82	1.00		0.82	1.00		0.95	1.00		0.89
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	73	26	61	601	0	73	44	291	102	23	819	6
Peak Hour Factor	0.70	0.70	0.70	0.91	0.91	0.91	0.89	0.89	0.89	0.86	0.86	0.86
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	167	60	140	834	0	305	57	1158	492	33	1130	8
Arrive On Green	0.23	0.23	0.23	0.23	0.00	0.23	0.03	0.33	0.33	0.02	0.31	0.31
Sat Flow, veh/h	717	256	600	3563	0	1303	1781	3554	1509	1781	3612	26
Grp Volume(v), veh/h	160	0	0	601	0	73	44	291	102	23	403	422
Grp Sat Flow(s),veh/h/ln	572	0	0	1781	0	1303	1781	1777	1509	1781	1777	1862
Q Serve(g_s), s	9.0	0.0	0.0	16.1	0.0	4.7	2.5	6.2	5.1	1.3	20.9	20.9
Cycle Q Clear(g_c), s	9.0	0.0	0.0	16.1	0.0	4.7	2.5	6.2	5.1	1.3	20.9	20.9
Prop In Lane	0.46		0.38	1.00		1.00	1.00		1.00	1.00		0.01
Lane Grp Cap(c), veh/h	367	0	0	834	0	305	57	1158	492	33	556	582
V/C Ratio(X)	0.44	0.00	0.00	0.72	0.00	0.24	0.78	0.25	0.21	0.69	0.72	0.72
Avail Cap(c_a), veh/h	607	0	0	1375	0	503	515	2057	873	515	1028	1078
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.9	0.0	0.0	36.6	0.0	32.2	49.8	25.7	25.3	50.6	31.7	31.7
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.4	0.0	0.1	8.3	0.2	0.3	9.1	3.0	2.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	0.0	0.0	7.0	0.0	1.5	1.2	2.6	1.8	0.7	9.0	9.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.8	0.0	0.0	37.0	0.0	32.4	58.1	25.8	25.6	59.7	34.6	34.5
LnGrp LOS	C	A	A	D	A	C	E	C	C	E	C	C
Approach Vol, veh/h	160			674			437			848		
Approach Delay, s/veh	34.8			36.5			29.0			35.2		
Approach LOS	C			D			C			D		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	39.1			29.1	7.7	37.7		29.2				
Change Period (Y+Rc), s	4.4	5.3		4.9	4.4	5.3		4.9				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+I), s	8.2			11.0	4.5	22.9		18.1				
Green Ext Time (p_c), s	0.0	3.9		1.0	0.0	9.5		1.4				

### Intersection Summary

HCM 6th Ctrl Delay 34.3  
HCM 6th LOS C

### Notes

User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 77: Westview Pkwy & Galvin Ave

Existing  
Timing Plan: AM Peak



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	LT	RT	LT	TH	TH	LT
Traffic Volume (veh/h)	138	237	148	323	1152	104
Future Volume (veh/h)	138	237	148	323	1152	104
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1575	1900	1870	1870	1870	1870
Adj Flow Rate, veh/h	179	308	174	380	1239	112
Peak Hour Factor	0.77	0.77	0.85	0.85	0.93	0.93
Percent Heavy Veh, %	2	0	2	2	2	2
Cap, veh/h	346	371	211	2319	1741	741
Arrive On Green	0.23	0.23	0.12	0.65	0.49	0.49
Sat Flow, veh/h	1500	1610	1781	3647	3647	1513
Grp Volume(v), veh/h	179	308	174	380	1239	112
Grp Sat Flow(s), veh/h/ln	1500	1610	1781	1777	1777	1513
Q Serve(g_s), s	9.4	16.4	8.6	3.7	24.6	3.7
Cycle Q Clear(g_c), s	9.4	16.4	8.6	3.7	24.6	3.7
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	346	371	211	2319	1741	741
V/C Ratio(X)	0.52	0.83	0.83	0.16	0.71	0.15
Avail Cap(c_a), veh/h	834	895	594	3676	2372	1009
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.2	32.9	38.7	6.1	18.0	12.6
Incr Delay (d2), s/veh	1.5	6.1	3.1	0.1	0.9	0.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	3.4	0.6	3.8	1.2	9.2	1.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	31.8	39.0	41.8	6.1	18.9	12.8
LnGrp LOS	C	D	D	A	B	B
Approach Vol, veh/h	487			554	1351	
Approach Delay, s/veh	36.3			17.3	18.4	
Approach LOS	D			B	B	
Timer - Assigned Phs	2			4	5	6
Phs Duration (G+Y+Rc), s	64.7			25.2	14.6	50.0
Change Period (Y+Rc), s	6.0			4.5	4.0	* 6
Max Green Setting (Gmax), s	93.0			50.0	30.0	* 60
Max Q Clear Time (g_c+I1), s	5.7			18.4	10.6	26.6
Green Ext Time (p_c), s	4.2			2.4	0.2	17.5
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			21.8			
HCM 6th LOS			C			

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

78: I-15 NB Off-ramp/I-15 NB On-ramp & Carroll Canyon Rd

Existing

Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰	↱			↰	↱	↰	↱	↰			
Traffic Volume (veh/h)	239	488	0	0	775	166	615	0	684	0	0	0
Future Volume (veh/h)	239	488	0	0	775	166	615	0	684	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1885	1885	0	0	1885	1885	1870	1870	1870			
Adj Flow Rate, veh/h	275	561	0	0	807	173	3354	0	1778			
Peak Hour Factor	0.87	0.87	0.87	0.96	0.96	0.96	0.25	0.25	0.25			
Percent Heavy Veh, %	1	1	0	0	1	1	2	2	2			
Cap, veh/h	304	1942	0	0	936	201	1227	0	546			
Arrive On Green	0.34	1.00	0.00	0.00	0.32	0.32	0.34	0.00	0.34			
Sat Flow, veh/h	1795	3676	0	0	3013	626	3563	0	1585			
Grp Volume(v), veh/h	275	561	0	0	495	485	3354	0	1778			
Grp Sat Flow(s),veh/h/ln	1795	1791	0	0	1791	1753	1781	0	1585			
Q Serve(g_s), s	13.1	0.0	0.0	0.0	23.4	23.4	31.0	0.0	31.0			
Cycle Q Clear(g_c), s	13.1	0.0	0.0	0.0	23.4	23.4	31.0	0.0	31.0			
Prop In Lane	1.00		0.00	0.00		0.36	1.00		1.00			
Lane Grp Cap(c), veh/h	304	1942	0	0	574	562	1227	0	546			
V/C Ratio(X)	0.90	0.29	0.00	0.00	0.86	0.86	2.73	0.00	3.26			
Avail Cap(c_a), veh/h	359	1942	0	0	574	562	1227	0	546			
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(l)	0.27	0.27	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	29.1	0.0	0.0	0.0	28.7	28.7	29.5	0.0	29.5			
Incr Delay (d2), s/veh	7.3	0.1	0.0	0.0	15.7	16.0	782.3	0.0	1020.2			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	0.0	12.0	11.8	146.0	0.0	166.0			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	36.4	0.1	0.0	0.0	44.4	44.7	811.8	0.0	1049.7			
LnGrp LOS	D	A	A	A	D	D	F	A	F			
Approach Vol, veh/h	836			980			5132					
Approach Delay, s/veh	12.0			44.5			894.2					
Approach LOS	B			D			F					
Timer - Assigned Phs	2			5			6			8		
Phs Duration (G+Y+Rc), s	53.9			19.9			34.0			36.1		
Change Period (Y+Rc), s	5.1			* 4.7			5.1			5.1		
Max Green Setting (Gmax), s	48.8			* 18			26.1			31.0		
Max Q Clear Time (g_c+l1), s	2.0			15.1			25.4			33.0		
Green Ext Time (p_c), s	4.2			0.1			0.5			0.0		

## Intersection Summary

HCM 6th Ctrl Delay 668.2

HCM 6th LOS F

## Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 79: I-15 SB On-ramp/I-15 SB Off-ramp & Carroll Canyon Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑		↖	↑↑					↖	↑↑	↗
Traffic Volume (veh/h)	0	400	386	331	1058	0	0	0	0	311	3	394
Future Volume (veh/h)	0	400	386	331	1058	0	0	0	0	311	3	394
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1885	1885	1885	1885	0				1870	1870	1870
Adj Flow Rate, veh/h	0	421	406	368	1176	0				1253	0	1576
Peak Hour Factor	0.95	0.95	0.95	0.90	0.90	0.90				0.25	0.25	0.25
Percent Heavy Veh, %	0	1	1	1	1	0				2	2	2
Cap, veh/h	0	478	420	400	1942	0				1227	0	546
Arrive On Green	0.00	0.27	0.27	0.30	0.72	0.00				0.34	0.00	0.34
Sat Flow, veh/h	0	1885	1571	1795	3676	0				3563	0	1585
Grp Volume(v), veh/h	0	421	406	368	1176	0				1253	0	1576
Grp Sat Flow(s),veh/h/ln	0	1791	1571	1795	1791	0				1781	0	1585
Q Serve(g_s), s	0.0	20.3	23.0	17.8	14.6	0.0				31.0	0.0	31.0
Cycle Q Clear(g_c), s	0.0	20.3	23.0	17.8	14.6	0.0				31.0	0.0	31.0
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	478	420	400	1942	0				1227	0	546
V/C Ratio(X)	0.00	0.88	0.97	0.92	0.61	0.00				1.02	0.00	2.89
Avail Cap(c_a), veh/h	0	478	420	461	1942	0				1227	0	546
HCM Platoon Ratio	1.00	1.00	1.00	1.33	1.33	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	0.90	0.90	0.09	0.09	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	31.6	32.6	30.9	7.8	0.0				29.5	0.0	29.5
Incr Delay (d2), s/veh	0.0	18.5	34.4	2.7	0.1	0.0				31.1	0.0	854.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	10.8	12.3	7.1	3.8	0.0				17.9	0.0	140.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	50.1	67.0	33.6	7.9	0.0				60.6	0.0	883.5
LnGrp LOS	A	D	E	C	A	A				F	A	F
Approach Vol, veh/h		827			1544						2829	
Approach Delay, s/veh		58.4			14.0						519.0	
Approach LOS		E			B						F	
Timer - Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	24.8	29.1		36.1		53.9						
Change Period (Y+Rc), s	4.7	5.1		5.1		5.1						
Max Green Setting (Gmax), s	23	21.0		31.0		48.8						
Max Q Clear Time (g_c+1),s	19.8	25.0		33.0		16.6						
Green Ext Time (p_c), s	0.2	0.0		0.0		10.3						

### Intersection Summary

HCM 6th Ctrl Delay 295.8  
HCM 6th LOS F

### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary 80: Kearny Mesa Rd & Miramar Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	24	897	31	22	2235	19	160	19	94	25	3	19
Future Volume (veh/h)	24	897	31	22	2235	19	160	19	94	25	3	19
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1724	1796	1796	1724	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	26	986	34	22	2258	19	180	21	106	30	4	23
Peak Hour Factor	0.91	0.91	0.91	0.99	0.99	0.99	0.89	0.89	0.89	0.84	0.84	0.84
Percent Heavy Veh, %	7	7	7	7	7	7	2	2	2	2	2	2
Cap, veh/h	196	2756	804	196	2736	798	45	0	359	45	3	359
Arrive On Green	0.15	0.75	0.75	0.04	0.18	0.18	0.23	0.23	0.23	0.23	0.23	0.23
Sat Flow, veh/h	1711	4904	1431	1711	4904	1430	0	0	1583	0	15	1583
Grp Volume(v), veh/h	26	986	34	22	2258	19	201	0	106	34	0	23
Grp Sat Flow(s),veh/h/ln	1711	1635	1431	1711	1635	1430	0	0	1583	15	0	1583
Q Serve(g_s), s	2.0	10.4	0.9	1.9	66.4	1.6	0.0	0.0	8.3	0.0	0.0	1.7
Cycle Q Clear(g_c), s	2.0	10.4	0.9	1.9	66.4	1.6	34.0	0.0	8.3	34.0	0.0	1.7
Prop In Lane	1.00		1.00	1.00		1.00	0.90		1.00	0.88		1.00
Lane Grp Cap(c), veh/h	196	2756	804	196	2736	798	45	0	359	49	0	359
V/C Ratio(X)	0.13	0.36	0.04	0.11	0.83	0.02	4.42	0.00	0.30	0.70	0.00	0.06
Avail Cap(c_a), veh/h	196	2756	804	196	2736	798	45	0	359	49	0	359
HCM Platoon Ratio	1.33	1.33	1.33	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.94	0.94	0.94	0.28	0.28	0.28	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	57.1	9.6	8.4	64.8	54.2	27.7	75.0	0.0	48.1	71.7	0.0	45.5
Incr Delay (d2), s/veh	0.1	0.3	0.1	0.0	0.9	0.0	1587.8	0.0	0.2	31.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	3.3	0.3	0.8	29.3	0.5	21.8	0.0	3.3	1.7	0.0	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	57.2	10.0	8.5	64.8	55.0	27.7	1662.8	0.0	48.2	103.4	0.0	45.5
LnGrp LOS	E	A	A	E	E	C	F	A	D	F	A	D
Approach Vol, veh/h	1046			2299			307			57		
Approach Delay, s/veh	11.1			54.9			1105.3			80.0		
Approach LOS	B			D			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	21.6	89.5		38.9	21.6	89.5		38.9				
Change Period (Y+Rc), s	4.4	5.2		4.9	4.4	5.8		4.9				
Max Green Setting (Gmax), s	100.0	84.3		34.0	17.2	83.7		34.0				
Max Q Clear Time (g_c+I), s	12.4			36.0	4.0	68.4		36.0				
Green Ext Time (p_c), s	0.0	12.6		0.0	0.0	12.9		0.0				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay	129.9											
HCM 6th LOS	F											

# HCM 6th Signalized Intersection Summary

## 81: Camino Santa Fe & Top Gun St

Existing  
Timing Plan: AM Peak



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	70	97	182	238	391	446
Future Volume (veh/h)	70	97	182	238	391	446
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	89	123	194	253	425	485
Peak Hour Factor	0.79	0.79	0.94	0.94	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	206	184	250	2299	1472	641
Arrive On Green	0.12	0.12	0.14	0.65	0.41	0.41
Sat Flow, veh/h	1781	1585	1781	3647	3647	1547
Grp Volume(v), veh/h	89	123	194	253	425	485
Grp Sat Flow(s), veh/h/ln	1781	1585	1781	1777	1777	1547
Q Serve(g_s), s	2.2	3.5	5.0	1.3	3.8	12.7
Cycle Q Clear(g_c), s	2.2	3.5	5.0	1.3	3.8	12.7
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	206	184	250	2299	1472	641
V/C Ratio(X)	0.43	0.67	0.78	0.11	0.29	0.76
Avail Cap(c_a), veh/h	1496	1331	1122	7052	4477	1949
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.6	20.2	19.7	3.2	9.3	11.9
Incr Delay (d2), s/veh	0.5	1.6	2.0	0.0	0.1	1.9
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.9	0.1	1.8	0.2	1.0	3.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	20.1	21.8	21.7	3.2	9.4	13.8
LnGrp LOS	C	C	C	A	A	B
Approach Vol, veh/h	212			447	910	
Approach Delay, s/veh	21.1			11.2	11.8	
Approach LOS	C			B	B	
Timer - Assigned Phs	2			4	5	6
Phs Duration (G+Y+Rc), s	37.2			10.4	11.1	26.1
Change Period (Y+Rc), s	* 6.4			4.9	4.4	6.4
Max Green Setting (Gmax), s	* 95			40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s	3.3			5.5	7.0	14.7
Green Ext Time (p_c), s	2.0			0.3	0.2	5.0

### Intersection Summary

HCM 6th Ctrl Delay 12.9

HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 82: Camino Santa Fe & Miratech Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	0	3	0	0	0	29	186	0	0	947	186
Future Volume (veh/h)	15	0	3	0	0	0	29	186	0	0	947	186
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	32	0	4	0	0	0	31	198	0	0	1089	214
Peak Hour Factor	0.50	0.50	0.50	0.25	0.25	0.25	0.94	0.94	0.94	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	0	2	2	2
Cap, veh/h	209	0	93	0	5	0	102	3299	0	5	2540	778
Arrive On Green	0.06	0.00	0.06	0.00	0.00	0.00	0.03	0.65	0.00	0.00	0.50	0.50
Sat Flow, veh/h	3563	0	1585	0	1870	0	3456	5274	0	1781	5106	1564
Grp Volume(v), veh/h	32	0	4	0	0	0	31	198	0	0	1089	214
Grp Sat Flow(s),veh/h/ln	1781	0	1585	0	1870	0	1728	1702	0	1781	1702	1564
Q Serve(g_s), s	0.3	0.0	0.1	0.0	0.0	0.0	0.3	0.5	0.0	0.0	5.0	2.9
Cycle Q Clear(g_c), s	0.3	0.0	0.1	0.0	0.0	0.0	0.3	0.5	0.0	0.0	5.0	2.9
Prop In Lane	1.00		1.00	0.00		0.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	209	0	93	0	5	0	102	3299	0	5	2540	778
V/C Ratio(X)	0.15	0.00	0.04	0.00	0.00	0.00	0.30	0.06	0.00	0.00	0.43	0.28
Avail Cap(c_a), veh/h	3861	0	1718	0	1824	0	2809	8301	0	1448	8301	2543
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	16.5	0.0	16.4	0.0	0.0	0.0	17.5	2.4	0.0	0.0	5.9	5.4
Incr Delay (d2), s/veh	0.1	0.0	0.1	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	16.6	0.0	16.5	0.0	0.0	0.0	18.2	2.4	0.0	0.0	6.1	5.6
LnGrp LOS	B	A	B	A	A	A	B	A	A	A	A	A
Approach Vol, veh/h	36			0			229			1303		
Approach Delay, s/veh	16.6			0.0			4.5			6.0		
Approach LOS	B						A			A		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	29.8			7.1	5.5	24.4		0.0				
Change Period (Y+Rc), s	4.4	6.0		4.9	4.4	6.0		4.4				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		36.0				
Max Q Clear Time (g_c+I), s	10.0	2.5		2.3	2.3	7.0		0.0				
Green Ext Time (p_c), s	0.0	1.5		0.0	0.0	11.3		0.0				

### Intersection Summary

HCM 6th Ctrl Delay	6.0
HCM 6th LOS	A

### Notes








User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 83: Camino Santa Fe & Summers Ridge Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	0	11	0	0	0	75	213	0	1	922	17
Future Volume (veh/h)	1	0	11	0	0	0	75	213	0	1	922	17
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No						No			No		
Adj Sat Flow, veh/h/ln	1870	0	1870				1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	1	0	15				77	220	0	1	1048	19
Peak Hour Factor	0.75	0.75	0.75				0.97	0.97	0.97	0.88	0.88	0.88
Percent Heavy Veh, %	2	0	2				2	2	0	2	2	2
Cap, veh/h	51	0	80				208	2673	0	5	2371	720
Arrive On Green	0.03	0.00	0.03				0.06	0.52	0.00	0.00	0.46	0.46
Sat Flow, veh/h	1781	0	2790				3456	5274	0	1781	5106	1550
Grp Volume(v), veh/h	1	0	15				77	220	0	1	1048	19
Grp Sat Flow(s),veh/h/ln	1781	0	1395				1728	1702	0	1781	1702	1550
Q Serve(g_s), s	0.0	0.0	0.2				0.8	0.8	0.0	0.0	4.9	0.2
Cycle Q Clear(g_c), s	0.0	0.0	0.2				0.8	0.8	0.0	0.0	4.9	0.2
Prop In Lane	1.00		1.00				1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	51	0	80				208	2673	0	5	2371	720
V/C Ratio(X)	0.02	0.00	0.19				0.37	0.08	0.00	0.20	0.44	0.03
Avail Cap(c_a), veh/h	2027	0	3175				2949	8774	0	1520	8716	2647
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	16.6	0.0	16.7				15.9	4.2	0.0	17.5	6.3	5.1
Incr Delay (d2), s/veh	0.1	0.0	0.4				0.4	0.0	0.0	6.9	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0				0.2	0.1	0.0	0.0	0.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	16.6	0.0	17.1				16.3	4.2	0.0	24.4	6.5	5.1
LnGrp LOS	B	A	B				B	A	A	C	A	A
Approach Vol, veh/h	16						297			1068		
Approach Delay, s/veh	17.1						7.3			6.5		
Approach LOS	B						A			A		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	4.4	24.8		5.9	6.5	22.7						
Change Period (Y+Rc), s	4.4	* 6.4		4.9	4.4	6.4						
Max Green Setting (Gmax), s	30.0	* 60		40.0	30.0	60.0						
Max Q Clear Time (g_c+I), s	12.0	2.8		2.2	2.8	6.9						
Green Ext Time (p_c), s	0.0	1.7		0.0	0.1	9.4						

### Intersection Summary

HCM 6th Ctrl Delay 6.8  
HCM 6th LOS A

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 84: Camino Santa Fe & Trade St

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕		↕	↕	↕	↕	↕	↕
Traffic Volume (veh/h)	2	0	1	145	7	55	15	240	143	115	828	12
Future Volume (veh/h)	2	0	1	145	7	55	15	240	143	115	828	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	5	0	3	116	73	62	16	258	154	125	900	13
Peak Hour Factor	0.38	0.38	0.38	0.89	0.89	0.89	0.93	0.93	0.93	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	9	0	5	256	134	114	28	1334	581	163	1603	714
Arrive On Green	0.01	0.00	0.01	0.14	0.14	0.14	0.02	0.38	0.38	0.09	0.45	0.45
Sat Flow, veh/h	1064	0	638	1781	934	793	1781	3554	1548	1781	3554	1583
Grp Volume(v), veh/h	8	0	0	116	0	135	16	258	154	125	900	13
Grp Sat Flow(s),veh/h/ln	1702	0	0	1781	0	1728	1781	1777	1548	1781	1777	1583
Q Serve(g_s), s	0.2	0.0	0.0	3.1	0.0	3.8	0.5	2.6	3.6	3.6	9.7	0.2
Cycle Q Clear(g_c), s	0.2	0.0	0.0	3.1	0.0	3.8	0.5	2.6	3.6	3.6	9.7	0.2
Prop In Lane	0.62		0.37	1.00		0.46	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	14	0	0	256	0	248	28	1334	581	163	1603	714
V/C Ratio(X)	0.56	0.00	0.00	0.45	0.00	0.54	0.57	0.19	0.26	0.77	0.56	0.02
Avail Cap(c_a), veh/h	1303	0	0	1330	0	1290	1023	4081	1778	1023	4081	1818
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.8	0.0	0.0	20.5	0.0	20.8	25.5	11.0	11.3	23.2	10.5	7.9
Incr Delay (d2), s/veh	12.1	0.0	0.0	2.1	0.0	3.0	6.5	0.1	0.4	2.8	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	0.0	1.3	0.0	1.5	0.2	0.8	1.0	1.4	2.6	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	37.9	0.0	0.0	22.5	0.0	23.8	32.0	11.1	11.7	26.0	11.0	8.0
LnGrp LOS	D	A	A	C	A	C	C	B	B	C	B	A
Approach Vol, veh/h	8			251			428			1038		
Approach Delay, s/veh	37.9			23.2			12.1			12.8		
Approach LOS	D			C			B			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	24.9			5.3	5.2	28.9		12.8				
Change Period (Y+Rc), s	4.4	5.3		4.9	4.4	5.3		5.3				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		39.0				
Max Q Clear Time (g_c+Ib), s	5.6			2.2	2.5	11.7		5.8				
Green Ext Time (p_c), s	0.1	3.9		0.0	0.0	11.8		1.9				

### Intersection Summary

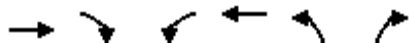
HCM 6th Ctrl Delay 14.3  
HCM 6th LOS B

### Notes

User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary 85: Nancy Ridge Rd & Carroll Canyon Rd

Existing  
Timing Plan: AM Peak



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑↱		↱	↑↑	↱	↱
Traffic Volume (veh/h)	596	252	37	149	62	13
Future Volume (veh/h)	596	252	37	149	62	13
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1870	1870
Adj Flow Rate, veh/h	641	271	45	182	83	17
Peak Hour Factor	0.93	0.93	0.82	0.82	0.75	0.75
Percent Heavy Veh, %	1	1	1	1	2	2
Cap, veh/h	1151	487	432	2232	121	108
Arrive On Green	0.47	0.47	0.04	0.62	0.07	0.07
Sat Flow, veh/h	2547	1037	1795	3676	1781	1585
Grp Volume(v), veh/h	468	444	45	182	83	17
Grp Sat Flow(s),veh/h/ln	1791	1699	1795	1791	1781	1585
Q Serve(g_s), s	7.2	7.2	0.4	0.8	1.8	0.4
Cycle Q Clear(g_c), s	7.2	7.2	0.4	0.8	1.8	0.4
Prop In Lane		0.61	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	840	797	432	2232	121	108
V/C Ratio(X)	0.56	0.56	0.10	0.08	0.68	0.16
Avail Cap(c_a), veh/h	2787	2644	1758	8771	1848	1645
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.3	7.4	5.0	2.9	17.6	16.9
Incr Delay (d2), s/veh	0.7	0.8	0.0	0.0	2.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	1.4	0.1	0.0	0.7	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	8.1	8.1	5.0	2.9	20.1	17.2
LnGrp LOS	A	A	A	A	C	B
Approach Vol, veh/h	912			227	100	
Approach Delay, s/veh	8.1			3.3	19.6	
Approach LOS	A			A	B	
Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	5.9	24.1			30.0	8.5
Change Period (Y+Rc), s	4.4	6.0			6.0	5.9
Max Green Setting (Gmax), s	30.0	60.0			94.4	40.0
Max Q Clear Time (g_c+I), s	17.4	9.2			2.8	3.8
Green Ext Time (p_c), s	0.0	8.9			1.5	0.1
Intersection Summary						
HCM 6th Ctrl Delay			8.2			
HCM 6th LOS			A			



# HCM 6th Signalized Intersection Summary

## 86: Rehco Rd & Carroll Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	308	8	44	599	188	4	3	7	37	1	13
Future Volume (veh/h)	50	308	8	44	599	188	4	3	7	37	1	13
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	0.99		0.99	0.99		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	61	376	10	52	713	224	7	5	12	49	1	17
Peak Hour Factor	0.82	0.82	0.82	0.84	0.84	0.84	0.58	0.58	0.58	0.75	0.75	0.75
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	420	1047	863	694	1047	863	200	30	70	304	2	31
Arrive On Green	0.56	0.56	0.56	0.56	0.56	0.56	0.08	0.08	0.08	0.08	0.08	0.08
Sat Flow, veh/h	597	1870	1543	994	1870	1542	480	369	849	1086	22	377
Grp Volume(v), veh/h	61	376	10	52	713	224	24	0	0	67	0	0
Grp Sat Flow(s),veh/h/ln	597	1870	1543	994	1870	1542	1699	0	0	1484	0	0
Q Serve(g_s), s	2.4	3.2	0.1	0.9	7.9	2.2	0.0	0.0	0.0	0.9	0.0	0.0
Cycle Q Clear(g_c), s	10.2	3.2	0.1	4.1	7.9	2.2	0.4	0.0	0.0	1.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.29		0.50	0.73		0.25
Lane Grp Cap(c), veh/h	420	1047	863	694	1047	863	300	0	0	337	0	0
V/C Ratio(X)	0.15	0.36	0.01	0.07	0.68	0.26	0.08	0.00	0.00	0.20	0.00	0.00
Avail Cap(c_a), veh/h	1114	3220	2656	1829	3182	2622	1785	0	0	1697	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.2	3.5	2.8	4.7	4.6	3.3	12.4	0.0	0.0	12.8	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.2	0.0	0.0	0.7	0.1	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.1	0.0	0.1	0.7	0.1	0.1	0.0	0.0	0.3	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.3	3.7	2.8	4.7	5.3	3.4	12.4	0.0	0.0	12.9	0.0	0.0
LnGrp LOS	A	A	A	A	A	A	B	A	A	B	A	A
Approach Vol, veh/h	447			989			24			67		
Approach Delay, s/veh	4.3			4.8			12.4			12.9		
Approach LOS	A			A			B			B		
Timer - Assigned Phs	2			4			6			8		
Phs Duration (G+Y+Rc), s	21.8			7.3			21.8			7.3		
Change Period (Y+Rc), s	* 5.5			4.9			5.5			4.9		
Max Green Setting (Gmax), s	* 50			30.0			49.4			30.0		
Max Q Clear Time (g_c+l1), s	12.2			3.2			9.9			2.4		
Green Ext Time (p_c), s	2.7			0.2			6.3			0.0		

### Intersection Summary

HCM 6th Ctrl Delay	5.1
HCM 6th LOS	A

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 87: Carroll Rd & Kenamar Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔	↔	↔	↑	↔	↔	↑	↔
Traffic Volume (veh/h)	0	0	2	113	1	7	2	519	185	29	163	3
Future Volume (veh/h)	0	0	2	113	1	7	2	519	185	29	163	3
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.97	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	0	0	4	141	1	9	2	546	195	36	204	4
Peak Hour Factor	0.50	0.50	0.50	0.80	0.80	0.80	0.95	0.95	0.95	0.80	0.80	0.80
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	0	0	7	209	1	186	5	783	831	59	841	708
Arrive On Green	0.00	0.00	0.00	0.12	0.12	0.12	0.00	0.42	0.42	0.03	0.45	0.45
Sat Flow, veh/h	0	0	1576	1769	13	1572	1781	1870	1538	1781	1870	1574
Grp Volume(v), veh/h	0	0	4	142	0	9	2	546	195	36	204	4
Grp Sat Flow(s), veh/h/ln	0	0	1576	1782	0	1572	1781	1870	1538	1781	1870	1574
Q Serve(g_s), s	0.0	0.0	0.1	3.0	0.0	0.2	0.0	9.3	2.6	0.8	2.6	0.1
Cycle Q Clear(g_c), s	0.0	0.0	0.1	3.0	0.0	0.2	0.0	9.3	2.6	0.8	2.6	0.1
Prop In Lane	0.00		1.00	0.99		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	0	0	7	211	0	186	5	783	831	59	841	708
V/C Ratio(X)	0.00	0.00	0.58	0.67	0.00	0.05	0.44	0.70	0.23	0.61	0.24	0.01
Avail Cap(c_a), veh/h	0	0	1625	1838	0	1621	1378	2894	2567	1378	2894	2436
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	0.0	19.3	16.4	0.0	15.2	19.3	9.3	4.8	18.5	6.6	5.9
Incr Delay (d2), s/veh	0.0	0.0	25.9	1.4	0.0	0.0	22.3	1.1	0.1	3.7	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.1	1.1	0.0	0.1	0.0	2.7	0.7	0.3	0.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	45.2	17.8	0.0	15.2	41.6	10.4	4.9	22.2	6.7	5.9
LnGrp LOS	A	A	D	B	A	B	D	B	A	C	A	A
Approach Vol, veh/h	4			151			743			244		
Approach Delay, s/veh	45.2			17.6			9.0			9.0		
Approach LOS	D			B			A			A		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	20.7			4.2	4.1	21.9		8.6				
Change Period (Y+Rc), s	4.0	4.5		4.0	4.0	4.5		4.0				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+I), s	11.3			2.1	2.0	4.6		5.0				
Green Ext Time (p_c), s	0.0	4.7		0.0	0.0	1.2		0.6				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay	10.3											
HCM 6th LOS	B											

# HCM 6th Signalized Intersection Summary 88: Camino Ruiz & Teresa Dr/Capricorn Wy

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔	↔		↔	↔	↔	↔	↔	↔	↔	↔
Traffic Volume (veh/h)	19	60	77	213	41	182	27	416	97	67	419	2
Future Volume (veh/h)	19	60	77	213	41	182	27	416	97	67	419	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.96	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1811	1811	1811	1811	1811	1811
Adj Flow Rate, veh/h	21	67	87	266	51	228	35	540	126	79	493	2
Peak Hour Factor	0.89	0.89	0.89	0.80	0.80	0.80	0.77	0.77	0.77	0.85	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2	6	6	6	6	6	6
Cap, veh/h	59	157	821	88	0	831	48	748	319	102	856	366
Arrive On Green	0.53	0.53	0.53	0.53	0.53	0.53	0.03	0.22	0.22	0.06	0.25	0.25
Sat Flow, veh/h	0	297	1551	0	0	1571	1725	3441	1467	1725	3441	1472
Grp Volume(v), veh/h	88	0	87	317	0	228	35	540	126	79	493	2
Grp Sat Flow(s),veh/h/ln	297	0	1551	0	0	1571	1725	1721	1467	1725	1721	1472
Q Serve(g_s), s	0.0	0.0	2.1	0.0	0.0	6.0	1.5	11.0	5.6	3.4	9.5	0.1
Cycle Q Clear(g_c), s	40.0	0.0	2.1	40.0	0.0	6.0	1.5	11.0	5.6	3.4	9.5	0.1
Prop In Lane	0.24		1.00	0.84		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	216	0	821	88	0	831	48	748	319	102	856	366
V/C Ratio(X)	0.41	0.00	0.11	3.62	0.00	0.27	0.74	0.72	0.40	0.78	0.58	0.01
Avail Cap(c_a), veh/h	216	0	821	88	0	831	685	2732	1165	685	2732	1168
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	16.3	0.0	8.9	37.8	0.0	9.8	36.5	27.5	25.3	35.1	24.9	21.4
Incr Delay (d2), s/veh	0.5	0.0	0.0	1206.0	0.0	0.1	8.0	0.5	0.3	4.8	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.0	0.7	31.0	0.0	1.9	0.7	4.2	1.8	1.5	3.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	16.7	0.0	8.9	1243.8	0.0	9.9	44.4	28.0	25.6	39.8	25.6	21.4
LnGrp LOS	B	A	A	F	A	A	D	C	C	D	C	C
Approach Vol, veh/h	175			545			701			574		
Approach Delay, s/veh	12.8			727.6			28.4			27.5		
Approach LOS	B			F			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	8.9	21.8		44.9	6.5	24.2		44.9				
Change Period (Y+Rc), s	4.4	5.4		4.9	4.4	5.4		4.9				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+Ib), s	13.0			42.0	3.5	11.5		42.0				
Green Ext Time (p_c), s	0.1	2.6		0.0	0.0	3.7		0.0				

## Intersection Summary

HCM 6th Ctrl Delay 217.8

HCM 6th LOS F












## Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary 89: Camino Ruiz & Gold Coast Dr

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	243	142	108	139	124	124	49	283	22	73	655	127
Future Volume (veh/h)	243	142	108	139	124	124	49	283	22	73	655	127
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		0.96	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1550	1841	1841	1550	1841	1841
Adj Flow Rate, veh/h	374	218	166	153	136	136	58	337	26	91	819	159
Peak Hour Factor	0.65	0.65	0.65	0.91	0.91	0.91	0.84	0.84	0.84	0.80	0.80	0.80
Percent Heavy Veh, %	2	2	2	2	2	2	4	4	4	4	4	4
Cap, veh/h	180	445	369	115	165	165	66	979	418	294	1550	667
Arrive On Green	0.10	0.24	0.24	0.06	0.20	0.20	0.04	0.28	0.28	0.20	0.44	0.44
Sat Flow, veh/h	1781	1870	1551	1781	845	845	1476	3497	1492	1476	3497	1504
Grp Volume(v), veh/h	374	218	166	153	0	272	58	337	26	91	819	159
Grp Sat Flow(s),veh/h/ln	1781	1870	1551	1781	0	1691	1476	1749	1492	1476	1749	1504
Q Serve(g_s), s	9.1	9.1	8.2	5.8	0.0	13.9	3.5	6.9	0.9	4.7	15.3	3.7
Cycle Q Clear(g_c), s	9.1	9.1	8.2	5.8	0.0	13.9	3.5	6.9	0.9	4.7	15.3	3.7
Prop In Lane	1.00		1.00	1.00		0.50	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	180	445	369	115	0	331	66	979	418	294	1550	667
V/C Ratio(X)	2.08	0.49	0.45	1.33	0.00	0.82	0.88	0.34	0.06	0.31	0.53	0.24
Avail Cap(c_a), veh/h	180	650	540	115	0	526	66	979	418	294	1550	667
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	40.5	29.6	29.3	42.1	0.0	34.7	42.8	25.8	13.8	30.8	18.2	5.9
Incr Delay (d2), s/veh	503.0	1.1	1.1	197.4	0.0	2.7	70.2	1.0	0.3	0.2	1.3	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	29.1	4.2	3.2	8.8	0.0	5.9	2.5	2.9	0.4	1.6	5.9	2.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	543.5	30.7	30.4	239.5	0.0	37.4	112.9	26.8	14.1	31.0	19.5	6.8
LnGrp LOS	F	C	C	F	A	D	F	C	B	C	B	A
Approach Vol, veh/h	758			425			421			1069		
Approach Delay, s/veh	283.6			110.2			37.9			18.6		
Approach LOS	F			F			D			B		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc),s	33.1	30.4	10.2	26.3	8.4	45.1	14.0	22.5				
Change Period (Y+Rc), s	5.2	* 5.2	4.4	4.9	4.4	5.2	4.9	* 4.9				
Max Green Setting (Gmax),s	25	* 25	5.8	31.3	4.0	30.0	9.1	* 28				
Max Q Clear Time (g_c+I),s	8.9	8.9	7.8	11.1	5.5	17.3	11.1	15.9				
Green Ext Time (p_c), s	0.0	2.4	0.0	2.4	0.0	5.8	0.0	0.9				

## Intersection Summary

HCM 6th Ctrl Delay 111.3

HCM 6th LOS F

## Notes

User approved ignoring U-Turning movement.











\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 90: Westview Pkwy & Capricorn Wy/Dauntless St

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	13	10	288	69	29	15	143	201	30	2	387	42
Future Volume (veh/h)	13	10	288	69	29	15	143	201	30	2	387	42
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.99	1.00		0.99	1.00		0.98	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1796	1870	1870	1796
Adj Flow Rate, veh/h	16	12	360	96	40	21	162	228	34	2	440	48
Peak Hour Factor	0.80	0.80	0.80	0.72	0.72	0.72	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	364	241	485	459	355	186	212	1346	567	4	932	381
Arrive On Green	0.31	0.31	0.31	0.31	0.31	0.31	0.12	0.38	0.38	0.00	0.26	0.26
Sat Flow, veh/h	775	784	1576	1007	1152	605	1781	3554	1496	1781	3554	1452
Grp Volume(v), veh/h	28	0	360	96	0	61	162	228	34	2	440	48
Grp Sat Flow(s),veh/h/ln	1559	0	1576	1007	0	1757	1781	1777	1496	1781	1777	1452
Q Serve(g_s), s	0.0	0.0	9.2	3.3	0.0	1.1	4.0	1.9	0.7	0.1	4.7	1.1
Cycle Q Clear(g_c), s	0.5	0.0	9.2	3.8	0.0	1.1	4.0	1.9	0.7	0.1	4.7	1.1
Prop In Lane	0.57		1.00	1.00		0.34	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	606	0	485	459	0	541	212	1346	567	4	932	381
V/C Ratio(X)	0.05	0.00	0.74	0.21	0.00	0.11	0.77	0.17	0.06	0.51	0.47	0.13
Avail Cap(c_a), veh/h	1490	0	1401	1045	0	1562	1188	4739	1994	1188	4779	1953
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.9	0.0	14.0	12.3	0.0	11.2	19.2	9.3	8.9	22.4	14.0	12.7
Incr Delay (d2), s/veh	0.0	0.0	2.1	0.1	0.0	0.0	2.2	0.1	0.1	32.5	0.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	3.1	0.7	0.0	0.4	1.5	0.6	0.2	0.1	1.5	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	11.0	0.0	16.0	12.4	0.0	11.2	21.4	9.4	8.9	54.9	14.4	12.8
LnGrp LOS	B	A	B	B	A	B	C	A	A	D	B	B
Approach Vol, veh/h	388		157			424			490			
Approach Delay, s/veh	15.7		11.9			13.9			14.4			
Approach LOS	B		B			B			B			
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	4.1	22.5	18.3		9.3	17.3	18.3					
Change Period (Y+Rc), s	4.0	5.5	4.5		4.0	* 5.5	* 4.5					
Max Green Setting (Gmax), s	30.0	60.0	40.0		30.0	* 61	* 40					
Max Q Clear Time (g_c+I),s	12.1	3.9	11.2		6.0	6.7	5.8					
Green Ext Time (p_c), s	0.0	2.3	1.4		0.2	3.6	0.5					

### Intersection Summary

HCM 6th Ctrl Delay 14.3

HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.







HCM 6th AWSC  
91: Camino Ruiz & Aquarius Dr

Existing  
Timing Plan: AM Peak

Intersection

Intersection Delay, s/veh89.4

Intersection LOS F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	7	20	69	92	16	543	0	32	519	68	71	189	0
Future Vol, veh/h	7	20	69	92	16	543	0	32	519	68	71	189	0
Peak Hour Factor	0.73	0.73	0.73	0.94	0.94	0.94	0.92	0.92	0.92	0.92	0.85	0.85	0.85
Heavy Vehicles, %	2	2	2	2	2	2	6	6	6	6	6	6	6
Mvmt Flow	10	27	95	98	17	578	0	35	564	74	84	222	0
Number of Lanes	0	1	0	0	1	0	0	1	2	0	1	2	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	3	3
Conflicting Approach Left SB		NB	EB	WB
Conflicting Lanes Left	3	3	1	1
Conflicting Approach Right NB		SB	WB	EB
Conflicting Lanes Right	3	3	1	1
HCM Control Delay	15.1	195	29.4	14
HCM LOS	C	F	D	B

Lane	NBLn1	NBLn2	NBLn3	EBLn1	WBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	100%	0%	0%	7%	14%	100%	0%	0%
Vol Thru, %	0%	100%	72%	21%	2%	0%	100%	100%
Vol Right, %	0%	0%	28%	72%	83%	0%	0%	0%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	32	346	241	96	651	71	95	95
LT Vol	32	0	0	7	92	71	0	0
Through Vol	0	346	173	20	16	0	95	95
RT Vol	0	0	68	69	543	0	0	0
Lane Flow Rate	35	376	262	132	693	84	111	111
Geometry Grp	7	7	7	7	7	7	7	7
Degree of Util (X)	0.078	0.793	0.538	0.293	1.359	0.202	0.254	0.198
Departure Headway (Hd)	9.156	8.629	8.42	8.804	7.063	9.873	9.34	7.421
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	394	421	432	410	512	366	387	487
Service Time	6.856	6.329	6.12	6.504	4.84	7.573	7.04	5.121
HCM Lane V/C Ratio	0.089	0.893	0.606	0.322	1.354	0.23	0.287	0.228
HCM Control Delay	12.6	37.2	20.5	15.1	195	15.1	15.2	11.9
HCM Lane LOS	B	E	C	C	F	C	C	B
HCM 95th-tile Q	0.3	7	3.1	1.2	30.9	0.7	1	0.7












# HCM 6th Signalized Intersection Summary

## 92: Pacific Heights Blvd & Barnes Canyon Rd

Existing  
Timing Plan: AM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	150	9	72	10	9	5	320	445	26	7	31	20
Future Volume (veh/h)	150	9	72	10	9	5	320	445	26	7	31	20
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.98	0.98		0.98	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1575	1870	1870	1870	1870	1870	1575	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	185	11	89	17	15	8	364	506	30	12	52	33
Peak Hour Factor	0.81	0.81	0.81	0.60	0.60	0.60	0.88	0.88	0.88	0.60	0.60	0.60
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	461	511	426	501	312	166	509	1350	80	22	504	290
Arrive On Green	0.27	0.27	0.27	0.27	0.27	0.27	0.17	0.40	0.40	0.01	0.23	0.23
Sat Flow, veh/h	1150	1870	1557	1275	1140	608	2910	3403	201	1781	2154	1239
Grp Volume(v), veh/h	185	11	89	17	0	23	364	264	272	12	42	43
Grp Sat Flow(s),veh/h/ln	1150	1870	1557	1275	0	1748	1455	1777	1827	1781	1777	1615
Q Serve(g_s), s	6.4	0.2	2.0	0.5	0.0	0.4	5.4	4.8	4.8	0.3	0.8	1.0
Cycle Q Clear(g_c), s	6.9	0.2	2.0	0.6	0.0	0.4	5.4	4.8	4.8	0.3	0.8	1.0
Prop In Lane	1.00		1.00	1.00		0.35	1.00		0.11	1.00		0.77
Lane Grp Cap(c), veh/h	461	511	426	501	0	478	509	705	725	22	416	378
V/C Ratio(X)	0.40	0.02	0.21	0.03	0.00	0.05	0.72	0.37	0.38	0.54	0.10	0.11
Avail Cap(c_a), veh/h	1154	1640	1365	1270	0	1532	1913	2336	2403	1171	2336	2124
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.7	12.1	12.8	12.4	0.0	12.2	17.8	9.8	9.8	22.4	13.7	13.7
Incr Delay (d2), s/veh	1.0	0.0	0.4	0.0	0.0	0.0	0.7	1.0	0.9	7.6	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	0.1	0.6	0.1	0.0	0.1	1.6	1.7	1.7	0.2	0.3	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	15.7	12.1	13.2	12.4	0.0	12.2	18.5	10.7	10.7	30.0	13.9	14.0
LnGrp LOS	B	B	B	B	A	B	B	B	B	C	B	B
Approach Vol, veh/h	285			40			900			97		
Approach Delay, s/veh	14.8			12.3			13.8			15.9		
Approach LOS	B			B			B			B		
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	23.3	17.4		12.4	15.9	17.4						
Change Period (Y+Rc), s	4.4	* 5.2	4.9		4.4	5.2	4.9					
Max Green Setting (Gmax), s	30.0	* 60	40.0		30.0	60.0	40.0					
Max Q Clear Time (g_c+I), s	12.3	6.8	8.9		7.4	3.0	2.6					
Green Ext Time (p_c), s	0.0	9.1	2.1		0.7	0.9	0.1					

### Intersection Summary

HCM 6th Ctrl Delay 14.2

HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



## Queues

Existing

## 1: Vista Sorrento Pkwy &amp; Sorrento Valley Blvd

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	77	756	286	1248	113	250	282	854	184
v/c Ratio	0.63	0.87dr	0.84	0.96	0.72	0.61	0.60	0.86	0.29
Control Delay	95.9	43.9	82.5	62.1	94.3	41.0	53.2	61.8	20.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	95.9	43.9	82.5	62.1	94.3	41.0	53.2	61.8	20.5
Queue Length 50th (ft)	77	274	280	633	123	67	267	446	77
Queue Length 95th (ft)	135	347	#539	#1003	221	129	404	576	138
Internal Link Dist (ft)		582		460		1722		659	
Turn Bay Length (ft)	315		275		275		150		125
Base Capacity (vph)	341	1350	341	1301	527	1082	633	1330	816
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.23	0.56	0.84	0.96	0.21	0.23	0.45	0.64	0.23

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

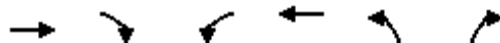
dr Defacto Right Lane. Recode with 1 though lane as a right lane.

## Queues

Existing

## 2: Camino Santa Fe &amp; Sorrento Valley Blvd/Calle Cristobal








Timing Plan: AM Peak



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	91	233	604	1126	268	50
v/c Ratio	0.12	0.46	0.62	0.55	0.34	0.07
Control Delay	20.4	7.1	21.1	8.4	20.0	2.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	20.4	7.1	21.1	8.4	20.0	2.0
Queue Length 50th (ft)	11	0	74	83	34	0
Queue Length 95th (ft)	38	54	191	221	84	12
Internal Link Dist (ft)	855			1053	1639	
Turn Bay Length (ft)		250	270		365	
Base Capacity (vph)	3283	1458	1906	3289	2591	1150
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.16	0.32	0.34	0.10	0.04
Intersection Summary						

Queues  
3: Camino Ruiz & Calle Cristobal

Existing  
Timing Plan: AM Peak

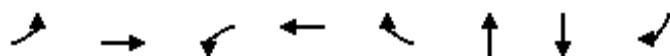
							
Lane Group	EBT	EBR	WBT	NBL	NBT	NBR	SBT
Lane Group Flow (vph)	4	257	4	1082	17	2	28
v/c Ratio	0.02	0.12	0.02	0.42	0.01	0.00	0.07
Control Delay	44.0	1.8	34.7	11.5	4.1	0.0	27.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	44.0	1.8	34.7	11.5	4.1	0.0	27.1
Queue Length 50th (ft)	1	0	1	47	0	0	3
Queue Length 95th (ft)	17	24	12	531	14	0	15
Internal Link Dist (ft)	1045		192		521		331
Turn Bay Length (ft)				240		145	
Base Capacity (vph)	1224	2467	958	2920	1667	1219	2303
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.10	0.00	0.37	0.01	0.00	0.01
Intersection Summary							

## Queues

## 4: Alemania Rd &amp; Mercy Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBT	SBT	SBR
Lane Group Flow (vph)	66	1078	11	826	143	8	167	18
v/c Ratio	0.30	0.58	0.06	0.60	0.21	0.01	0.47	0.04
Control Delay	30.0	11.9	31.7	17.6	7.2	0.0	24.0	0.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.0	11.9	31.7	17.6	7.2	0.0	24.0	0.7
Queue Length 50th (ft)	18	89	3	105	8	0	44	0
Queue Length 95th (ft)	71	316	19	216	42	0	121	2
Internal Link Dist (ft)		1099		232		423	223	
Turn Bay Length (ft)	170		100		150			35
Base Capacity (vph)	896	3325	1065	3329	1495	1318	1066	1217
Starvation Cap Reductn	0	0	0	139	56	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.07	0.32	0.01	0.26	0.10	0.01	0.16	0.01
Intersection Summary								

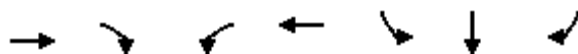


## Queues

Existing

## 5: I-15 SB On-ramp/I-15 SB Off-ramp &amp; Mercy Rd

Timing Plan: AM Peak



Lane Group	EBT	EBR	WBL	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	948	282	994	675	244	245	159
v/c Ratio	0.61	0.63	0.89	0.27	0.78	0.81	0.39
Control Delay	34.5	41.2	47.2	3.4	59.3	62.9	8.5
Queue Delay	1.4	2.5	2.1	0.1	0.1	0.1	0.0
Total Delay	35.9	43.8	49.2	3.5	59.4	63.0	8.5
Queue Length 50th (ft)	221	198	172	28	171	179	0
Queue Length 95th (ft)	300	#384	457	48	256	270	55
Internal Link Dist (ft)	232			368		735	
Turn Bay Length (ft)		120			705		
Base Capacity (vph)	1547	449	1254	2490	382	366	464
Starvation Cap Reductn	383	80	138	731	0	0	0
Spillback Cap Reductn	0	0	0	0	3	3	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.81	0.76	0.89	0.38	0.64	0.67	0.34

## Intersection Summary

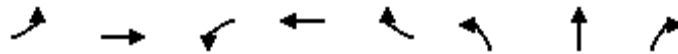
# 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

## 6: I-15 NB Off-ramp/I-15 NB On-ramp &amp; Mercy Rd/Scripps Poway Pkwy

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	327	924	1	1510	646	65	65	1554
v/c Ratio	0.71	0.37	0.01	0.49	0.58	0.30	0.29	2.35
Control Delay	43.6	16.5	51.0	16.7	9.5	42.2	42.2	633.1
Queue Delay	0.0	0.5	0.0	0.0	0.0	0.1	0.1	0.0
Total Delay	43.6	17.0	51.0	16.7	9.5	42.3	42.2	633.1
Queue Length 50th (ft)	95	143	1	182	62	47	47	~1035
Queue Length 95th (ft)	175	358	6	#483	#387	61	61	#812
Internal Link Dist (ft)		368		1350			563	
Turn Bay Length (ft)	150		25		165	330		330
Base Capacity (vph)	624	2470	80	3098	1113	626	629	661
Starvation Cap Reductn	0	1005	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	80	0	104	104	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.52	0.63	0.01	0.50	0.58	0.12	0.12	2.35

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

HCM 6th TWSC  
7: Black Mountain Rd & Babauta Rd

Existing  
Timing Plan: AM Peak













Intersection												
Int Delay, s/veh	0.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations			↰			↰	↕↕↕	↕↕↕		↰↕↕↕	↕↕↕	
Traffic Vol, veh/h	0	0	15	0	0	48	0	931	10	21	2078	4
Future Vol, veh/h	0	0	15	0	0	48	0	931	10	21	2078	4
Conflicting Peds, #/hr	0	0	0	0	0	0	2	0	3	3	0	2
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	-	-	-	210	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	75	75	75	67	67	67	92	92	92	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2	3	3	3	3	3	3
Mvmt Flow	0	0	20	0	0	72	0	1012	11	22	2142	4
Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	-	-	1075	-	-	515	-	0	0	1026	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	7.14	-	-	-	5.36	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.92	-	-	3.92	-	-	-	3.13	-	-
Pot Cap-1 Maneuver	0	0	185	0	0	432	0	-	-	377	-	-
Stage 1	0	0	-	0	0	-	0	-	-	-	-	-
Stage 2	0	0	-	0	0	-	0	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	-	185	-	-	431	-	-	-	376	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Approach	EB		WB		NB		SB					
HCM Control Delay, s	26.8		15		0		0.2					
HCM LOS	D		C									
Minor Lane/Major Mvmt	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR					
Capacity (veh/h)	-	-	185	431	376	-	-					
HCM Lane V/C Ratio	-	-	0.108	0.166	0.058	-	-					
HCM Control Delay (s)	-	-	26.8	15	15.2	-	-					
HCM Lane LOS	-	-	D	C	C	-	-					
HCM 95th %tile Q(veh)	-	-	0.4	0.6	0.2	-	-					

## Queues

Existing

## 8: I-805 NB Ramps/Mira Sorrento PI &amp; Vista Sorrento Pkwy

Timing Plan: AM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	612	558	178	28	62	66	440	213	175	136	243	31
v/c Ratio	0.90	0.41	0.19	0.13	0.14	0.24	0.80	0.56	0.50	0.60	0.80	0.10
Control Delay	56.4	31.7	1.6	56.1	54.8	3.2	64.6	52.2	30.9	67.0	72.3	0.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	56.4	31.7	1.6	56.1	54.8	3.2	64.6	52.2	30.9	67.0	72.3	0.6
Queue Length 50th (ft)	482	179	0	21	24	0	186	162	75	111	209	0
Queue Length 95th (ft)	#824	267	20	46	42	0	260	250	152	177	292	0
Internal Link Dist (ft)		281			1647			523			1549	
Turn Bay Length (ft)	170		160	210		50			50	245		
Base Capacity (vph)	681	1362	1202	476	953	479	1189	716	603	340	407	402
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.90	0.41	0.15	0.06	0.07	0.14	0.37	0.30	0.29	0.40	0.60	0.08

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

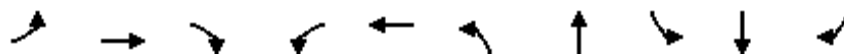
Queue shown is maximum after two cycles.

## Queues

## 9: Scranton Rd &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	713	2289	663	57	1159	63	121	55	76	121
v/c Ratio	0.85	0.67	0.56	0.64	0.39	0.21	0.41	0.22	0.64	0.13
Control Delay	78.3	21.2	8.6	154.8	15.2	78.1	83.0	85.1	110.2	29.2
Queue Delay	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	78.3	21.5	8.6	154.8	15.2	78.1	83.0	85.1	110.2	29.2
Queue Length 50th (ft)	442	582	150	74	295	43	86	34	103	47
Queue Length 95th (ft)	491	834	335	#142	456	60	102	60	173	50
Internal Link Dist (ft)		1100			2993		334		378	
Turn Bay Length (ft)	385			365				120		
Base Capacity (vph)	1221	3416	1192	97	2999	562	565	261	125	1246
Starvation Cap Reductn	0	422	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.58	0.76	0.56	0.59	0.39	0.11	0.21	0.21	0.61	0.10

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

Existing

## 10: Oberline Dr/Lusk Blvd &amp; Mira Mesa Blvd

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	224	2287	104	1648	10	22	37	67	11	62
v/c Ratio	0.78	0.62	0.63	0.49	0.20	0.12	0.16	0.49	0.05	0.23
Control Delay	82.3	28.9	124.4	3.4	99.5	71.8	1.4	101.2	65.1	4.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	82.3	28.9	124.4	3.4	99.5	71.8	1.4	101.2	65.1	4.3
Queue Length 50th (ft)	144	553	71	1	13	28	0	43	13	0
Queue Length 95th (ft)	191	982	m79	141	26	36	0	66	29	3
Internal Link Dist (ft)		2993		1710		152			1676	
Turn Bay Length (ft)	245		255		105		105	210		
Base Capacity (vph)	634	3672	272	3352	100	375	388	195	373	387
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.35	0.62	0.38	0.49	0.10	0.06	0.10	0.34	0.03	0.16

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

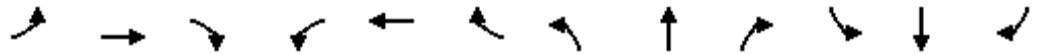


## Queues

## 11: Pacific Heights Blvd &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	491	1469	368	353	1778	1048	38	111	51	109	44	84
v/c Ratio	0.77	0.58	0.48	0.81	0.91	1.21	0.54	0.32	0.23	0.65	0.11	0.33
Control Delay	51.9	27.1	18.5	56.2	17.2	121.9	114.5	44.5	2.3	106.7	71.4	9.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	51.9	27.1	18.5	56.2	17.2	121.9	114.5	44.5	2.3	106.7	71.4	9.8
Queue Length 50th (ft)	492	531	305	263	66	~673	48	43	0	70	28	0
Queue Length 95th (ft)	742	265	87	m#369	m501	m#982	90	68	0	93	39	21
Internal Link Dist (ft)		1710			1946			537			698	
Turn Bay Length (ft)	290		50	275		320	90		95	540		50
Base Capacity (vph)	636	2542	761	435	1953	868	108	662	360	209	707	362
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.77	0.58	0.48	0.81	0.91	1.21	0.35	0.17	0.14	0.52	0.06	0.23

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.













m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 12: Mira Mesa Blvd &amp; Sequence Dr

Existing

Timing Plan: AM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	378	931	372	138	2846	127	39	40	18	15	18	288
v/c Ratio	0.54	0.27	0.36	0.68	1.38	0.20	0.33	0.34	0.09	0.28	0.32	0.34
Control Delay	34.3	3.3	4.7	70.8	205.2	6.6	86.8	87.1	0.9	103.0	104.9	9.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	34.3	3.3	4.7	70.8	205.2	6.6	86.8	87.1	0.9	103.0	104.9	9.3
Queue Length 50th (ft)	334	5	0	162	~1716	30	51	52	0	19	23	34
Queue Length 95th (ft)	#641	291	434	m212	#1767	m31	74	75	0	44	49	96
Internal Link Dist (ft)	1946			1147			531			829		
Turn Bay Length (ft)	230		50	250		50			50	250		250
Base Capacity (vph)	699	3483	1035	203	2058	625	336	340	362	66	69	841
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.54	0.27	0.36	0.68	1.38	0.20	0.12	0.12	0.05	0.23	0.26	0.34

## Intersection Summary

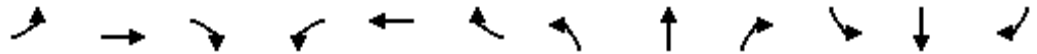
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 13: Mira Mesa Blvd &amp; Genetic Center Dr

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	78	781	48	237	2932	126	12	5	35	33	18	57
v/c Ratio	0.64	0.26	0.05	0.64	0.79	0.12	0.24	0.04	0.19	0.52	0.11	0.26
Control Delay	141.9	6.8	0.9	83.1	9.8	1.2	100.9	75.8	2.4	117.2	75.7	4.6
Queue Delay	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	141.9	6.8	0.9	83.1	10.0	1.2	100.9	75.8	2.4	117.2	75.7	4.6
Queue Length 50th (ft)	101	213	9	308	181	5	15	6	0	41	21	0
Queue Length 95th (ft)	#237	10	0	m#481	482	m4	38	17	0	82	43	7
Internal Link Dist (ft)		1147			1166			212			583	
Turn Bay Length (ft)	265		50	255		50	140		85	160		160
Base Capacity (vph)	121	2984	884	368	3696	1014	77	372	389	77	375	384
Starvation Cap Reductn	0	0	0	0	135	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.64	0.26	0.05	0.64	0.82	0.12	0.16	0.01	0.09	0.43	0.05	0.15

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.













m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 14: Mira Mesa Blvd &amp; Flanders Dr

Existing

Timing Plan: AM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	55	488	313	90	3038	141	220	225	55	25	24	59
v/c Ratio	0.69	0.16	0.34	0.78	0.97	0.15	0.87	0.88	0.17	0.22	0.20	0.31
Control Delay	160.9	4.2	3.6	139.5	24.9	2.7	109.3	110.3	1.2	83.1	82.2	4.9
Queue Delay	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	160.9	4.2	3.6	139.5	27.2	2.7	109.3	110.3	1.2	83.1	82.2	4.9
Queue Length 50th (ft)	71	17	58	113	1101	2	287	294	0	31	30	0
Queue Length 95th (ft)	#142	40	2	m139	#1875	m17	353	361	0	45	44	0
Internal Link Dist (ft)	1166			823			568			497		
Turn Bay Length (ft)	215	50		245	50		250	160		200		
Base Capacity (vph)	91	3050	924	143	3143	915	336	340	388	354	372	390
Starvation Cap Reductn	0	0	0	0	62	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.60	0.16	0.34	0.63	0.99	0.15	0.65	0.66	0.14	0.07	0.06	0.15

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 15: Mira Mesa Blvd &amp; Viper Wy

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	24	382	100	55	3011	68	184	31	63	14	37
v/c Ratio	0.43	0.11	0.10	0.70	0.79	0.06	0.80	0.15	0.29	0.27	0.29
Control Delay	123.2	5.2	0.6	138.1	5.6	0.1	111.3	72.6	13.7	102.9	58.8
Queue Delay	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	123.2	5.2	0.6	138.1	6.7	0.1	111.3	72.6	13.7	102.9	58.8
Queue Length 50th (ft)	31	22	0	73	54	0	118	37	0	18	29
Queue Length 95th (ft)	69	31	2	m79	#1557	m0	145	56	28	29	32
Internal Link Dist (ft)		823			845			247			375
Turn Bay Length (ft)	260		50	260		50			50	110	
Base Capacity (vph)	69	3633	1034	96	3799	1084	263	447	386	65	360
Starvation Cap Reductn	0	0	0	0	381	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	489	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.35	0.11	0.10	0.57	0.91	0.06	0.70	0.07	0.16	0.22	0.10

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.













m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 16: Camino Santa Fe &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	26	342	98	609	2949	318	93	107	67	134	345	136
v/c Ratio	0.46	0.35	0.26	0.73	0.91	0.33	0.79	0.20	0.06	0.69	0.78	0.50
Control Delay	114.8	46.7	3.5	34.3	21.0	4.3	124.4	69.0	2.4	106.0	91.9	27.5
Queue Delay	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	114.8	46.7	3.5	34.3	23.6	4.3	124.4	69.0	2.4	106.0	91.9	27.6
Queue Length 50th (ft)	34	116	0	473	1184	60	116	63	0	86	226	39
Queue Length 95th (ft)	76	91	0	m#811	#1610	m117	183	86	20	118	246	95
Internal Link Dist (ft)		845			1366			850			382	
Turn Bay Length (ft)	250		50	250		50	280			250		50
Base Capacity (vph)	64	971	380	831	3229	952	169	838	1044	252	689	364
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	186	0	0	0	0	0	0	3
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.41	0.35	0.26	0.73	0.97	0.33	0.55	0.13	0.06	0.53	0.50	0.38

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



## Queues

Existing

## 17: Mira Mesa Blvd &amp; Schilling Ave

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	24	541	8	23	3642	28	58	62	88	9	116
v/c Ratio	0.40	0.14	0.01	0.37	0.93	0.03	0.44	0.29	0.69	0.05	0.57
Control Delay	88.8	18.3	4.7	112.2	7.0	0.0	87.7	14.2	106.3	71.6	43.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	88.8	18.3	4.7	112.2	7.0	0.0	87.7	14.2	106.3	71.6	43.9
Queue Length 50th (ft)	30	165	1	30	26	0	70	0	110	11	58
Queue Length 95th (ft)	m0	264	m4	m33	#1853	m0	102	30	160	28	119
Internal Link Dist (ft)		1366			1325		244			527	
Turn Bay Length (ft)	260		50	195		50		55	95		50
Base Capacity (vph)	72	3922	1071	144	3931	1070	244	342	235	343	318
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.33	0.14	0.01	0.16	0.93	0.03	0.24	0.18	0.37	0.03	0.36

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

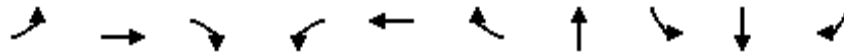
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 18: Mira Mesa Blvd &amp; Aderman Ave

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	12	662	2	22	3556	32	76	155	21	56
v/c Ratio	0.23	0.18	0.00	0.35	0.95	0.03	0.28	0.90	0.08	0.22
Control Delay	133.0	2.5	0.0	114.5	7.4	0.0	34.3	123.3	66.1	15.2
Queue Delay	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0
Total Delay	133.0	2.5	0.0	114.5	11.7	0.0	34.3	123.3	66.1	15.2
Queue Length 50th (ft)	15	35	0	29	79	0	36	193	23	0
Queue Length 95th (ft)	m41	71	m0	m29	m#1669	m0	64	226	43	30
Internal Link Dist (ft)		1325			2000		341		358	
Turn Bay Length (ft)	145		50	130		50		100		50
Base Capacity (vph)	90	3687	1004	90	3755	1023	353	237	379	334
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	171	0	0	0	0	1
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.13	0.18	0.00	0.24	0.99	0.03	0.22	0.65	0.06	0.17

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 19: Parkdale Ave &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	55	807	41	3486	117	24	101	77	73	212
v/c Ratio	0.59	0.24	0.51	1.06	0.81	0.13	0.42	0.66	0.49	0.82
Control Delay	125.8	2.0	100.6	39.8	121.6	76.7	16.8	111.7	92.1	49.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	125.8	2.0	100.6	39.8	121.6	76.7	16.8	111.7	92.1	49.9
Queue Length 50th (ft)	72	21	52	~1717	145	28	0	96	90	82
Queue Length 95th (ft)	m119	34	m50	m#1715	202	53	45	157	139	173
Internal Link Dist (ft)		2000		2016		412			417	
Turn Bay Length (ft)	275		255		240		100	100		100
Base Capacity (vph)	171	3364	126	3299	163	309	340	163	309	382
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.32	0.24	0.33	1.06	0.72	0.08	0.30	0.47	0.24	0.55

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 20: Reagan Rd &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	56	807	25	3061	24	214	106	85	435
v/c Ratio	0.69	0.28	0.40	1.10	0.03	1.09	0.27	0.31	1.02dr
Control Delay	106.0	30.3	127.7	65.1	0.1	162.2	66.8	73.3	79.8
Queue Delay	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0
Total Delay	106.0	30.3	127.7	67.3	0.1	162.2	66.8	73.3	79.8
Queue Length 50th (ft)	68	233	33	~1573	0	~303	53	96	245
Queue Length 95th (ft)	#139	323	m44	#1623	m0	#420	71	145	285
Internal Link Dist (ft)		2016		649			500		498
Turn Bay Length (ft)	235		240		80	100		110	
Base Capacity (vph)	90	2904	88	2795	869	196	393	328	628
Starvation Cap Reductn	0	0	0	39	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.62	0.28	0.28	1.11	0.03	1.09	0.27	0.26	0.69

## Intersection Summary












- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.
- dr Defacto Right Lane. Recode with 1 though lane as a right lane.

## Queues

## 21: Mira Mesa Blvd &amp; Driveway

Existing

Timing Plan: AM Peak

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	31	702	34	37	3096	27	34	11	19	20	40
v/c Ratio	0.45	0.18	0.03	0.33	0.79	0.03	0.28	0.07	0.11	0.16	0.23
Control Delay	116.2	3.8	1.0	107.3	5.7	0.0	80.8	71.9	2.5	76.2	27.2
Queue Delay	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	116.2	3.8	1.0	107.3	6.5	0.0	80.8	71.9	2.5	76.2	27.2
Queue Length 50th (ft)	40	33	1	25	1223	0	42	13	0	25	9
Queue Length 95th (ft)	83	46	3	m25	m63	m0	58	27	0	48	42
Internal Link Dist (ft)		649			813			198			235
Turn Bay Length (ft)	140		50	135		50	90		105	55	
Base Capacity (vph)	84	3948	1075	155	3914	1038	245	336	311	247	321
Starvation Cap Reductn	0	0	0	0	472	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	427	0	0	0	0	0	2
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.37	0.18	0.03	0.24	0.90	0.03	0.14	0.03	0.06	0.08	0.13

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 22: Camino Ruiz &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	123	1037	188	2875	124	118	327	246	399	491	189
v/c Ratio	0.62	0.41	0.78	1.07	0.14	0.89	0.46	0.81	0.91	0.74	0.57
Control Delay	102.8	26.2	113.5	46.1	0.1	137.2	76.0	60.9	106.6	78.5	40.4
Queue Delay	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	102.8	26.2	113.5	60.1	0.1	137.2	76.0	60.9	106.6	78.5	40.4
Queue Length 50th (ft)	81	250	127	~1445	0	148	141	166	256	310	112
Queue Length 95th (ft)	#117	191	m109	m158	m0	#216	144	201	#346	354	192
Internal Link Dist (ft)		813		1559			2143			1009	
Turn Bay Length (ft)	190		200		620	270		100	250		50
Base Capacity (vph)	198	2552	240	2693	867	138	947	365	455	835	393
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	231	0	0	0	0	0	0	3
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.62	0.41	0.78	1.17	0.14	0.86	0.35	0.67	0.88	0.59	0.48

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

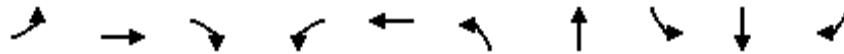


## Queues

## 23: Reagan Rd/New Salem St &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	141	1278	75	145	3007	181	270	223	211	52
v/c Ratio	0.83	0.51	0.10	0.79	1.21	0.99	0.91	1.22	0.69	0.19
Control Delay	103.5	29.5	7.9	65.3	146.0	145.2	104.1	202.7	86.5	9.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	103.5	29.5	7.9	65.3	146.0	145.2	104.1	202.7	86.5	9.3
Queue Length 50th (ft)	181	372	15	185	~1686	230	309	~339	249	0
Queue Length 95th (ft)	m242	356	m25	m184	m#1690	#244	289	#308	234	3
Internal Link Dist (ft)		1559			821		717		595	
Turn Bay Length (ft)	250		125	145		100		150		150
Base Capacity (vph)	222	2518	773	269	2482	183	337	183	349	311
Starvation Cap Reductn	0	0	0	0	47	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.64	0.51	0.10	0.54	1.23	0.99	0.80	1.22	0.60	0.17

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 24: Westonhill Dr &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	33	1423	20	3091	95	152	233	236	138
v/c Ratio	0.49	0.47	0.33	1.04	0.54	0.82	0.88	0.86	0.56
Control Delay	96.7	18.4	108.7	47.1	91.9	109.2	108.2	105.6	81.9
Queue Delay	0.0	0.0	0.0	25.5	673.2	0.0	0.0	0.0	673.4
Total Delay	96.7	18.4	108.7	72.6	765.1	109.2	108.2	105.6	755.3
Queue Length 50th (ft)	37	451	24	~1558	115	177	302	305	160
Queue Length 95th (ft)	m66	m552	m35	#1727	152	217	358	361	209
Internal Link Dist (ft)		821		846		932		1170	
Turn Bay Length (ft)	175		265		150		225		
Base Capacity (vph)	82	3047	81	2974	220	230	318	327	294
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	309	220	0	0	0	294
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.47	0.25	1.16	95.00	0.66	0.73	0.72	138.00

## Intersection Summary

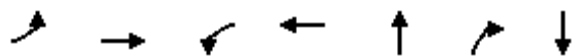
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 25: Greenford Dr &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBT
Lane Group Flow (vph)	7	1875	33	2867	181	171	109
v/c Ratio	0.15	0.52	0.44	0.75	0.90	0.59	0.75
Control Delay	112.2	4.3	108.9	6.9	118.4	43.1	100.7
Queue Delay	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Total Delay	112.2	4.3	108.9	7.6	118.4	43.1	100.7
Queue Length 50th (ft)	9	97	43	207	225	100	126
Queue Length 95th (ft)	m18	125	m55	196	223	107	171
Internal Link Dist (ft)		846		1220	524		392
Turn Bay Length (ft)	250		250			50	
Base Capacity (vph)	81	3573	108	3801	479	575	338
Starvation Cap Reductn	0	11	0	0	0	0	0
Spillback Cap Reductn	0	0	0	496	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.09	0.53	0.31	0.87	0.38	0.30	0.32

## Intersection Summary

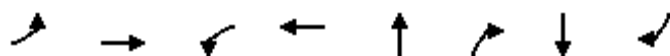
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 26: Marbury Ave/Westmore Rd &amp; Mira Mesa Blvd

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	27	2105	117	3104	45	79	104	12
v/c Ratio	0.40	0.60	0.79	0.81	0.28	0.37	0.71	0.06
Control Delay	96.2	8.1	85.7	20.5	80.1	17.1	106.0	0.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	96.2	8.1	85.7	20.5	80.1	17.1	106.0	0.5
Queue Length 50th (ft)	34	168	150	1157	53	0	129	0
Queue Length 95th (ft)	m65	232	m138	m977	90	49	188	0
Internal Link Dist (ft)		1220		1565	444		324	
Turn Bay Length (ft)	250		250			50		50
Base Capacity (vph)	84	3497	186	3848	343	377	318	364
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.32	0.60	0.63	0.81	0.13	0.21	0.33	0.03

## Intersection Summary

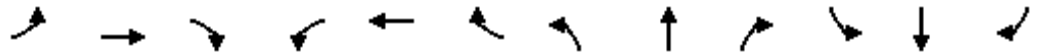
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 27: Black Mountain Rd &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	247	1653	165	167	2511	123	221	270	113	574	767	573
v/c Ratio	0.83	0.77	0.20	0.72	1.19	0.12	0.86	0.58	0.38	0.70	0.74	0.93
Control Delay	113.6	50.1	20.3	80.2	154.8	7.7	115.8	81.3	12.9	64.1	56.6	56.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Total Delay	113.6	50.1	20.3	80.2	154.8	7.7	115.8	81.3	12.9	64.1	56.6	57.4
Queue Length 50th (ft)	168	670	61	110	~1389	43	143	175	0	355	513	359
Queue Length 95th (ft)	#241	#884	111	152	#1617	m85	#198	198	53	396	320	351
Internal Link Dist (ft)		1565			1235			1467			714	
Turn Bay Length (ft)	250		400	250			260		275	440		380
Base Capacity (vph)	310	2154	821	304	2110	1057	263	817	444	840	1320	718
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	34
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.80	0.77	0.20	0.55	1.19	0.12	0.84	0.33	0.25	0.68	0.58	0.84

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 28: Westview Pkwy &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	129	1955	611	2386	306	74	320	180	870	385	205
v/c Ratio	0.65	0.87	0.70	0.70	0.25	0.48	0.71	0.60	0.89	0.83	0.46
Control Delay	108.0	69.1	64.2	35.7	2.7	98.5	47.6	17.2	85.6	83.0	34.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	108.0	69.1	64.2	35.7	2.7	98.5	47.6	17.2	85.6	83.0	34.2
Queue Length 50th (ft)	76	570	355	630	21	47	104	0	378	461	119
Queue Length 95th (ft)	m101	663	#495	809	66	76	150	80	425	552	192
Internal Link Dist (ft)		1235		846			1208			1016	
Turn Bay Length (ft)	245		375		250	245		200	260		115
Base Capacity (vph)	207	2259	876	3414	1228	211	871	482	1079	735	652
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.62	0.87	0.70	0.70	0.25	0.35	0.37	0.37	0.81	0.52	0.31

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

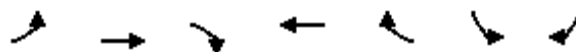
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 29: Mira Mesa Blvd &amp; I-15 SB Off-ramp

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	1	1564	1766	1946	903	295	1470
v/c Ratio	0.00	0.41	0.66	0.92	0.72	0.65	1.10
Control Delay	27.0	5.0	1.3	36.9	4.3	49.2	83.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	27.0	5.0	1.3	36.9	4.3	49.2	83.7
Queue Length 50th (ft)	0	109	0	432	0	95	-619
Queue Length 95th (ft)	5	162	0	#591	44	138	#773
Internal Link Dist (ft)		846		858			
Turn Bay Length (ft)	25					570	290
Base Capacity (vph)	513	3825	2695	2116	1464	1509	1336
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.41	0.66	0.92	0.62	0.20	1.10

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

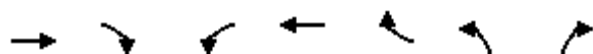


## Queues

## 30: I-15 NB Off-ramp &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBT	EBR	WBL	WBT	WBR	NBL	NBR
Lane Group Flow (vph)	908	960	1	1863	319	1201	493
v/c Ratio	0.40	0.66	0.01	0.69	0.21	0.95	0.37
Control Delay	22.6	2.5	55.0	22.1	0.3	52.5	17.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	22.6	2.5	55.0	22.1	0.3	52.5	17.7
Queue Length 50th (ft)	169	0	1	376	0	456	109
Queue Length 95th (ft)	206	11	7	432	0	498	138
Internal Link Dist (ft)	858			875			
Turn Bay Length (ft)					60		495
Base Capacity (vph)	2291	1456	146	2710	1534	1287	1427
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.66	0.01	0.69	0.21	0.93	0.35
Intersection Summary							

## Queues

## 31: Black Mountain Rd &amp; Mercy Rd

Existing

Timing Plan: AM Peak



Lane Group	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	4	499	137	136	24	593	536	537	1731
v/c Ratio	0.03	0.65	0.17	0.17	0.26	0.56	0.47	0.57	0.61
Control Delay	46.0	43.3	0.4	0.4	64.0	36.5	2.3	40.0	22.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	46.0	43.3	0.4	0.4	64.0	36.5	2.3	40.0	22.3
Queue Length 50th (ft)	2	135	0	0	14	145	0	138	240
Queue Length 95th (ft)	4	292	0	0	59	378	30	#390	#748
Internal Link Dist (ft)	761		2189			644			1388
Turn Bay Length (ft)		280		240	370			430	
Base Capacity (vph)	600	1730	1063	1063	446	2119	1427	1028	3061
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.29	0.13	0.13	0.05	0.28	0.38	0.52	0.57

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

## 32: Camino Santa Fe &amp; Miramar Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	703	1192	21	20	2348	101	20	20	33	34	735
v/c Ratio	0.88	0.32	0.02	0.17	0.90	0.13	0.16	0.15	0.36	0.37	0.53
Control Delay	67.3	9.3	0.1	69.0	36.1	3.9	62.4	37.8	78.1	78.5	4.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	67.3	9.3	0.1	69.0	36.1	3.9	62.4	37.8	78.1	78.5	4.2
Queue Length 50th (ft)	342	137	0	9	860	8	19	9	33	34	9
Queue Length 95th (ft)	400	294	0	m14	#1281	m14	33	25	71	73	52
Internal Link Dist (ft)		1789			1240			330		2054	
Turn Bay Length (ft)	550		50	330		50	75		270		
Base Capacity (vph)	887	3735	1089	209	2596	794	377	369	135	136	1434
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.79	0.32	0.02	0.10	0.90	0.13	0.05	0.05	0.24	0.25	0.51

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

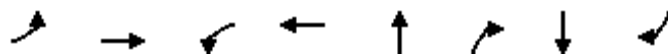
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 33: Miramar Rd &amp; Commerce Ave

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	114	1092	79	2550	144	64	45	58
v/c Ratio	0.58	0.37	0.33	0.77	0.71	0.22	0.23	0.19
Control Delay	97.2	11.3	70.4	26.7	78.4	4.4	56.0	3.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	97.2	11.3	70.4	26.7	78.4	4.4	56.0	3.0
Queue Length 50th (ft)	61	108	65	620	137	0	40	0
Queue Length 95th (ft)	92	96	m106	957	131	0	69	5
Internal Link Dist (ft)		1240		1041	169		465	
Turn Bay Length (ft)	350		465			50		180
Base Capacity (vph)	446	2953	238	3307	317	400	301	437
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.26	0.37	0.33	0.77	0.45	0.16	0.15	0.13

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 34: Miramar Rd &amp; Production Ave

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	81	1014	2602	110	45	92
v/c Ratio	0.62	0.25	0.73	0.11	0.30	0.42
Control Delay	65.1	8.1	5.1	2.0	64.9	15.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	65.1	8.1	5.2	2.0	64.9	15.5
Queue Length 50th (ft)	79	145	49	0	44	0
Queue Length 95th (ft)	115	367	#99	m1	58	26
Internal Link Dist (ft)		1041	667		289	
Turn Bay Length (ft)	250			50		65
Base Capacity (vph)	228	4120	3585	1008	413	435
Starvation Cap Reductn	0	0	37	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.36	0.25	0.73	0.11	0.11	0.21

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

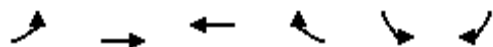
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 35: Miramar Rd &amp; Distribution Ave

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	57	1012	2623	95	40	83
v/c Ratio	0.38	0.25	0.72	0.09	0.28	0.43
Control Delay	81.5	3.2	5.4	0.8	65.6	17.1
Queue Delay	0.0	0.0	0.1	0.0	0.0	0.0
Total Delay	81.5	3.2	5.5	0.8	65.6	17.1
Queue Length 50th (ft)	55	169	389	8	39	0
Queue Length 95th (ft)	104	18	80	m0	67	46
Internal Link Dist (ft)		667	795		302	
Turn Bay Length (ft)	75			50		50
Base Capacity (vph)	175	4130	3626	1022	377	380
Starvation Cap Reductn	0	0	118	0	0	0
Spillback Cap Reductn	0	0	68	0	0	1
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.33	0.25	0.75	0.09	0.11	0.22

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 36: Miramar Wy &amp; Miramar Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	SBT
Lane Group Flow (vph)	37	980	3	5	2736	56
v/c Ratio	0.43	0.24	0.00	0.06	0.69	0.31
Control Delay	107.4	0.8	0.0	68.4	13.5	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	107.4	0.8	0.0	68.4	13.5	6.2
Queue Length 50th (ft)	38	5	0	5	402	0
Queue Length 95th (ft)	79	45	m0	m5	563	0
Internal Link Dist (ft)		795			1271	104
Turn Bay Length (ft)	190		50	125		
Base Capacity (vph)	192	4129	1180	203	3944	381
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	58	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.19	0.24	0.00	0.02	0.70	0.15

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

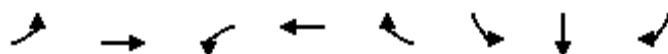


## Queues

## 37: Miramar Rd &amp; Carroll Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	SBL	SBT	SBR
Lane Group Flow (vph)	165	780	1	2626	618	103	101	95
v/c Ratio	0.81	0.20	0.02	0.81	0.51	0.55	0.41	0.38
Control Delay	100.3	2.3	62.0	15.6	1.2	72.4	19.4	14.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	100.3	2.3	62.0	15.6	1.2	72.4	19.4	14.0
Queue Length 50th (ft)	170	56	1	218	0	103	15	0
Queue Length 95th (ft)	#258	42	m1	#889	0	141	59	42
Internal Link Dist (ft)		1271		2530			753	
Turn Bay Length (ft)	150		100		315	380		
Base Capacity (vph)	239	3906	119	3229	1333	336	378	372
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.20	0.01	0.81	0.46	0.31	0.27	0.26

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 38: Miramar Rd &amp; Empire St

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL
Lane Group Flow (vph)	19	960	3341	28	28
v/c Ratio	0.27	0.22	0.79	0.02	0.27
Control Delay	85.4	0.6	3.5	0.0	49.2
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	85.4	0.6	3.5	0.0	49.2
Queue Length 50th (ft)	19	22	6	0	15
Queue Length 95th (ft)	49	10	m135	m0	32
Internal Link Dist (ft)		2530	1293		342
Turn Bay Length (ft)	115			50	
Base Capacity (vph)	236	4457	4233	1203	373
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.08	0.22	0.79	0.02	0.08

## Intersection Summary

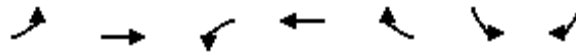
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 39: Miramar Rd &amp; Dowdy Dr

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	107	863	2	3399	345	124	133
v/c Ratio	0.73	0.23	0.03	1.01	0.36	0.60	0.35
Control Delay	86.2	10.7	59.5	26.9	7.6	73.0	23.3
Queue Delay	0.0	0.0	0.0	3.9	0.0	0.0	0.0
Total Delay	86.2	10.7	59.5	30.8	7.6	73.0	23.3
Queue Length 50th (ft)	104	47	2	~293	58	120	52
Queue Length 95th (ft)	#208	300	m2	#1513	m86	157	90
Internal Link Dist (ft)		1293		894			
Turn Bay Length (ft)	190		110		50	250	
Base Capacity (vph)	154	3835	118	3349	962	401	385
Starvation Cap Reductn	0	0	0	38	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.23	0.02	1.03	0.36	0.31	0.35

## Intersection Summary

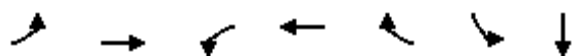
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 40: Miramar Rd &amp; Cabot Dr

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	SBL	SBT
Lane Group Flow (vph)	63	939	6	3536	142	85	90
v/c Ratio	0.58	0.24	0.10	0.98	0.14	0.52	0.40
Control Delay	93.4	3.7	89.7	20.5	2.2	72.8	18.9
Queue Delay	0.0	0.0	0.0	22.6	0.0	0.0	0.0
Total Delay	93.4	3.7	89.7	43.1	2.2	72.8	18.9
Queue Length 50th (ft)	59	50	6	1318	9	86	8
Queue Length 95th (ft)	98	222	m6	m#1202	m30	121	51
Internal Link Dist (ft)		894		3137			419
Turn Bay Length (ft)	130		100		50	170	
Base Capacity (vph)	147	3950	154	3626	1041	347	379
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	269	0	0	4
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.43	0.24	0.04	1.05	0.14	0.24	0.24

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

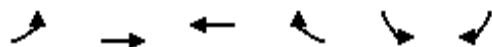
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 41: Miramar Rd &amp; Camino Ruiz

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	158	758	3320	210	668	564
v/c Ratio	0.62	0.22	1.19	0.26	0.94	0.64
Control Delay	70.6	10.2	109.2	1.1	81.2	45.2
Queue Delay	0.0	0.0	0.2	0.0	0.0	0.0
Total Delay	70.6	10.2	109.4	1.1	81.2	45.2
Queue Length 50th (ft)	76	87	~1568	15	336	238
Queue Length 95th (ft)	98	198	m#1582	m0	#447	367
Internal Link Dist (ft)		3137	745		819	
Turn Bay Length (ft)	300			310	400	
Base Capacity (vph)	458	3462	2786	820	740	1053
Starvation Cap Reductn	0	0	224	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.34	0.22	1.30	0.26	0.90	0.54

## Intersection Summary

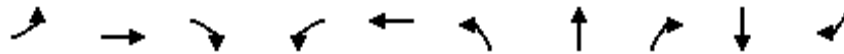
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 42: Mitscher Wy/Clayton Dr &amp; Miramar Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	19	1057	160	238	3220	120	121	109	130	63
v/c Ratio	0.27	0.43	0.19	0.44	1.02	0.63	0.64	0.39	0.91	0.28
Control Delay	88.4	10.9	1.2	43.8	29.3	76.2	72.1	10.0	121.3	3.0
Queue Delay	0.0	0.0	0.0	0.0	34.2	0.0	0.0	0.0	0.0	0.2
Total Delay	88.4	10.9	1.2	43.8	63.5	76.2	72.1	10.0	121.3	3.2
Queue Length 50th (ft)	17	126	0	106	~1255	122	117	0	134	0
Queue Length 95th (ft)	m31	m263	m31	m111	#1509	171	172	41	#254	0
Internal Link Dist (ft)		745			2252		546		448	
Turn Bay Length (ft)	200		350	375		400				50
Base Capacity (vph)	102	2467	835	541	3169	347	334	402	143	228
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	803	0	1	0	0	20
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.19	0.43	0.19	0.44	1.36	0.35	0.36	0.27	0.91	0.30

## Intersection Summary

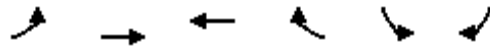
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 43: Miramar Rd &amp; Black Mountain Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	88	1235	3277	205	153	309
v/c Ratio	0.48	0.31	0.91	0.20	0.42	0.55
Control Delay	60.1	5.8	14.4	7.2	64.3	10.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	60.1	5.8	14.4	7.2	64.3	10.3
Queue Length 50th (ft)	45	85	360	46	75	5
Queue Length 95th (ft)	m77	191	m#1275	m49	85	26
Internal Link Dist (ft)		2252	999		1093	
Turn Bay Length (ft)	290			50	300	300
Base Capacity (vph)	447	4010	3589	1029	725	823
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.20	0.31	0.91	0.20	0.21	0.38

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



## Queues

## 44: Kearny Villa Rd &amp; Miramar Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	26	887	393	15	2385	92	673	647	11	157	443
v/c Ratio	0.36	0.36	0.35	0.23	1.01	0.13	1.06	1.00	0.03	0.32	0.84
Control Delay	71.4	43.2	5.3	97.3	44.6	2.1	109.1	93.1	0.1	58.7	69.3
Queue Delay	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	71.4	43.2	5.3	97.3	49.2	2.1	109.1	93.1	0.1	58.7	69.3
Queue Length 50th (ft)	22	305	7	15	-968	0	-420	371	0	71	197
Queue Length 95th (ft)	62	350	89	m23	#1069	m13	#562	#521	0	98	234
Internal Link Dist (ft)		999			405			1030			1969
Turn Bay Length (ft)	175		410	135		50	190		50	210	
Base Capacity (vph)	86	2444	1138	86	2361	696	633	649	373	572	602
Starvation Cap Reductn	0	0	0	0	34	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.30	0.36	0.35	0.17	1.02	0.13	1.06	1.00	0.03	0.27	0.74

## Intersection Summary

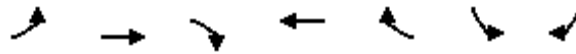
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 45: Miramar Rd/Pomerado Rd &amp; I-15 SB Ramps

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	1	528	624	995	891	138	1558
v/c Ratio	0.00	0.18	0.42	0.75	0.34	0.58	1.03
Control Delay	66.0	0.6	8.0	43.3	0.4	77.2	63.1
Queue Delay	0.0	0.3	0.0	2.1	0.0	0.0	29.7
Total Delay	66.0	0.9	8.0	45.4	0.4	77.2	92.8
Queue Length 50th (ft)	0	7	474	437	0	69	~903
Queue Length 95th (ft)	m3	14	577	522	0	101	#1012
Internal Link Dist (ft)		262		1083			
Turn Bay Length (ft)	25					500	
Base Capacity (vph)	726	2890	1477	1331	2600	457	1518
Starvation Cap Reductn	0	1685	0	0	0	0	0
Spillback Cap Reductn	0	0	0	200	0	0	381
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.44	0.42	0.88	0.34	0.30	1.37

## Intersection Summary








- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 46: I-15 NB Ramps &amp; Pomerado Rd

Existing

Timing Plan: AM Peak













							
Lane Group	EBT	EBR	WBL	WBT	WBR	NBL	NBR
Lane Group Flow (vph)	326	400	1	1144	176	740	587
v/c Ratio	0.31	0.54	0.01	0.37	0.21	0.78	0.38
Control Delay	17.0	5.1	31.0	9.8	2.4	27.1	3.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	17.0	5.1	31.0	9.8	2.4	27.1	3.9
Queue Length 50th (ft)	44	0	0	64	0	115	15
Queue Length 95th (ft)	77	35	5	111	27	228	59
Internal Link Dist (ft)	1083			784			
Turn Bay Length (ft)		225	900		250	580	580
Base Capacity (vph)	2590	1233	1007	6108	1476	3262	2701
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.13	0.32	0.00	0.19	0.12	0.23	0.22
Intersection Summary							

## Queues

## 47: Camino Santa Fe &amp; Carroll Rd

Existing

Timing Plan: AM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	71	156	171	53	310	55	303	314	125	90	640	300
v/c Ratio	0.30	0.62	0.25	0.13	0.71	0.14	0.76	0.23	0.12	0.56	0.73	0.42
Control Delay	63.4	71.9	2.9	49.9	62.7	3.0	66.5	31.4	1.3	80.9	56.2	12.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	63.4	71.9	2.9	49.9	62.7	3.0	66.5	31.4	1.3	80.9	56.2	12.2
Queue Length 50th (ft)	58	134	0	37	252	0	254	98	0	78	277	58
Queue Length 95th (ft)	132	263	26	97	486	10	467	177	16	176	464	157
Internal Link Dist (ft)	1173			1331			1413			1144		
Turn Bay Length (ft)	175		240	85		50	200		100	225		310
Base Capacity (vph)	538	566	995	552	580	510	807	2422	1120	403	1614	947
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.13	0.28	0.17	0.10	0.53	0.11	0.38	0.13	0.11	0.22	0.40	0.32
Intersection Summary												

## Queues

## 48: Camino Santa Fe &amp; Flanders Dr

Existing

Timing Plan: AM Peak



Lane Group	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	35	73	835	120	72	128	23	55	775	153
v/c Ratio	0.08	0.31	0.61	0.20	0.45	0.11	0.06	0.44	0.72	0.43
Control Delay	42.2	13.5	30.6	13.5	58.5	34.9	0.3	61.3	43.5	26.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	42.2	13.5	30.6	13.5	58.5	34.9	0.3	61.3	43.5	26.9
Queue Length 50th (ft)	11	0	215	18	44	23	0	34	169	48
Queue Length 95th (ft)	28	42	456	85	115	53	0	94	286	138
Internal Link Dist (ft)	652		277			2392			850	
Turn Bay Length (ft)		50		50	250		50	225		50
Base Capacity (vph)	1378	602	1374	594	528	3052	899	444	3032	882
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.12	0.61	0.20	0.14	0.04	0.03	0.12	0.26	0.17
Intersection Summary										

## Queues

Existing

## 49: Camino Ruiz &amp; Carroll Canyon Rd

Timing Plan: AM Peak



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	16	72	87	351	1491	37
v/c Ratio	0.07	0.41	0.45	0.12	0.63	0.04
Control Delay	36.1	17.1	40.9	1.8	11.5	6.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	36.1	17.1	40.9	1.8	11.5	6.4
Queue Length 50th (ft)	3	0	39	13	231	5
Queue Length 95th (ft)	11	25	86	25	377	19
Internal Link Dist (ft)	1013			1871	1348	
Turn Bay Length (ft)	245		370			50
Base Capacity (vph)	1743	839	654	3471	2758	1084
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.09	0.13	0.10	0.54	0.03
Intersection Summary						

## Queues

## 50: Camino Ruiz &amp; Activity Rd

Existing

Timing Plan: AM Peak



Lane Group	EBT	WBT	WBR	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	4	248	620	6	464	271	1074
v/c Ratio	0.01	0.75	0.68	0.05	0.39	0.71	0.52
Control Delay	0.0	39.9	12.9	37.2	13.9	38.7	12.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	0.0	39.9	12.9	37.2	13.9	38.7	12.2
Queue Length 50th (ft)	0	107	140	4	77	114	126
Queue Length 95th (ft)	0	153	186	m10	m86	#228	303
Internal Link Dist (ft)	181	514			819		1871
Turn Bay Length (ft)				130		170	
Base Capacity (vph)	696	523	908	418	1181	383	2074
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.47	0.68	0.01	0.39	0.71	0.52

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



## Queues

Existing

## 51: Carroll Canyon Rd/I-805 SB Ramps &amp; Sorrento Valley Rd

Timing Plan: AM Peak



Lane Group	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	350	163	13	360	751	65	116	1574	417	75
v/c Ratio	0.37	0.24	0.06	0.28	0.27	0.12	0.12	0.93	0.42	0.19
Control Delay	41.7	3.4	47.5	27.0	0.2	43.1	12.6	36.8	32.8	29.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	41.7	3.4	47.5	27.0	0.2	43.1	12.6	36.8	32.8	29.9
Queue Length 50th (ft)	78	0	8	92	0	20	11	511	124	40
Queue Length 95th (ft)	122	31	30	155	0	37	27	617	167	76
Internal Link Dist (ft)	686			487					267	
Turn Bay Length (ft)		180	350			245	315			50
Base Capacity (vph)	938	674	571	1995	2767	544	986	3408	3102	1249
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.37	0.24	0.02	0.18	0.27	0.12	0.12	0.46	0.13	0.06
Intersection Summary										

## Queues

## 52: I-805 NB Off-ramp &amp; Mira Mesa Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBT	NBR	SBL	SBR
Lane Group Flow (vph)	280	1623	1	779	525	54	2122	67	374
v/c Ratio	0.50	0.86	0.00	0.30	0.58	0.44	1.63	0.22	0.30
Control Delay	47.1	36.5	41.0	22.4	14.5	62.7	313.1	45.1	15.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	47.1	36.5	41.0	22.4	14.5	62.7	313.1	45.1	15.8
Queue Length 50th (ft)	94	381	1	107	191	37	-857	41	73
Queue Length 95th (ft)	155	462	6	132	282	84	#1088	93	124
Internal Link Dist (ft)		639		1100		423			
Turn Bay Length (ft)	350		25						
Base Capacity (vph)	978	2609	336	2816	937	708	1299	334	1590
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.29	0.62	0.00	0.28	0.56	0.08	1.63	0.20	0.24

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

Existing

## 53: Vista Sorrento Pkwy &amp; Lusk Blvd

Timing Plan: AM Peak



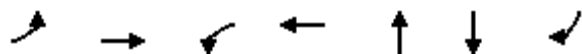
Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	72	128	557	1034	478
v/c Ratio	0.38	0.07	0.70	0.62	0.33
Control Delay	32.5	1.1	18.5	14.4	3.9
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	32.5	1.1	18.5	14.4	3.9
Queue Length 50th (ft)	25	0	56	134	49
Queue Length 95th (ft)	60	7	108	234	99
Internal Link Dist (ft)	488		2395		1722
Turn Bay Length (ft)	310			200	
Base Capacity (vph)	1714	1826	3101	1681	1863
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.04	0.07	0.18	0.62	0.26
Intersection Summary					

## Queues

## 54: Lusk Blvd &amp; Pacific Center Blvd

Existing

Timing Plan: AM Peak



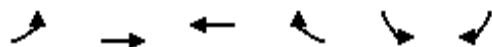
Lane Group	EBL	EBT	WBL	WBT	NBT	SBT	SBR
Lane Group Flow (vph)	423	277	23	461	8	22	73
v/c Ratio	0.52	0.10	0.09	0.37	0.02	0.06	0.13
Control Delay	20.4	5.7	28.1	9.8	14.7	18.9	3.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	20.4	5.7	28.1	9.8	14.7	18.9	3.0
Queue Length 50th (ft)	24	0	3	15	0	3	0
Queue Length 95th (ft)	148	63	35	96	12	27	19
Internal Link Dist (ft)		521		1342	104	1778	
Turn Bay Length (ft)	250		130				
Base Capacity (vph)	2787	3251	1437	3053	1423	1644	1433
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.15	0.09	0.02	0.15	0.01	0.01	0.05
Intersection Summary							

## Queues

## 55: Carroll Canyon Rd &amp; Scranton Rd

Existing

Timing Plan: AM Peak



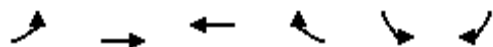
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	76	675	146	65	321	31
v/c Ratio	0.15	0.40	0.13	0.12	0.36	0.08
Control Delay	15.7	7.1	11.8	5.2	13.2	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	15.7	7.1	11.8	5.2	13.2	6.2
Queue Length 50th (ft)	7	40	12	0	28	0
Queue Length 95th (ft)	21	72	27	17	57	15
Internal Link Dist (ft)		2075	1816		262	
Turn Bay Length (ft)	170			130	90	
Base Capacity (vph)	2891	3574	3574	1599	3393	1423
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.19	0.04	0.04	0.09	0.02
Intersection Summary						

## Queues

Existing

## 56: Carroll Canyon Rd &amp; Pacific Heights Blvd

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	277	423	104	83	96	87
v/c Ratio	0.50	0.34	0.12	0.20	0.27	0.10
Control Delay	24.3	8.0	19.8	7.3	21.1	2.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	24.3	8.0	19.8	7.3	21.1	2.0
Queue Length 50th (ft)	65	55	12	0	20	0
Queue Length 95th (ft)	238	190	45	34	74	15
Internal Link Dist (ft)		211	979		448	
Turn Bay Length (ft)	125			50		
Base Capacity (vph)	1066	1856	3285	1358	1551	1299
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.26	0.23	0.03	0.06	0.06	0.07
Intersection Summary						

## Queues

## 57: Lusk Blvd &amp; Barnes Canyon Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	126	191	30	294	47	329	99	63	186
v/c Ratio	0.48	0.15	0.17	0.47	0.25	0.39	0.22	0.31	0.19
Control Delay	35.1	17.1	36.2	21.0	35.8	22.8	7.1	35.7	18.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	35.1	17.1	36.2	21.0	35.8	22.8	7.1	35.7	18.4
Queue Length 50th (ft)	36	18	9	33	14	48	0	18	23
Queue Length 95th (ft)	140	73	46	91	56	102	22	81	67
Internal Link Dist (ft)		535		868		1676			1342
Turn Bay Length (ft)	155		150		120		245	145	
Base Capacity (vph)	999	2571	996	2441	996	3234	1424	996	3137
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.13	0.07	0.03	0.12	0.05	0.10	0.07	0.06	0.06
Intersection Summary									

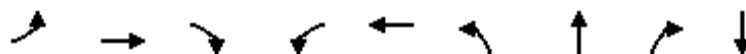


## Queues

## 58: Pacific Heights Blvd &amp; Pacific Center Blvd

Existing

Timing Plan: AM Peak



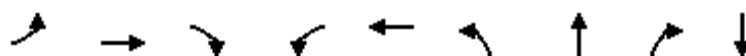
Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT
Lane Group Flow (vph)	33	143	68	16	40	318	39	105	12
v/c Ratio	0.14	0.13	0.06	0.08	0.04	0.45	0.05	0.15	0.03
Control Delay	29.6	14.8	0.7	30.8	18.1	16.9	14.5	5.1	27.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.6	14.8	0.7	30.8	18.1	16.9	14.5	5.1	27.2
Queue Length 50th (ft)	6	11	0	3	3	39	4	0	1
Queue Length 95th (ft)	39	42	3	23	15	222	36	31	5
Internal Link Dist (ft)	1778			1130			995		138
Turn Bay Length (ft)	190	270		220	90				
Base Capacity (vph)	1215	3299	1489	1215	3300	1465	1542	1297	2771
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.04	0.05	0.01	0.01	0.22	0.03	0.08	0.00
Intersection Summary									

## Queues

## 59: Pacific Mesa Blvd &amp; Pacific Center Blvd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT
Lane Group Flow (vph)	4	40	15	59	21	228	232	444	4
v/c Ratio	0.02	0.05	0.04	0.24	0.02	0.42	0.36	0.51	0.01
Control Delay	38.7	24.7	0.2	34.1	19.1	21.9	20.2	5.0	28.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.7	24.7	0.2	34.1	19.1	21.9	20.2	5.0	28.0
Queue Length 50th (ft)	1	4	0	15	1	49	49	0	1
Queue Length 95th (ft)	11	20	0	76	14	198	194	25	7
Internal Link Dist (ft)	1130		495			531		251	
Turn Bay Length (ft)	150	50		150	175				
Base Capacity (vph)	1098	3192	1318	1098	3191	1109	1321	1319	1424
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.01	0.01	0.05	0.01	0.21	0.18	0.34	0.00
Intersection Summary									

## Queues

Existing

## 60: Carroll Canyon Rd &amp; Business Access Rd

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	SBR
Lane Group Flow (vph)	21	665	181	8
v/c Ratio	0.07	0.20	0.06	0.01
Control Delay	14.6	1.0	2.7	0.0
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	14.6	1.0	2.7	0.0
Queue Length 50th (ft)	2	0	0	0
Queue Length 95th (ft)	18	33	19	0
Internal Link Dist (ft)		554	2075	
Turn Bay Length (ft)	175			50
Base Capacity (vph)	1660	3574	3556	1459
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.01	0.19	0.05	0.01
Intersection Summary				

## Queues

Existing

## 61: Scranton Rd &amp; Mira Sorrento Pl

Timing Plan: AM Peak



Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Group Flow (vph)	548	169	73	227	155
v/c Ratio	0.58	0.19	0.40	0.38	0.44
Control Delay	17.0	5.4	39.2	19.5	23.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	17.0	5.4	39.2	19.5	23.8
Queue Length 50th (ft)	148	10	30	73	45
Queue Length 95th (ft)	367	54	83	129	84
Internal Link Dist (ft)	1647			127	681
Turn Bay Length (ft)			110		
Base Capacity (vph)	996	910	747	1863	1461
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.55	0.19	0.10	0.12	0.11
Intersection Summary					

## Queues

Existing

## 62: Carroll Canyon Rd &amp; Youngstown Wy

Timing Plan: AM Peak




Lane Group	EBL	EBT	WBT	SBL
Lane Group Flow (vph)	26	896	231	32
v/c Ratio	0.10	0.27	0.08	0.13
Control Delay	15.3	1.7	3.7	10.9
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	15.3	1.7	3.7	10.9
Queue Length 50th (ft)	5	0	0	2
Queue Length 95th (ft)	19	72	32	9
Internal Link Dist (ft)		1816	749	438
Turn Bay Length (ft)	230			
Base Capacity (vph)	1507	3574	3495	1668
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.02	0.25	0.07	0.02
Intersection Summary				

## Queues

## 63: Black Mountain Rd &amp; Westview Pkwy

Existing

Timing Plan: AM Peak













							
Lane Group	WBL	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	42	251	1	802	23	245	1947
v/c Ratio	0.13	0.35	0.01	0.56	0.05	0.55	0.63
Control Delay	23.8	5.1	38.0	22.5	0.2	27.3	10.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	23.8	5.1	38.0	22.5	0.2	27.3	10.6
Queue Length 50th (ft)	12	0	0	79	0	68	103
Queue Length 95th (ft)	45	30	6	201	0	214	431
Internal Link Dist (ft)				3219			792
Turn Bay Length (ft)	165		265		50	250	
Base Capacity (vph)	1230	2013	922	4613	1322	1478	4827
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.12	0.00	0.17	0.02	0.17	0.40
Intersection Summary							

## Queues

## 64: Black Mountain Rd &amp; Capricorn Wy

Existing

Timing Plan: AM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	411	254	176	76	206	33	129	406	51	38	1347	613
v/c Ratio	1.16	0.30	0.43	0.66	0.54	0.14	0.76	0.15	0.06	0.49	0.55	0.82
Control Delay	160.8	59.6	29.2	110.8	85.0	1.2	101.4	14.0	4.1	107.9	36.3	45.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	160.8	59.6	29.2	110.8	85.0	1.2	101.4	14.0	4.1	107.9	36.3	45.0
Queue Length 50th (ft)	~602	139	82	95	132	0	145	58	0	47	418	549
Queue Length 95th (ft)	#819	175	154	145	158	0	216	138	29	91	553	#926
Internal Link Dist (ft)		209			123			612			3219	
Turn Bay Length (ft)	200		50	125		50	260		50	270		50
Base Capacity (vph)	355	856	413	318	644	336	378	2764	804	104	2462	752
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.16	0.30	0.43	0.24	0.32	0.10	0.34	0.15	0.06	0.37	0.55	0.82

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.



## Queues

## 65: Black Mountain Rd &amp; Achilles Wy/Galvin Ave

Existing

Timing Plan: AM Peak



Lane Group	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	16	115	116	92	1	562	218	49	1483	2
v/c Ratio	0.16	0.61	0.62	0.20	0.01	0.25	0.23	0.37	0.60	0.00
Control Delay	33.7	53.8	53.9	6.5	60.0	8.5	4.1	47.0	26.0	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Total Delay	33.7	53.8	53.9	6.5	60.0	8.5	4.1	47.0	26.2	0.0
Queue Length 50th (ft)	5	70	71	0	1	58	16	37	763	0
Queue Length 95th (ft)	16	98	98	19	m3	61	15	76	979	m0
Internal Link Dist (ft)	369		1499			365			606	
Turn Bay Length (ft)		195			145		50	250		50
Base Capacity (vph)	129	249	250	510	129	2226	968	202	2465	1029
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	347	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.12	0.46	0.46	0.18	0.01	0.25	0.23	0.24	0.70	0.00

## Intersection Summary

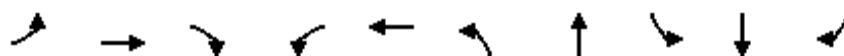
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 66: Black Mountain Rd &amp; Gemini Ave

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	188	218	218	32	48	239	494	48	1456	243
v/c Ratio	0.69	0.47	0.46	0.20	0.07	0.68	0.23	0.37	0.80	0.31
Control Delay	46.4	9.3	7.0	30.7	15.8	68.2	5.0	54.8	21.1	8.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Total Delay	46.4	9.3	7.0	30.7	15.8	68.2	5.0	54.8	21.5	8.2
Queue Length 50th (ft)	107	12	0	16	6	91	17	48	604	56
Queue Length 95th (ft)	131	46	33	36	17	103	80	m51	#775	61
Internal Link Dist (ft)	1034				682		714		365	
Turn Bay Length (ft)	160		85	75		150		130		50
Base Capacity (vph)	438	621	627	254	1076	398	2113	204	1825	783
Starvation Cap Reductn	0	0	0	0	0	0	0	0	96	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.43	0.35	0.35	0.13	0.04	0.60	0.23	0.24	0.84	0.31

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 67: Black Mountain Rd &amp; Hillery Dr

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	99	430	407	360	130	222	310	250	159	706	134
v/c Ratio	0.60	0.89	0.76	0.58	0.22	1.23	0.30	0.40	0.80	0.69	0.26
Control Delay	64.9	57.7	56.6	36.2	5.4	182.9	51.2	26.3	80.4	40.8	5.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	64.9	57.7	56.6	36.2	5.4	182.9	51.2	26.3	80.4	40.8	5.8
Queue Length 50th (ft)	72	271	152	211	0	~246	125	67	~131	246	0
Queue Length 95th (ft)	121	#443	197	319	42	#355	154	152	#292	315	41
Internal Link Dist (ft)		814		575			1161			1467	
Turn Bay Length (ft)	90		285		340	210		135	210		50
Base Capacity (vph)	238	508	668	643	618	180	1036	625	199	1018	508
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.42	0.85	0.61	0.56	0.21	1.23	0.30	0.40	0.80	0.69	0.26

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

## 68: Black Mountain Rd &amp; Miramar College Drwy

Existing

Timing Plan: AM Peak



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	39	21	743	254	270	1104
v/c Ratio	0.26	0.14	0.34	0.29	0.83	0.37
Control Delay	50.5	18.1	13.3	8.7	73.0	1.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	50.5	18.1	13.3	8.7	73.0	1.5
Queue Length 50th (ft)	29	0	130	42	215	34
Queue Length 95th (ft)	42	14	202	94	m271	80
Internal Link Dist (ft)	705		1420			1161
Turn Bay Length (ft)	170			50	160	
Base Capacity (vph)	379	343	2179	874	370	2996
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.10	0.06	0.34	0.29	0.73	0.37

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

# 69: Black Mountain Rd & Gold Coast Dr

Existing  
timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	160	201	402	41	277	213	245	414	19	174	925
v/c Ratio	0.71	0.33	0.90	0.40	0.63	0.62	0.80	0.34	0.04	0.78	0.86
Control Delay	78.5	41.6	71.0	82.4	58.8	44.1	76.9	36.1	0.2	82.7	53.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	78.5	41.6	71.0	82.4	58.8	44.1	76.9	36.1	0.2	82.7	53.7
Queue Length 50th (ft)	138	143	359	36	228	119	208	141	0	150	396
Queue Length 95th (ft)	234	232	#564	88	389	243	#422	239	0	287	594
Internal Link Dist (ft)		3131			794			840			1420
Turn Bay Length (ft)	145		50	145		50	310		50	210	
Base Capacity (vph)	399	604	449	399	561	421	395	1594	549	333	1520
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.33	0.90	0.10	0.49	0.51	0.62	0.26	0.03	0.52	0.61

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

Existing

## 70: Black Mountain Rd &amp; Carroll Canyon Rd

Timing Plan: AM Peak



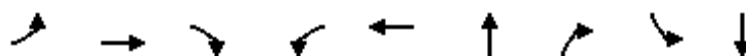
Lane Group	EBT	WBL	WBR	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	44	845	343	7	375	405	762
v/c Ratio	0.38	0.82	0.42	0.09	0.36	0.75	0.43
Control Delay	52.1	44.5	33.6	72.2	31.7	54.0	21.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	52.1	44.5	33.6	72.2	31.7	54.0	21.1
Queue Length 50th (ft)	25	301	116	5	120	147	182
Queue Length 95th (ft)	45	345	151	23	161	203	310
Internal Link Dist (ft)	236				584		840
Turn Bay Length (ft)		400	135	185		310	
Base Capacity (vph)	128	1404	1099	105	1045	539	1784
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	58
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.34	0.60	0.31	0.07	0.36	0.75	0.44
Intersection Summary							

## Queues

Existing

## 71: Maya Linda Rd &amp; Carroll Canyon Rd

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	10	483	26	87	1517	52	116	307	55
v/c Ratio	0.10	0.27	0.04	0.50	0.73	0.10	0.24	0.80	0.11
Control Delay	51.1	16.5	3.8	53.3	17.8	25.5	6.3	48.5	17.4
Queue Delay	0.0	0.0	0.0	0.0	19.4	0.0	0.0	0.0	0.0
Total Delay	51.1	16.5	3.8	53.3	37.3	25.5	6.3	48.5	17.4
Queue Length 50th (ft)	6	88	0	49	290	22	0	163	14
Queue Length 95th (ft)	26	159	11	116	624	43	17	310	47
Internal Link Dist (ft)		1791			247	1085			240
Turn Bay Length (ft)	145		50	60			50	55	
Base Capacity (vph)	566	2264	899	566	2183	770	652	560	745
Starvation Cap Reductn	0	0	0	0	704	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.02	0.21	0.03	0.15	1.03	0.07	0.18	0.55	0.07
Intersection Summary									



## Queues

Existing

## 72: Black Mountain Rd &amp; Maya Linda Rd

Timing Plan: AM Peak



Lane Group	EBT	WBL	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	44	132	24	8	307	16	12	1607
v/c Ratio	0.16	0.60	0.03	0.10	0.12	0.01	0.15	0.61
Control Delay	5.9	55.6	0.1	55.6	5.9	0.0	57.3	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Delay	5.9	55.6	0.1	55.6	5.9	0.0	57.3	6.8
Queue Length 50th (ft)	0	95	0	6	24	0	9	70
Queue Length 95th (ft)	15	119	0	23	79	0	m16	411
Internal Link Dist (ft)	213				873			584
Turn Bay Length (ft)		105	50	275			175	
Base Capacity (vph)	445	387	790	122	2615	1142	122	2614
Starvation Cap Reductn	0	0	0	0	0	0	0	183
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.10	0.34	0.03	0.07	0.12	0.01	0.10	0.66

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 73: Kearny Villa Rd &amp; Black Mountain Rd &amp; Carroll Center Rd

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	160	36	29	93	144	187	151	64	50	521	1070
v/c Ratio	0.13	0.06	0.06	0.57	0.33	0.71	0.14	0.13	0.41	0.68	0.97
Control Delay	30.2	28.9	0.2	67.2	40.1	64.1	30.9	3.0	66.7	48.1	34.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.2	28.9	0.2	67.2	40.1	64.1	30.9	3.0	66.7	48.1	34.0
Queue Length 50th (ft)	39	17	0	64	40	128	41	0	35	180	381
Queue Length 95th (ft)	95	51	0	118	63	247	81	13	94	311	#1160
Internal Link Dist (ft)		592			389		1969			873	
Turn Bay Length (ft)	220			70		180		50	220		250
Base Capacity (vph)	1190	956	832	465	1500	465	1546	655	460	1549	1105
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.13	0.04	0.03	0.20	0.10	0.40	0.10	0.10	0.11	0.34	0.97

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

HCM 6th TWSC  
74: Kearny Villa Rd & Kearny Mesa Rd

Existing  
Timing Plan: AM Peak

Intersection

Int Delay, s/veh 0

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑↑	↑↑			↑
Traffic Vol, veh/h	0	625	1289	185	0	1
Future Vol, veh/h	0	625	1289	185	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	92	92	25	25
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	665	1401	201	0	4

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	-	0	- 0 - 801
Stage 1	-	-	- - -
Stage 2	-	-	- - -
Critical Hdwy	-	-	- - 6.94
Critical Hdwy Stg 1	-	-	- - -
Critical Hdwy Stg 2	-	-	- - -
Follow-up Hdwy	-	-	- - 3.32
Pot Cap-1 Maneuver	0	-	- - 0 327
Stage 1	0	-	- - 0 -
Stage 2	0	-	- - 0 -
Platoon blocked, %	-	-	- - -
Mov Cap-1 Maneuver	-	-	- - 327
Mov Cap-2 Maneuver	-	-	- - -
Stage 1	-	-	- - -
Stage 2	-	-	- - -

Approach	EB	WB	SB
HCM Control Delay, s	0	0	16.1
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	-	-	-	327
HCM Lane V/C Ratio	-	-	-	0.012
HCM Control Delay (s)	-	-	-	16.1
HCM Lane LOS	-	-	-	C
HCM 95th %tile Q(veh)	-	-	-	0

## Queues

Existing

## 75: Black Mountain Rd &amp; Activity Rd

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	125	149	4	191	101	8	1265
v/c Ratio	0.45	0.42	0.03	0.55	0.04	0.06	1.02dr
Control Delay	42.1	14.0	51.7	41.4	6.8	50.7	16.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	42.1	14.0	51.7	41.4	6.8	50.7	16.3
Queue Length 50th (ft)	55	8	2	79	6	4	148
Queue Length 95th (ft)	167	78	14	235	32	25	401
Internal Link Dist (ft)		1264	135		1093		592
Turn Bay Length (ft)	120			155		120	
Base Capacity (vph)	905	873	725	707	2818	707	2450
Starvation Cap Reductn	0	0	0	0	0	0	10
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.14	0.17	0.01	0.27	0.04	0.01	0.52

## Intersection Summary

dr Defacto Right Lane. Recode with 1 though lane as a right lane.

## Queues

## 76: Westview Pkwy &amp; Mira Lee Way

Existing

Timing Plan: AM Peak



Lane Group	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	160	305	302	73	44	291	102	23	825
v/c Ratio	0.60	0.69	0.68	0.19	0.34	0.23	0.17	0.22	0.73
Control Delay	56.5	48.3	47.7	11.9	64.5	28.3	6.9	64.5	39.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	56.5	48.3	47.7	11.9	64.5	28.3	6.9	64.5	39.5
Queue Length 50th (ft)	107	207	204	3	31	79	0	16	276
Queue Length 95th (ft)	164	394	391	46	83	143	41	51	422
Internal Link Dist (ft)	147		558			686			781
Turn Bay Length (ft)				205	305		325	165	
Base Capacity (vph)	610	671	675	549	530	2120	961	530	2113
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.26	0.45	0.45	0.13	0.08	0.14	0.11	0.04	0.39
Intersection Summary									

## Queues

Existing

## 77: Westview Pkwy &amp; Galvin Ave

Timing Plan: AM Peak



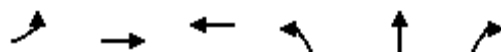
Lane Group	EBL	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	487	174	380	1239	112
v/c Ratio	0.65	0.55	0.16	0.77	0.17
Control Delay	16.8	41.7	5.3	23.3	13.2
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	16.8	41.7	5.3	23.3	13.2
Queue Length 50th (ft)	39	76	28	250	24
Queue Length 95th (ft)	77	185	64	486	75
Internal Link Dist (ft)	1499		1016	686	
Turn Bay Length (ft)		165			50
Base Capacity (vph)	1861	701	3379	2739	1091
Starvation Cap Reductn	0	0	0	10	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.26	0.25	0.11	0.45	0.10
Intersection Summary					

## Queues

Existing

## 78: I-15 NB Off-ramp/I-15 NB On-ramp &amp; Carroll Canyon Rd

Timing Plan: AM Peak



Lane Group	EBL	EBT	WBT	NBL	NBT	NBR
Lane Group Flow (vph)	275	561	980	1820	1734	1642
v/c Ratio	0.84	0.29	0.90	3.14	2.96	2.33
Control Delay	29.5	5.9	42.7	985.0	902.4	621.9
Queue Delay	0.0	0.0	4.9	0.0	0.0	0.0
Total Delay	29.5	5.9	47.7	985.0	902.4	621.9
Queue Length 50th (ft)	105	42	280	~1925	~1880	~1527
Queue Length 95th (ft)	m107	m44	#412	330	269	117
Internal Link Dist (ft)		303	947		291	
Turn Bay Length (ft)	125			365		165
Base Capacity (vph)	357	1937	1085	579	586	704
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	69	0	2	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.77	0.29	0.96	3.14	2.97	2.33

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

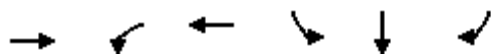


## Queues

Existing

## 79: I-15 SB On-ramp/I-15 SB Off-ramp &amp; Carroll Canyon Rd

Timing Plan: AM Peak



Lane Group	EBT	WBL	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	827	368	1176	622	634	1576
v/c Ratio	0.81	0.88	0.61	1.07	1.09	2.80
Control Delay	29.5	43.3	18.1	89.5	95.6	833.8
Queue Delay	0.5	0.0	18.3	0.0	0.0	0.0
Total Delay	30.0	43.3	36.5	89.5	95.6	833.8
Queue Length 50th (ft)	169	200	187	~417	~432	~1541
Queue Length 95th (ft)	#272	m98	m90	97	100	225
Internal Link Dist (ft)	247		303		883	
Turn Bay Length (ft)		115				50
Base Capacity (vph)	1025	458	1937	579	580	562
Starvation Cap Reductn	31	0	780	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.83	0.80	1.02	1.07	1.09	2.80

## Intersection Summary

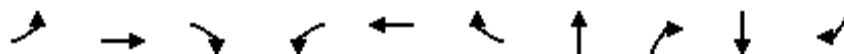
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 80: Kearny Mesa Rd &amp; Miramar Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	26	986	34	22	2258	19	201	106	34	23
v/c Ratio	0.34	0.29	0.04	0.29	0.66	0.02	0.84	0.40	0.20	0.08
Control Delay	97.0	3.0	1.3	76.5	18.5	0.7	87.3	57.6	52.2	0.9
Queue Delay	0.0	0.1	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0
Total Delay	97.0	3.1	1.3	76.5	26.0	0.7	87.3	57.6	52.2	0.9
Queue Length 50th (ft)	27	56	0	21	576	0	192	93	29	0
Queue Length 95th (ft)	63	65	3	m23	m686	m0	265	142	55	0
Internal Link Dist (ft)		405			262		838		455	
Turn Bay Length (ft)	160		50	170		50		50		50
Base Capacity (vph)	193	3419	951	193	3400	945	309	339	238	374
Starvation Cap Reductn	0	1012	0	0	1114	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	586	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.13	0.41	0.04	0.11	0.99	0.02	0.65	0.31	0.14	0.06

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 81: Camino Santa Fe &amp; Top Gun St

Timing Plan: AM Peak



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	89	123	194	253	425	485
v/c Ratio	0.30	0.33	0.53	0.12	0.38	0.75
Control Delay	26.6	8.5	29.5	5.1	17.1	16.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.6	8.5	29.5	5.1	17.1	16.7
Queue Length 50th (ft)	24	0	51	13	50	49
Queue Length 95th (ft)	73	30	177	45	137	231
Internal Link Dist (ft)	719			668	2022	
Turn Bay Length (ft)	265		270			50
Base Capacity (vph)	1336	1225	1018	3517	3267	1350
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.07	0.10	0.19	0.07	0.13	0.36
Intersection Summary						

## Queues

## 82: Camino Santa Fe &amp; Miratech Dr

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	16	15	5	31	198	1089	214
v/c Ratio	0.07	0.05	0.02	0.09	0.05	0.32	0.21
Control Delay	31.6	0.4	0.0	31.5	7.7	11.8	10.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	31.6	0.4	0.0	31.5	7.7	11.8	10.8
Queue Length 50th (ft)	4	0	0	4	6	42	14
Queue Length 95th (ft)	17	0	0	24	42	261	136
Internal Link Dist (ft)		465			1524	2392	
Turn Bay Length (ft)	280		375	270			50
Base Capacity (vph)	1331	1283	1205	2039	4673	4673	1343
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.01	0.00	0.02	0.04	0.23	0.16
Intersection Summary							

## Queues

Existing

## 83: Camino Santa Fe &amp; Summers Ridge Rd

Timing Plan: AM Peak



Lane Group	EBL	EBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	1	15	77	220	1	1048	19
v/c Ratio	0.00	0.02	0.17	0.05	0.01	0.34	0.02
Control Delay	13.0	0.1	23.8	6.4	28.0	10.2	1.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	13.0	0.1	23.8	6.4	28.0	10.2	1.5
Queue Length 50th (ft)	0	0	8	0	0	35	0
Queue Length 95th (ft)	3	0	41	46	6	220	4
Internal Link Dist (ft)				1077		1524	
Turn Bay Length (ft)	270	230	245		270		50
Base Capacity (vph)	1551	2450	2461	4781	1269	4776	1371
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.01	0.03	0.05	0.00	0.22	0.01
Intersection Summary							

## Queues

## 84: Camino Santa Fe &amp; Trade St

Existing

Timing Plan: AM Peak



Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	8	121	112	16	258	154	125	900	13
v/c Ratio	0.03	0.32	0.29	0.10	0.29	0.36	0.40	0.56	0.02
Control Delay	0.3	30.2	23.9	42.1	24.2	14.6	35.1	19.1	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	0.3	30.2	23.9	42.1	24.2	14.6	35.1	19.1	0.1
Queue Length 50th (ft)	0	28	18	4	32	14	31	76	0
Queue Length 95th (ft)	0	146	114	36	124	97	155	400	0
Internal Link Dist (ft)	179		1091		1144			923	
Turn Bay Length (ft)		290		185		50	200		50
Base Capacity (vph)	1254	1179	1127	955	3051	1259	955	3051	1251
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.10	0.10	0.02	0.08	0.12	0.13	0.29	0.01
Intersection Summary									

## Queues

Existing

## 85: Nancy Ridge Rd &amp; Carroll Canyon Rd

Timing Plan: AM Peak



Lane Group	EBT	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	912	45	182	83	17
v/c Ratio	0.47	0.10	0.08	0.29	0.06
Control Delay	10.4	4.3	4.5	21.7	10.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	10.4	4.3	4.5	21.7	10.5
Queue Length 50th (ft)	95	4	9	20	0
Queue Length 95th (ft)	165	12	19	46	10
Internal Link Dist (ft)	749		129	569	
Turn Bay Length (ft)		75		80	
Base Capacity (vph)	3413	1191	3574	1484	1329
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.27	0.04	0.05	0.06	0.01
Intersection Summary					



## Queues

## 86: Rehco Rd &amp; Carroll Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBT	SBT
Lane Group Flow (vph)	61	376	10	52	713	224	24	67
v/c Ratio	0.13	0.27	0.01	0.07	0.51	0.21	0.09	0.25
Control Delay	6.1	5.4	1.6	5.6	8.1	4.1	12.9	16.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	6.1	5.4	1.6	5.6	8.1	4.1	12.9	16.0
Queue Length 50th (ft)	5	33	0	4	87	12	3	11
Queue Length 95th (ft)	27	116	3	23	283	54	11	35
Internal Link Dist (ft)		393			1173		388	502
Turn Bay Length (ft)	110		50	150		50		
Base Capacity (vph)	580	1751	1359	939	1748	1339	1106	1015
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.11	0.21	0.01	0.06	0.41	0.17	0.02	0.07
Intersection Summary								

## Queues

## 87: Carroll Rd &amp; Kenamar Dr

Existing

Timing Plan: AM Peak



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	4	142	9	2	546	195	36	204	4
v/c Ratio	0.01	0.36	0.02	0.01	0.60	0.17	0.17	0.19	0.00
Control Delay	0.0	26.0	0.1	34.0	16.3	1.3	31.6	8.0	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Total Delay	0.0	26.0	0.1	34.0	16.5	1.3	31.6	8.0	0.0
Queue Length 50th (ft)	0	42	0	1	132	2	11	23	0
Queue Length 95th (ft)	0	107	0	8	344	21	42	91	0
Internal Link Dist (ft)	75	540			753			1605	
Turn Bay Length (ft)			100	275			130		50
Base Capacity (vph)	1368	1346	1178	1079	1730	1506	1079	1730	1291
Starvation Cap Reductn	0	0	0	0	379	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.11	0.01	0.00	0.40	0.13	0.03	0.12	0.00
Intersection Summary									

Queues  
88: Camino Ruiz & Teresa Dr/Capricorn Wy

Existing  
Timing Plan: AM Peak



Lane Group	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	88	87	317	228	35	540	126	79	493	2
v/c Ratio	0.13	0.13	0.62	0.33	0.20	0.58	0.31	0.35	0.43	0.00
Control Delay	14.9	4.4	23.4	7.3	35.1	24.8	15.7	34.6	20.0	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	14.9	4.4	23.4	7.3	35.1	24.8	15.7	34.6	20.0	0.0
Queue Length 50th (ft)	22	0	99	19	13	98	21	29	84	0
Queue Length 95th (ft)	57	26	181	54	39	151	57	77	146	0
Internal Link Dist (ft)	370		457			3317			1936	
Turn Bay Length (ft)		70		130	140		50	140		50
Base Capacity (vph)	1113	1072	870	1069	874	3026	1206	874	3026	1207
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.08	0.08	0.36	0.21	0.04	0.18	0.10	0.09	0.16	0.00
Intersection Summary										

## Queues

## 89: Camino Ruiz &amp; Gold Coast Dr

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	374	218	166	153	272	58	337	26	91	819	159
v/c Ratio	1.07	0.34	0.26	1.34	0.75	0.91	0.31	0.05	0.69	0.71	0.27
Control Delay	105.4	23.5	3.1	237.1	45.2	135.2	25.9	0.1	66.5	30.2	3.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	105.4	23.5	3.1	237.1	45.2	135.2	25.9	0.1	66.5	30.2	3.4
Queue Length 50th (ft)	~232	90	0	~115	147	34	80	0	51	211	0
Queue Length 95th (ft)	#340	102	0	#235	203	#99	109	0	#96	237	17
Internal Link Dist (ft)		546			2084		955			505	
Turn Bay Length (ft)	115		50	215		130		50	100		50
Base Capacity (vph)	351	647	632	114	530	64	1073	574	142	1157	586
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.07	0.34	0.26	1.34	0.51	0.91	0.31	0.05	0.64	0.71	0.27

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

Existing

## 90: Westview Pkwy &amp; Capricorn Wy/Dauntless St

Timing Plan: AM Peak



Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	29	360	96	61	163	228	34	2	440	48
v/c Ratio	0.09	0.59	0.32	0.15	0.46	0.12	0.04	0.01	0.43	0.11
Control Delay	18.2	7.0	20.8	14.1	26.1	7.8	3.6	31.0	17.2	8.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	18.2	7.0	20.8	14.1	26.1	7.8	3.6	31.0	17.2	8.1
Queue Length 50th (ft)	6	0	20	9	34	10	0	1	44	1
Queue Length 95th (ft)	26	34	58	32	142	59	13	8	138	26
Internal Link Dist (ft)	1376			824		781			3018	
Turn Bay Length (ft)		130	100		270		50	140		50
Base Capacity (vph)	1340	1368	1161	1498	1183	3305	1280	1183	3309	1265
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.02	0.26	0.08	0.04	0.14	0.07	0.03	0.00	0.13	0.04

## Intersection Summary







HCM 6th AWSC  
91: Camino Ruiz & Aquarius Dr

Existing  
Timing Plan: AM Peak

Intersection

Intersection Delay, s/veh89.4

Intersection LOS F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations													
Traffic Vol, veh/h	7	20	69	92	16	543	0	32	519	68	71	189	0
Future Vol, veh/h	7	20	69	92	16	543	0	32	519	68	71	189	0
Peak Hour Factor	0.73	0.73	0.73	0.94	0.94	0.94	0.92	0.92	0.92	0.92	0.85	0.85	0.85
Heavy Vehicles, %	2	2	2	2	2	2	6	6	6	6	6	6	6
Mvmt Flow	10	27	95	98	17	578	0	35	564	74	84	222	0
Number of Lanes	0	1	0	0	1	0	0	1	2	0	1	2	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	3	3
Conflicting Approach Left SB		NB	EB	WB
Conflicting Lanes Left	3	3	1	1
Conflicting Approach Right NB		SB	WB	EB
Conflicting Lanes Right	3	3	1	1
HCM Control Delay	15.1	195	29.4	14
HCM LOS	C	F	D	B

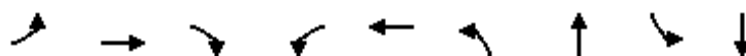
Lane	NBLn1	NBLn2	NBLn3	EBLn1	WBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	100%	0%	0%	7%	14%	100%	0%	0%
Vol Thru, %	0%	100%	72%	21%	2%	0%	100%	100%
Vol Right, %	0%	0%	28%	72%	83%	0%	0%	0%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	32	346	241	96	651	71	95	95
LT Vol	32	0	0	7	92	71	0	0
Through Vol	0	346	173	20	16	0	95	95
RT Vol	0	0	68	69	543	0	0	0
Lane Flow Rate	35	376	262	132	693	84	111	111
Geometry Grp	7	7	7	7	7	7	7	7
Degree of Util (X)	0.078	0.793	0.538	0.293	1.359	0.202	0.254	0.198
Departure Headway (Hd)	9.156	8.629	8.42	8.804	7.063	9.873	9.34	7.421
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	394	421	432	410	512	366	387	487
Service Time	6.856	6.329	6.12	6.504	4.84	7.573	7.04	5.121
HCM Lane V/C Ratio	0.089	0.893	0.606	0.322	1.354	0.23	0.287	0.228
HCM Control Delay	12.6	37.2	20.5	15.1	195	15.1	15.2	11.9
HCM Lane LOS	B	E	C	C	F	C	C	B
HCM 95th-tile Q	0.3	7	3.1	1.2	30.9	0.7	1	0.7

## Queues

## 92: Pacific Heights Blvd &amp; Barnes Canyon Rd

Existing

Timing Plan: AM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	185	11	89	17	23	364	536	12	85
v/c Ratio	0.54	0.02	0.17	0.06	0.06	0.56	0.30	0.08	0.11
Control Delay	26.2	17.8	6.0	19.5	15.6	26.1	10.5	33.6	14.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.2	17.8	6.0	19.5	15.6	26.1	10.5	33.6	14.8
Queue Length 50th (ft)	47	2	0	5	4	52	45	4	7
Queue Length 95th (ft)	137	15	26	15	14	140	136	16	16
Internal Link Dist (ft)		868			93		499		995
Turn Bay Length (ft)	185					230		150	
Base Capacity (vph)	827	1341	1124	982	1263	1561	3253	955	3068
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.22	0.01	0.08	0.02	0.02	0.23	0.16	0.01	0.03
Intersection Summary									


























# HCM 6th Signalized Intersection Summary

## 1: Vista Sorrento Pkwy & Sorrento Valley Blvd

Existing  
Timing Plan: PM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	129	734	59	31	237	266	438	827	421	498	84	103
Future Volume (veh/h)	129	734	59	31	237	266	438	827	421	498	84	103
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	1.00		0.98	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	152	864	69	36	276	309	461	871	443	535	90	111
Peak Hour Factor	0.85	0.85	0.85	0.86	0.86	0.86	0.95	0.95	0.95	0.93	0.93	0.93
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	175	972	78	47	392	335	631	825	414	588	309	412
Arrive On Green	0.10	0.30	0.30	0.03	0.22	0.22	0.35	0.35	0.35	0.17	0.17	0.17
Sat Flow, veh/h	1753	3271	261	1753	1749	1496	1781	2328	1169	3563	1870	1539
Grp Volume(v), veh/h	152	462	471	36	276	309	461	697	617	535	90	111
Grp Sat Flow(s),veh/h/ln	1753	1749	1784	1753	1749	1496	1781	1870	1627	1781	1870	1539
Q Serve(g_s), s	12.1	35.6	35.6	2.9	20.5	28.5	31.8	50.0	50.0	20.8	6.0	8.1
Cycle Q Clear(g_c), s	12.1	35.6	35.6	2.9	20.5	28.5	31.8	50.0	50.0	20.8	6.0	8.1
Prop In Lane	1.00		0.15	1.00		1.00	1.00		0.72	1.00		1.00
Lane Grp Cap(c), veh/h	175	520	530	47	392	335	631	663	577	588	309	412
V/C Ratio(X)	0.87	0.89	0.89	0.77	0.70	0.92	0.73	1.05	1.07	0.91	0.29	0.27
Avail Cap(c_a), veh/h	373	744	759	373	744	636	631	663	577	1515	795	812
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	62.6	47.4	47.4	68.2	50.4	53.5	39.7	45.5	45.5	57.9	51.7	41.1
Incr Delay (d2), s/veh	5.1	7.3	7.2	9.2	0.9	4.5	3.8	49.5	57.4	2.3	0.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.5	16.1	16.4	1.4	8.9	10.9	14.0	31.2	28.4	9.2	2.7	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	67.7	54.7	54.6	77.5	51.3	58.0	43.4	95.0	102.9	60.2	51.9	41.2
LnGrp LOS	E	D	D	E	D	E	D	F	F	E	D	D
Approach Vol, veh/h	1085			621			1775			736		
Approach Delay, s/veh	56.4			56.1			84.4			56.3		
Approach LOS	E			E			F			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	8.2	47.6		29.3	18.5	37.3		56.0				
Change Period (Y+Rc), s	4.4	* 5.7		6.0	4.4	5.7		6.0				
Max Green Setting (Gmax), s	30.0	* 60		60.0	30.0	60.0		50.0				
Max Q Clear Time (g_c+I1), s	4.9	37.6		22.8	14.1	30.5		52.0				
Green Ext Time (p_c), s	0.0	1.6		0.5	0.0	1.1		0.0				

### Intersection Summary

HCM 6th Ctrl Delay	68.1
HCM 6th LOS	E

### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 2: Camino Santa Fe & Sorrento Valley Blvd/Calle Cristobal

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	1253	295	78	141	0	244	0	694	0	0	0
Future Volume (veh/h)	1	1253	295	78	141	0	244	0	694	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1870	1841	1841	1841	1841	0	1870	1870	1870			
Adj Flow Rate, veh/h	1	1424	335	87	157	0	166	0	797			
Peak Hour Factor	0.88	0.88	0.88	0.90	0.90	0.90	0.98	0.98	0.98			
Percent Heavy Veh, %	2	4	4	4	4	0	2	2	2			
Cap, veh/h	2	1880	818	144	2024	0	493	0	1009			
Arrive On Green	0.00	0.54	0.54	0.04	0.58	0.00	0.28	0.00	0.28			
Sat Flow, veh/h	1781	3497	1522	3401	3589	0	1781	0	3164			
Grp Volume(v), veh/h	1	1424	335	87	157	0	166	0	797			
Grp Sat Flow(s),veh/h/ln	1781	1749	1522	1700	1749	0	1781	0	1582			
Q Serve(g_s), s	0.1	31.6	13.0	2.5	2.0	0.0	7.4	0.0	22.8			
Cycle Q Clear(g_c), s	0.1	31.6	13.0	2.5	2.0	0.0	7.4	0.0	22.8			
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	2	1880	818	144	2024	0	493	0	1009			
V/C Ratio(X)	0.51	0.76	0.41	0.61	0.08	0.00	0.34	0.00	0.79			
Avail Cap(c_a), veh/h	537	2107	917	1024	2132	0	715	0	1405			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	49.7	18.0	13.6	46.9	9.2	0.0	28.7	0.0	30.9			
Incr Delay (d2), s/veh	60.8	1.8	0.6	1.5	0.0	0.0	0.3	0.0	1.8			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.1	11.6	4.1	1.1	0.7	0.0	3.1	0.0	8.4			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	110.6	19.8	14.3	48.4	9.3	0.0	29.0	0.0	32.7			
LnGrp LOS	F	B	B	D	A	A	C	A	C			
Approach Vol, veh/h	1760			244			963					
Approach Delay, s/veh	18.8			23.2			32.1					
Approach LOS	B			C			C					
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	59.8				4.1	63.9		31.5				
Change Period (Y+Rc), s	4.0	6.3			4.0	* 6.3		4.0				
Max Green Setting (Gmax), s	30.0	60.0			30.0	* 61		40.0				
Max Q Clear Time (g_c+I), s	11.5	33.6			2.1	4.0		24.8				
Green Ext Time (p_c), s	0.1	19.9			0.0	1.8		2.7				

### Intersection Summary

HCM 6th Ctrl Delay	23.4
HCM 6th LOS	C

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 3: Camino Ruiz & Calle Cristobal

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↰	↱		↰	↱	↰	↱	↰	↱	↰	↱
Traffic Volume (veh/h)	3	2	1418	2	0	0	294	33	3	0	15	6
Future Volume (veh/h)	3	2	1418	2	0	0	294	33	3	0	15	6
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.95	1.00		0.93
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1826	1826	1826	1870	1870	1870	1811	1811	1811	1870	1870	1870
Adj Flow Rate, veh/h	3	2	1576	8	0	0	363	41	4	0	20	8
Peak Hour Factor	0.90	0.90	0.90	0.25	0.25	0.25	0.81	0.81	0.81	0.75	0.75	0.75
Percent Heavy Veh, %	5	5	5	2	2	2	6	6	6	2	2	2
Cap, veh/h	582	366	1910	293	0	0	486	524	423	3	188	69
Arrive On Green	0.56	0.56	0.56	0.56	0.00	0.00	0.15	0.29	0.29	0.00	0.08	0.08
Sat Flow, veh/h	883	656	2711	324	0	0	3346	1811	1462	1781	2494	910
Grp Volume(v), veh/h	5	0	1576	8	0	0	363	41	4	0	14	14
Grp Sat Flow(s),veh/h/ln	1539	0	1356	324	0	0	1673	1811	1462	1781	1777	1627
Q Serve(g_s), s	0.0	0.0	26.5	0.7	0.0	0.0	6.7	1.1	0.1	0.0	0.5	0.5
Cycle Q Clear(g_c), s	0.1	0.0	26.5	0.8	0.0	0.0	6.7	1.1	0.1	0.0	0.5	0.5
Prop In Lane	0.60		1.00	1.00		0.00	1.00		1.00	1.00		0.56
Lane Grp Cap(c), veh/h	949	0	1910	293	0	0	486	524	423	3	134	123
V/C Ratio(X)	0.01	0.00	0.83	0.03	0.00	0.00	0.75	0.08	0.01	0.00	0.10	0.12
Avail Cap(c_a), veh/h	1045	0	2081	293	0	0	3119	1969	1590	830	1104	1011
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	6.3	0.0	6.7	6.5	0.0	0.0	26.4	16.6	16.3	0.0	27.7	27.8
Incr Delay (d2), s/veh	0.0	0.0	2.8	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	5.3	0.0	0.0	0.0	2.5	0.4	0.0	0.0	0.2	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	6.3	0.0	9.6	6.5	0.0	0.0	27.2	16.7	16.3	0.0	27.8	27.9
LnGrp LOS	A	A	A	A	A	A	C	B	B	A	C	C
Approach Vol, veh/h	1581			8			408			28		
Approach Delay, s/veh	9.5			6.5			26.1			27.9		
Approach LOS	A			A			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	23.5			40.9	13.8	9.8		40.9				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	30.0	70.0		40.0	60.0	40.0		30.0				
Max Q Clear Time (g_c+I), s	10.0	3.1		28.5	8.7	2.5		2.8				
Green Ext Time (p_c), s	0.0	0.3		7.5	0.7	0.1		0.1				
<b>Intersection Summary</b>												
HCM 6th Ctrl Delay				13.1								
HCM 6th LOS				B								

# HCM 6th Signalized Intersection Summary

## 4: Alemania Rd & Mercy Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	42	825	0	12	954	133	0	0	4	110	0	30
Future Volume (veh/h)	42	825	0	12	954	133	0	0	4	110	0	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	47	917	0	12	984	137	0	0	12	129	0	35
Peak Hour Factor	0.90	0.90	0.90	0.97	0.97	0.97	0.33	0.33	0.33	0.85	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	70	1934	863	22	1838	802	0	0	220	347	0	220
Arrive On Green	0.04	0.54	0.00	0.01	0.52	0.52	0.00	0.00	0.14	0.14	0.00	0.14
Sat Flow, veh/h	1781	3554	1585	1781	3554	1551	0	0	1585	1336	0	1585
Grp Volume(v), veh/h	47	917	0	12	984	137	0	0	12	129	0	35
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1551	0	0	1585	1336	0	1585
Q Serve(g_s), s	1.2	7.1	0.0	0.3	8.3	2.1	0.0	0.0	0.3	3.9	0.0	0.9
Cycle Q Clear(g_c), s	1.2	7.1	0.0	0.3	8.3	2.1	0.0	0.0	0.3	4.2	0.0	0.9
Prop In Lane	1.00		1.00	1.00		1.00	0.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	70	1934	863	22	1838	802	0	0	220	347	0	220
V/C Ratio(X)	0.67	0.47	0.00	0.54	0.54	0.17	0.00	0.00	0.05	0.37	0.00	0.16
Avail Cap(c_a), veh/h	1196	4770	2128	1196	4810	2099	0	0	1418	1407	0	1418
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	21.2	6.3	0.0	21.9	7.2	5.7	0.0	0.0	16.7	18.5	0.0	16.9
Incr Delay (d2), s/veh	4.0	0.4	0.0	7.5	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	1.4	0.0	0.1	1.6	0.4	0.0	0.0	0.1	1.1	0.0	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.2	6.6	0.0	29.5	7.4	5.8	0.0	0.0	16.7	18.8	0.0	17.1
LnGrp LOS	C	A	A	C	A	A	A	A	B	B	A	B
Approach Vol, veh/h	964			1133			12			164		
Approach Delay, s/veh	7.5			7.5			16.7			18.4		
Approach LOS	A			A			B			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	4.6	29.9		10.2	5.8	28.7		10.2				
Change Period (Y+Rc), s	4.0	5.6		4.0	4.0	* 5.6		4.0				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	* 61		40.0				
Max Q Clear Time (g_c+I), s	12.3	9.1		6.2	3.2	10.3		2.3				
Green Ext Time (p_c), s	0.0	15.2		0.5	0.0	7.4		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 8.3  
HCM 6th LOS A

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 5: I-15 SB On-ramp/I-15 SB Off-ramp & Mercy Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑	↑	↔↔	↑↑					↑	↔	↑
Traffic Volume (veh/h)	0	763	148	1046	798	0	0	0	0	702	3	321
Future Volume (veh/h)	0	763	148	1046	798	0	0	0	0	702	3	321
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1870	1870	1870	1870	0				1870	1870	1870
Adj Flow Rate, veh/h	0	838	163	1149	877	0				845	0	226
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91				0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	0				2	2	2
Cap, veh/h	0	1112	314	1219	2135	0				966	0	430
Arrive On Green	0.00	0.20	0.20	0.35	0.60	0.00				0.27	0.00	0.27
Sat Flow, veh/h	0	5611	1585	3456	3647	0				3563	0	1585
Grp Volume(v), veh/h	0	838	163	1149	877	0				845	0	226
Grp Sat Flow(s),veh/h/ln	0	1870	1585	1728	1777	0				1781	0	1585
Q Serve(g_s), s	0.0	13.3	8.7	30.4	12.3	0.0				21.4	0.0	11.4
Cycle Q Clear(g_c), s	0.0	13.3	8.7	30.4	12.3	0.0				21.4	0.0	11.4
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	1112	314	1219	2135	0				966	0	430
V/C Ratio(X)	0.00	0.75	0.52	0.94	0.41	0.00				0.87	0.00	0.53
Avail Cap(c_a), veh/h	0	1783	504	1281	2624	0				1698	0	756
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	35.7	33.8	29.6	10.0	0.0				32.9	0.0	29.2
Incr Delay (d2), s/veh	0.0	0.4	0.5	13.0	0.0	0.0				1.0	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	5.8	3.2	13.6	3.9	0.0				9.1	0.0	4.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	36.1	34.3	42.6	10.0	0.0				33.9	0.0	29.6
LnGrp LOS	A	D	C	D	B	A				C	A	C
Approach Vol, veh/h		1001			2026						1071	
Approach Delay, s/veh		35.8			28.5						33.0	
Approach LOS		D			C						C	
Timer - Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	38.0	25.7		30.7		63.7						
Change Period (Y+Rc), s	4.7	7.0		5.1		7.0						
Max Green Setting (Gmax), s	35.0	30.0		45.0		69.7						
Max Q Clear Time (g_c+R), s	15.3	15.3		23.4		14.3						
Green Ext Time (p_c), s	0.9	3.4		2.2		3.8						

### Intersection Summary

HCM 6th Ctrl Delay	31.5
HCM 6th LOS	C

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 6: I-15 NB Off-ramp/I-15 NB On-ramp & Mercy Rd/Scripps Poway Pkwy

Existing

Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔↔	↑↑		↔	↑↑↑	↔	↔	↔	↔			
Traffic Volume (veh/h)	321	1146	0	1	1592	775	263	16	734	0	0	0
Future Volume (veh/h)	321	1146	0	1	1592	775	263	16	734	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1870	1870	0	1870	1870	1870	1870	1870	1870			
Adj Flow Rate, veh/h	341	1219	0	1	1676	816	292	0	781			
Peak Hour Factor	0.94	0.94	0.94	0.95	0.95	0.95	0.94	0.94	0.94			
Percent Heavy Veh, %	2	2	0	2	2	2	2	2	2			
Cap, veh/h	407	2023	0	73	2507	768	934	0	961			
Arrive On Green	0.12	0.57	0.00	0.04	0.49	0.49	0.26	0.00	0.26			
Sat Flow, veh/h	3456	3647	0	1781	5106	1565	3563	0	3170			
Grp Volume(v), veh/h	341	1219	0	1	1676	816	292	0	781			
Grp Sat Flow(s),veh/h/ln	728	1777	0	1781	1702	1565	1781	0	1585			
Q Serve(g_s), s	11.8	27.5	0.0	0.1	30.4	60.0	8.1	0.0	27.8			
Cycle Q Clear(g_c), s	11.8	27.5	0.0	0.1	30.4	60.0	8.1	0.0	27.8			
Prop In Lane	1.00		0.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	407	2023	0	73	2507	768	934	0	961			
V/C Ratio(X)	0.84	0.60	0.00	0.01	0.67	1.06	0.31	0.00	0.81			
Avail Cap(c_a), veh/h	990	2187	0	292	2507	768	1195	0	1193			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(l)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	52.8	17.3	0.0	56.2	23.6	31.1	36.2	0.0	39.4			
Incr Delay (d2), s/veh	1.8	0.3	0.0	0.1	0.6	50.1	0.1	0.0	2.9			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	15.1	10.3	0.0	0.0	11.4	31.1	3.5	0.0	11.1			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	54.6	17.5	0.0	56.3	24.1	81.2	36.3	0.0	42.3			
LnGrp LOS	D	B	A	E	C	F	D	A	D			
Approach Vol, veh/h	1560			2493			1073					
Approach Delay, s/veh	25.6			42.8			40.6					
Approach LOS	C			D			D					
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	9.5	75.6			19.1	66.0		37.1				
Change Period (Y+Rc), s	4.5	6.0			* 4.7	6.0		5.1				
Max Green Setting (Gmax), s	20.0	75.2			* 35	60.0		41.0				
Max Q Clear Time (g_c+I_T), s	12.1	29.5			13.8	62.0		29.8				
Green Ext Time (p_c), s	0.0	6.3			0.6	0.0		2.2				

### Intersection Summary

HCM 6th Ctrl Delay 37.1

HCM 6th LOS D

### Notes






User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



HCM 6th TWSC  
7: Black Mountain Rd & Babauta Rd

























Existing  
Timing Plan: PM Peak

Intersection												
Int Delay, s/veh	0.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	0	6	0	0	20	0	1983	23	13	1263	18
Future Vol, veh/h	0	0	6	0	0	20	0	1983	23	13	1263	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	5	5	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	-	-	-	210	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	75	75	75	71	71	71	95	95	95	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2	3	3	3	3	3	3
Mvmt Flow	0	0	8	0	0	28	0	2087	24	14	1358	19
Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	-	-	689	-	-	1061	-	0	0	2116	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	7.14	-	-	-	5.36	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.92	-	-	3.92	-	-	-	3.13	-	-
Pot Cap-1 Maneuver	0	0	333	0	0	189	0	-	-	108	-	-
Stage 1	0	0	-	0	0	-	0	-	-	-	-	-
Stage 2	0	0	-	0	0	-	0	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	333	-	-	188	-	-	-	107	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Approach	EB		WB		NB		SB					
HCM Control Delay, s	16.1		27.5		0		0.4					
HCM LOS	C		D									
Minor Lane/Major Mvmt	NBT		NBR		EBLn1WBLn1		SBL	SBT	SBR			
Capacity (veh/h)	-		-		333		188	107	-			
HCM Lane V/C Ratio	-		-		0.024		0.15	0.131	-			
HCM Control Delay (s)	-		-		16.1		27.5	43.6	-			
HCM Lane LOS	-		-		C		D	E	-			
HCM 95th %tile Q(veh)	-		-		0.1		0.5	0.4	-			

# HCM 6th Signalized Intersection Summary

## 8: I-805 NB Ramps/Mira Sorrento PI & Vista Sorrento Pkwy

Existing  
Timing Plan: PM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	227	51	96	137	552	105	764	118	15	36	300	200
Future Volume (veh/h)	227	51	96	137	552	105	764	118	15	36	300	200
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	247	55	104	149	600	114	822	127	16	47	395	263
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.93	0.93	0.93	0.76	0.76	0.76
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	275	548	646	339	676	302	876	719	601	185	422	357
Arrive On Green	0.15	0.15	0.15	0.19	0.19	0.19	0.25	0.38	0.38	0.10	0.23	0.23
Sat Flow, veh/h	1781	3554	1585	1781	3554	1585	3456	1870	1563	1781	1870	1581
Grp Volume(v), veh/h	247	55	104	149	600	114	822	127	16	47	395	263
Grp Sat Flow(s),veh/h/ln	1781	1777	1585	1781	1777	1585	1728	1870	1563	1781	1870	1581
Q Serve(g_s), s	16.8	1.6	0.0	9.1	20.3	7.8	28.8	5.5	0.8	3.0	25.6	19.1
Cycle Q Clear(g_c), s	16.8	1.6	0.0	9.1	20.3	7.8	28.8	5.5	0.8	3.0	25.6	19.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	275	548	646	339	676	302	876	719	601	185	422	357
V/C Ratio(X)	0.90	0.10	0.16	0.44	0.89	0.38	0.94	0.18	0.03	0.25	0.94	0.74
Avail Cap(c_a), veh/h	504	1006	850	504	1006	448	1257	756	632	360	454	383
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	51.4	44.9	23.2	44.2	48.8	43.7	45.2	25.1	23.7	51.0	47.0	44.5
Incr Delay (d2), s/veh	4.3	0.0	0.0	0.3	4.9	0.3	8.7	0.0	0.0	0.3	25.2	5.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.8	0.7	1.9	4.0	9.2	3.1	12.9	2.4	0.3	1.3	14.4	7.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	55.6	45.0	23.3	44.6	53.7	44.0	53.9	25.2	23.7	51.3	72.2	50.2
LnGrp LOS	E	D	C	D	D	D	D	C	C	D	E	D
Approach Vol, veh/h	406			863			965			705		
Approach Delay, s/veh	45.9			50.8			49.7			62.6		
Approach LOS	D			D			D			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	37.1	33.7		28.6	17.5	53.3		24.2				
Change Period (Y+Rc), s	5.8	* 5.8		5.1	* 4.7	5.8		5.1				
Max Green Setting (Gmax), s	45.0	* 30		35.0	* 25	50.0		35.0				
Max Q Clear Time (g_c+l1), s	30.8	27.6		22.3	5.0	7.5		18.8				
Green Ext Time (p_c), s	0.5	0.3		1.2	0.0	0.2		0.2				

### Intersection Summary

HCM 6th Ctrl Delay	52.6
HCM 6th LOS	D

### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 9: Scranton Rd & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰↱	↑↑↑	↱	↰↱	↑↑↑		↰↱	↰↱		↰↱	↰	↰↱
Traffic Volume (veh/h)	168	1075	224	114	1315	104	310	67	34	104	143	344
Future Volume (veh/h)	168	1075	224	114	1315	104	310	67	34	104	143	344
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	179	1144	238	119	1370	108	277	150	37	114	173	367
Peak Hour Factor	0.94	0.94	0.94	0.96	0.96	0.96	0.93	0.93	0.93	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	220	2837	879	138	3488	274	423	345	83	495	260	637
Arrive On Green	0.06	0.56	0.56	0.03	0.19	0.19	0.12	0.12	0.12	0.14	0.14	0.14
Sat Flow, veh/h	3456	5106	1582	1781	6126	482	3563	2909	696	3563	1870	3136
Grp Volume(v), veh/h	179	1144	238	119	1078	400	277	95	92	114	173	367
Grp Sat Flow(s),veh/h/ln	728	1702	1582	1781	1609	1783	1781	1870	1735	1781	1870	1568
Q Serve(g_s), s	9.7	24.4	14.9	12.6	37.2	37.3	14.1	8.9	9.4	5.4	16.7	20.1
Cycle Q Clear(g_c), s	9.7	24.4	14.9	12.6	37.2	37.3	14.1	8.9	9.4	5.4	16.7	20.1
Prop In Lane	1.00		1.00	1.00		0.27	1.00		0.40	1.00		1.00
Lane Grp Cap(c), veh/h	220	2837	879	138	2747	1015	423	222	206	495	260	637
V/C Ratio(X)	0.81	0.40	0.27	0.86	0.39	0.39	0.65	0.43	0.45	0.23	0.67	0.58
Avail Cap(c_a), veh/h	393	2837	879	193	2747	1015	733	385	357	782	410	890
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.77	0.77	0.77	0.89	0.89	0.89	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	87.9	24.2	22.1	91.6	48.3	48.4	80.0	77.7	77.9	72.8	77.6	68.4
Incr Delay (d2), s/veh	5.6	0.3	0.6	17.1	0.4	1.0	4.4	3.4	4.0	0.3	4.3	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	9.9	5.7	6.7	16.3	18.3	6.8	4.5	4.5	2.5	8.4	8.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	93.5	24.5	22.7	108.7	48.7	49.4	84.4	81.1	81.9	73.1	81.9	69.7
LnGrp LOS	F	C	C	F	D	D	F	F	F	E	F	E
Approach Vol, veh/h	1561			1597			464			654		
Approach Delay, s/veh	32.1			53.4			83.3			73.5		
Approach LOS	C			D			F			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	19.1	111.8		31.7	16.5	114.4		27.5				
Change Period (Y+Rc), s	4.4	* 6.2		5.3	4.4	6.2		4.9				
Max Green Setting (Gmax), s	20.6	* 68		41.7	21.6	66.8		39.1				
Max Q Clear Time (g_c+14), s	14.6	26.4		22.1	11.7	39.3		16.1				
Green Ext Time (p_c), s	0.1	23.2		4.3	0.4	12.3		4.6				

### Intersection Summary

HCM 6th Ctrl Delay 51.9  
HCM 6th LOS D

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 10: Oberline Dr/Lusk Blvd & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔↔↔↔↔			↔↔↔↔↔			↔	↔	↔	↔↔↔	↔	↔
Traffic Volume (veh/h)	66	1152	6	43	1200	69	20	18	151	457	111	225
Future Volume (veh/h)	66	1152	6	43	1200	69	20	18	151	457	111	225
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	74	1294	7	47	1304	75	21	19	157	502	122	247
Peak Hour Factor	0.89	0.89	0.89	0.92	0.92	0.92	0.96	0.96	0.96	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	108	3045	16	83	2831	163	31	241	200	534	497	412
Arrive On Green	0.01	0.19	0.19	0.05	1.00	1.00	0.02	0.13	0.13	0.15	0.27	0.27
Sat Flow, veh/h	3456	5241	28	3456	4935	284	1781	1870	1552	3456	1870	1549
Grp Volume(v), veh/h	74	840	461	47	900	479	21	19	157	502	122	247
Grp Sat Flow(s),veh/h/ln	1728	1702	1865	1728	1702	1814	1781	1870	1552	1728	1870	1549
Q Serve(g_s), s	4.1	41.3	41.3	2.5	0.0	0.0	2.2	1.7	18.6	27.3	9.7	26.5
Cycle Q Clear(g_c), s	4.1	41.3	41.3	2.5	0.0	0.0	2.2	1.7	18.6	27.3	9.7	26.5
Prop In Lane	1.00		0.02	1.00		0.16	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	108	1978	1084	83	1953	1041	31	241	200	534	497	412
V/C Ratio(X)	0.68	0.42	0.43	0.56	0.46	0.46	0.67	0.08	0.79	0.94	0.25	0.60
Avail Cap(c_a), veh/h	238	1978	1084	166	1953	1041	129	374	310	560	528	437
HCM Platoon Ratio	0.33	0.33	0.33	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.92	0.92	0.92	0.81	0.81	0.81	1.00	1.00	1.00	0.93	0.93	0.93
Uniform Delay (d), s/veh	93.1	48.9	48.9	89.4	0.0	0.0	92.8	72.9	80.2	79.4	54.8	60.9
Incr Delay (d2), s/veh	2.6	0.6	1.1	1.8	0.6	1.2	8.7	0.1	2.9	21.8	0.1	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	19.9	19.1	21.1	1.1	0.2	0.3	1.1	0.8	7.6	13.6	4.6	10.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	95.7	49.5	50.0	91.2	0.6	1.2	101.5	72.9	83.2	101.2	54.9	62.2
LnGrp LOS	F	D	D	F	A	A	F	E	F	F	D	E
Approach Vol, veh/h	1375		1426			197			871			
Approach Delay, s/veh	52.1		3.8			84.1			83.6			
Approach LOS	D		A			F			F			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.0	116.6	7.7	56.7	10.3	115.2	33.8	30.7				
Change Period (Y+Rc), s	4.4	* 6.2	4.4	6.2	4.4	6.2	4.4	* 6.2				
Max Green Setting (Gmax), s	93	* 93	13.8	53.6	13.1	88.2	30.8	* 38				
Max Q Clear Time (g_c+I1),s	43.3	43.3	4.2	28.5	6.1	2.0	29.3	20.6				
Green Ext Time (p_c), s	0.0	2.6	0.0	0.3	0.0	2.9	0.1	0.1				

### Intersection Summary

HCM 6th Ctrl Delay 43.0

HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.













\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 11: Pacific Heights Blvd & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	115	1448	101	108	909	171	125	41	319	988	243	316
Future Volume (veh/h)	115	1448	101	108	909	171	125	41	319	988	243	316
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.98	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1841	1841	1841	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	129	1627	113	116	977	0	154	51	394	1062	261	340
Peak Hour Factor	0.89	0.89	0.89	0.93	0.93	0.93	0.81	0.81	0.81	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	4	4	4	2	2	2	2	2	2
Cap, veh/h	145	1839	558	132	1778		172	272	453	1089	1294	573
Arrive On Green	0.16	0.72	0.72	0.15	0.71	0.00	0.10	0.15	0.15	0.32	0.36	0.36
Sat Flow, veh/h	1781	5106	1549	1753	5025	1560	1781	1870	3111	3456	3554	1573
Grp Volume(v), veh/h	129	1627	113	116	977	0	154	51	394	1062	261	340
Grp Sat Flow(s),veh/h/ln	1781	1702	1549	1753	1675	1560	1781	1870	1556	1728	1777	1573
Q Serve(g_s), s	13.5	46.7	4.5	12.3	17.7	0.0	16.2	4.6	23.5	57.7	9.6	33.3
Cycle Q Clear(g_c), s	13.5	46.7	4.5	12.3	17.7	0.0	16.2	4.6	23.5	57.7	9.6	33.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	145	1839	558	132	1778		172	272	453	1089	1294	573
V/C Ratio(X)	0.89	0.88	0.20	0.88	0.55		0.90	0.19	0.87	0.98	0.20	0.59
Avail Cap(c_a), veh/h	147	1839	558	136	1778		425	335	557	1097	1294	573
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.80	0.80	0.80	0.87	0.87	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	78.7	23.5	17.6	79.9	20.5	0.0	84.9	71.3	79.4	64.3	41.4	49.0
Incr Delay (d2), s/veh	36.0	5.4	0.7	37.7	1.1	0.0	6.5	0.1	10.5	21.2	0.0	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.1	11.7	1.7	6.5	5.1	0.0	7.8	2.2	10.1	28.7	4.3	13.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	114.7	29.0	18.3	117.6	21.6	0.0	91.4	71.4	89.9	85.5	41.5	50.1
LnGrp LOS	F	C	B	F	C		F	E	F	F	D	D
Approach Vol, veh/h	1869					1093	A	599		1663		
Approach Delay, s/veh	34.3					31.8		88.7		71.4		
Approach LOS	C					C		F		E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	18.7	74.1	22.7	74.5	19.9	72.9	64.3	32.9				
Change Period (Y+Rc), s	4.4	5.7	4.4	* 5.3	4.4	5.7	4.4	5.3				
Max Green Setting (Gmax), s	14.7	61.2	45.3	* 48	15.7	60.2	60.3	34.0				
Max Q Clear Time (g_c+14),s	14.7	48.7	18.2	35.3	15.5	19.7	59.7	25.5				
Green Ext Time (p_c), s	0.0	3.7	0.1	0.7	0.0	2.2	0.1	0.4				

### Intersection Summary

HCM 6th Ctrl Delay 51.8  
HCM 6th LOS D

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary

## 12: Mira Mesa Blvd & Sequence Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	219	2487	101	22	790	10	236	17	90	66	8	277
Future Volume (veh/h)	219	2487	101	22	790	10	236	17	90	66	8	277
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	228	2591	105	24	859	11	354	0	129	85	10	355
Peak Hour Factor	0.96	0.96	0.96	0.92	0.92	0.92	0.70	0.70	0.70	0.78	0.78	0.78
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	222	3398	1037	33	2856	874	430	0	181	142	149	325
Arrive On Green	0.25	1.00	1.00	0.04	1.00	1.00	0.12	0.00	0.12	0.08	0.08	0.08
Sat Flow, veh/h	1753	5025	1534	1753	5025	1538	3563	0	1503	1781	1870	1555
Grp Volume(v), veh/h	228	2591	105	24	859	11	354	0	129	85	10	355
Grp Sat Flow(s),veh/h/ln	1753	1675	1534	1753	1675	1538	1781	0	1503	1781	1870	1555
Q Serve(g_s), s	24.1	0.0	0.0	2.6	0.0	0.0	18.4	0.0	15.7	8.8	0.9	15.1
Cycle Q Clear(g_c), s	24.1	0.0	0.0	2.6	0.0	0.0	18.4	0.0	15.7	8.8	0.9	15.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	222	3398	1037	33	2856	874	430	0	181	142	149	325
V/C Ratio(X)	1.03	0.76	0.10	0.72	0.30	0.01	0.82	0.00	0.71	0.60	0.07	1.09
Avail Cap(c_a), veh/h	222	3398	1037	93	2856	874	756	0	319	142	149	325
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.35	0.35	0.35	0.98	0.98	0.98	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.9	0.0	0.0	90.9	0.0	0.0	81.6	0.0	80.4	84.5	80.9	75.5
Incr Delay (d2), s/veh	42.3	0.6	0.1	10.3	0.3	0.0	1.5	0.0	1.9	4.9	0.1	77.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.1	0.2	0.0	1.2	0.1	0.0	8.6	0.0	6.2	4.3	0.5	22.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	113.2	0.6	0.1	101.2	0.3	0.0	83.1	0.0	82.3	89.5	81.0	152.8
LnGrp LOS	F	A	A	F	A	A	F	A	F	F	F	F
Approach Vol, veh/h	2924			894			483			450		
Approach Delay, s/veh	9.4			3.0			82.9			139.3		
Approach LOS	A			A			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	134.2			20.0	28.5	113.7		27.8				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	5.7		4.9				
Max Green Setting (G_max), s	104.6			15.1	24.1	90.6		40.3				
Max Q Clear Time (g_c+I_T), s	2.0			17.1	26.1	2.0		20.4				
Green Ext Time (p_c), s	0.0	10.5		0.0	0.0	1.9		0.3				

### Intersection Summary

HCM 6th Ctrl Delay 27.9  
HCM 6th LOS C

### Notes













User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.



# HCM 6th Signalized Intersection Summary 13: Mira Mesa Blvd & Genetic Center Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	2685	10	23	669	36	15	15	205	90	2	74
Future Volume (veh/h)	40	2685	10	23	669	36	15	15	205	90	2	74
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	42	2797	10	25	727	39	18	18	250	105	2	86
Peak Hour Factor	0.96	0.96	0.96	0.92	0.92	0.92	0.82	0.82	0.82	0.86	0.86	0.86
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	53	3225	984	34	3169	961	29	314	266	122	413	349
Arrive On Green	0.06	1.00	1.00	0.04	1.00	1.00	0.02	0.17	0.17	0.07	0.22	0.22
Sat Flow, veh/h	1753	5025	1534	1753	5025	1524	1781	1870	1582	1781	1870	1583
Grp Volume(v), veh/h	42	2797	10	25	727	39	18	18	250	105	2	86
Grp Sat Flow(s),veh/h/ln	1753	1675	1534	1753	1675	1524	1781	1870	1582	1781	1870	1583
Q Serve(g_s), s	4.5	0.0	0.0	2.7	0.0	0.0	1.9	1.5	29.7	11.1	0.2	8.5
Cycle Q Clear(g_c), s	4.5	0.0	0.0	2.7	0.0	0.0	1.9	1.5	29.7	11.1	0.2	8.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	53	3225	984	34	3169	961	29	314	266	122	413	349
V/C Ratio(X)	0.79	0.87	0.01	0.74	0.23	0.04	0.63	0.06	0.94	0.86	0.00	0.25
Avail Cap(c_a), veh/h	93	3225	984	93	3169	961	190	374	316	190	413	349
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.58	0.58	0.58	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	88.6	0.0	0.0	90.9	0.0	0.0	92.9	66.4	78.1	87.6	57.8	61.0
Incr Delay (d2), s/veh	5.5	2.0	0.0	10.7	0.2	0.1	8.0	0.0	30.5	12.9	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.1	0.6	0.0	1.3	0.0	0.0	1.0	0.7	14.4	5.6	0.1	3.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	94.1	2.0	0.0	101.6	0.2	0.1	100.9	66.4	108.6	100.5	57.8	61.1
LnGrp LOS	F	A	A	F	A	A	F	E	F	F	E	E
Approach Vol, veh/h	2849			791			286			193		
Approach Delay, s/veh	3.4			3.4			105.4			82.5		
Approach LOS	A			A			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	127.6	7.5	46.8	10.2	125.5	17.5	36.8					
Change Period (Y+Rc), s	4.4	5.7	4.4	4.9	4.4	5.7	4.4	4.9				
Max Green Setting (G_max), s	102.2	20.3	38.0	10.1	102.2	20.3	38.0					
Max Q Clear Time (g_c+I_1),s	2.0	3.9	10.5	6.5	2.0	13.1	31.7					
Green Ext Time (p_c), s	0.0	12.7	0.0	0.0	0.0	1.6	0.0	0.1				

## Intersection Summary

HCM 6th Ctrl Delay	14.2
HCM 6th LOS	B

## Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 14: Mira Mesa Blvd & Flanders Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	75	2574	327	37	498	37	181	29	154	128	57	45
Future Volume (veh/h)	75	2574	327	37	498	37	181	29	154	128	57	45
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	78	2681	341	41	547	41	232	0	177	180	80	63
Peak Hour Factor	0.96	0.96	0.96	0.91	0.91	0.91	0.87	0.87	0.87	0.71	0.71	0.71
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	93	3075	937	52	2956	915	464	0	204	213	224	188
Arrive On Green	0.11	1.00	1.00	0.06	1.00	1.00	0.13	0.00	0.13	0.12	0.12	0.12
Sat Flow, veh/h	1753	5025	1532	1753	5025	1555	3563	0	1570	1781	1870	1569
Grp Volume(v), veh/h	78	2681	341	41	547	41	232	0	177	180	80	63
Grp Sat Flow(s),veh/h/ln	1753	1675	1532	1753	1675	1555	1781	0	1570	1781	1870	1569
Q Serve(g_s), s	8.3	0.0	0.0	4.4	0.0	0.0	11.5	0.0	21.0	18.8	7.5	7.0
Cycle Q Clear(g_c), s	8.3	0.0	0.0	4.4	0.0	0.0	11.5	0.0	21.0	18.8	7.5	7.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	93	3075	937	52	2956	915	464	0	204	213	224	188
V/C Ratio(X)	0.83	0.87	0.36	0.79	0.19	0.04	0.50	0.00	0.87	0.84	0.36	0.34
Avail Cap(c_a), veh/h	158	3075	937	84	2956	915	713	0	314	356	374	314
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.46	0.46	0.46	0.97	0.97	0.97	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	84.0	0.0	0.0	88.8	0.0	0.0	76.9	0.0	81.0	81.9	76.9	76.7
Incr Delay (d2), s/veh	3.4	1.8	0.5	9.0	0.1	0.1	0.3	0.0	9.6	3.9	0.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.6	0.5	0.1	2.1	0.0	0.0	5.3	0.0	9.0	9.0	3.7	2.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	87.5	1.8	0.5	97.8	0.1	0.1	77.2	0.0	90.6	85.7	77.2	77.1
LnGrp LOS	F	A	A	F	A	A	E	A	F	F	E	E
Approach Vol, veh/h	3100			629			409			323		
Approach Delay, s/veh	3.8			6.5			83.0			81.9		
Approach LOS	A			A			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.1	122.3		27.7	14.5	117.8		30.0				
Change Period (Y+Rc), s	4.4	* 6		4.9	4.4	6.0		5.3				
Max Green Setting (Gmax), s	* 84			38.0	17.1	76.3		38.0				
Max Q Clear Time (g_c+I), s	2.0			20.8	10.3	2.0		23.0				
Green Ext Time (p_c), s	0.0	11.8		0.2	0.0	1.2		0.2				

### Intersection Summary

HCM 6th Ctrl Delay	17.1
HCM 6th LOS	B

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.













\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 15: Mira Mesa Blvd & Viper Wy

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	37	2555	262	60	470	27	89	28	122	41	22	18
Future Volume (veh/h)	37	2555	262	60	470	27	89	28	122	41	22	18
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	38	2607	267	66	516	30	133	42	182	43	23	19
Peak Hour Factor	0.98	0.98	0.98	0.91	0.91	0.91	0.67	0.67	0.67	0.96	0.96	0.96
Percent Heavy Veh, %	4	4	4	4	4	4	2	2	2	2	2	2
Cap, veh/h	48	3447	1039	81	3539	1072	168	250	202	55	109	90
Arrive On Green	0.06	1.00	1.00	0.09	1.00	1.00	0.05	0.13	0.13	0.03	0.12	0.12
Sat Flow, veh/h	1753	5025	1514	1753	5025	1521	3456	1870	1515	1781	945	780
Grp Volume(v), veh/h	38	2607	267	66	516	30	133	42	182	43	0	42
Grp Sat Flow(s),veh/h/ln	1753	1675	1514	1753	1675	1521	1728	1870	1515	1781	0	1725
Q Serve(g_s), s	4.1	0.0	0.0	7.0	0.0	0.0	7.2	3.8	22.5	4.6	0.0	4.2
Cycle Q Clear(g_c), s	4.1	0.0	0.0	7.0	0.0	0.0	7.2	3.8	22.5	4.6	0.0	4.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.45
Lane Grp Cap(c), veh/h	48	3447	1039	81	3539	1072	168	250	202	55	0	200
V/C Ratio(X)	0.78	0.76	0.26	0.82	0.15	0.03	0.79	0.17	0.90	0.78	0.00	0.21
Avail Cap(c_a), veh/h	70	3447	1039	125	3539	1072	193	413	335	62	0	345
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.44	0.44	0.44	0.98	0.98	0.98	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	89.2	0.0	0.0	85.5	0.0	0.0	89.4	73.0	81.1	91.4	0.0	76.1
Incr Delay (d2), s/veh	8.6	0.7	0.3	11.0	0.1	0.0	15.0	0.1	10.5	37.0	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.9	0.2	0.1	3.3	0.0	0.0	3.6	1.8	9.4	2.7	0.0	1.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	97.8	0.7	0.3	96.5	0.1	0.0	104.5	73.1	91.5	128.5	0.0	76.3
LnGrp LOS	F	A	A	F	A	A	F	E	F	F	A	E
Approach Vol, veh/h	2912					612		357		85		
Approach Delay, s/veh	1.9					10.5		94.2		102.7		
Approach LOS	A					B		F		F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	13.2	136.3	13.6	26.9	9.7	139.8	10.3	30.2				
Change Period (Y+Rc), s	4.4	6.0	4.4	4.9	4.4	6.0	4.4	4.9				
Max Green Setting (Gmax), s	108.1	10.6	38.0	7.6	114.1	6.6	42.0					
Max Q Clear Time (g_c+I1),s	2.0	9.2	6.2	6.1	2.0	6.6	24.5					
Green Ext Time (p_c), s	0.0	10.9	0.0	0.1	0.0	1.1	0.0	0.2				

### Intersection Summary

HCM 6th Ctrl Delay 13.7  
HCM 6th LOS B

### Notes













User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 16: Camino Santa Fe & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	61	2547	75	156	491	149	108	318	509	385	186	35
Future Volume (veh/h)	61	2547	75	156	491	149	108	318	509	385	186	35
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1841	1841	1841	1811	1811	1811	1575	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	66	2739	81	171	540	164	129	379	606	423	204	38
Peak Hour Factor	0.93	0.93	0.93	0.91	0.91	0.91	0.84	0.84	0.84	0.91	0.91	0.91
Percent Heavy Veh, %	4	4	4	6	6	6	2	2	2	2	2	2
Cap, veh/h	81	2157	655	186	2427	740	414	786	520	458	268	119
Arrive On Green	0.09	0.86	0.86	0.22	0.98	0.98	0.28	0.22	0.22	0.13	0.08	0.08
Sat Flow, veh/h	1753	5025	1527	1725	4944	1508	1500	3554	1581	3456	3554	1572
Grp Volume(v), veh/h	66	2739	81	171	540	164	129	379	606	423	204	38
Grp Sat Flow(s),veh/h/ln	1753	1675	1527	1725	1648	1508	1500	1777	1581	1728	1777	1572
Q Serve(g_s), s	7.0	81.5	0.7	18.4	0.5	0.3	12.9	17.7	42.0	23.0	10.7	3.9
Cycle Q Clear(g_c), s	7.0	81.5	0.7	18.4	0.5	0.3	12.9	17.7	42.0	23.0	10.7	3.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	81	2157	655	186	2427	740	414	786	520	458	268	119
V/C Ratio(X)	0.82	1.27	0.12	0.92	0.22	0.22	0.31	0.48	1.17	0.92	0.76	0.32
Avail Cap(c_a), veh/h	255	2157	655	251	2427	740	414	786	520	582	842	372
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.60	0.60	0.60	0.98	0.98	0.98	0.91	0.91	0.91	1.00	1.00	1.00
Uniform Delay (d), s/veh	85.5	13.5	1.4	73.7	0.9	0.4	54.5	64.5	33.9	81.5	86.2	65.7
Incr Delay (d2), s/veh	4.5	123.8	0.2	26.3	0.2	0.7	0.1	0.2	92.2	16.1	1.7	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.1	30.0	0.6	8.6	0.2	0.3	4.9	7.9	29.2	11.1	4.9	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	90.0	137.2	1.6	100.0	1.1	1.0	54.6	64.7	126.1	97.5	87.8	66.3
LnGrp LOS	F	F	A	F	A	A	D	E	F	F	F	E
Approach Vol, veh/h	2886			875			1114			665		
Approach Delay, s/veh	132.3			20.4			96.9			92.8		
Approach LOS	F			C			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	24.9	87.5	56.9	20.7	13.2	99.3	29.6	48.0				
Change Period (Y+Rc), s	4.4	6.0	4.4	6.4	4.4	6.0	4.4	6.0				
Max Green Setting (Gmax), s	20.6	67.6	28.6	45.0	27.6	67.6	32.0	42.0				
Max Q Clear Time (g_c+20), s	20.4	83.5	14.9	12.7	9.0	2.5	25.0	44.0				
Green Ext Time (p_c), s	0.0	0.0	0.0	0.4	0.0	1.2	0.2	0.0				

### Intersection Summary

HCM 6th Ctrl Delay 102.8

HCM 6th LOS F

### Notes












User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 17: Mira Mesa Blvd & Schilling Ave

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	132	3227	39	46	757	55	17	21	75	51	0	14
Future Volume (veh/h)	132	3227	39	46	757	55	17	21	75	51	0	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	0.98		0.98	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1739	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	138	3361	41	53	870	63	25	30	109	69	0	19
Peak Hour Factor	0.96	0.96	0.96	0.87	0.87	0.87	0.69	0.69	0.69	0.74	0.74	0.74
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	154	3737	1126	66	3484	1011	110	122	195	157	234	195
Arrive On Green	0.18	1.00	1.00	0.08	1.00	1.00	0.13	0.13	0.13	0.13	0.00	0.13
Sat Flow, veh/h	1725	4944	1490	1725	4944	1435	655	974	1555	1232	1870	1555
Grp Volume(v), veh/h	138	3361	41	53	870	63	55	0	109	69	0	19
Grp Sat Flow(s),veh/h/ln	1725	1648	1490	1725	1648	1435	1629	0	1555	1232	1870	1555
Q Serve(g_s), s	14.9	0.0	0.0	5.7	0.0	0.0	3.1	0.0	12.5	10.2	0.0	2.1
Cycle Q Clear(g_c), s	14.9	0.0	0.0	5.7	0.0	0.0	5.5	0.0	12.5	15.7	0.0	2.1
Prop In Lane	1.00		1.00	1.00		1.00	0.45		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	154	3737	1126	66	3484	1011	232	0	195	157	234	195
V/C Ratio(X)	0.89	0.90	0.04	0.80	0.25	0.06	0.24	0.00	0.56	0.44	0.00	0.10
Avail Cap(c_a), veh/h	346	3737	1126	137	3484	1011	326	0	286	229	345	286
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.09	0.09	0.09	0.98	0.98	0.98	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	77.1	0.0	0.0	87.0	0.0	0.0	75.0	0.0	78.2	82.2	0.0	73.6
Incr Delay (d2), s/veh	0.7	0.4	0.0	7.9	0.2	0.1	0.2	0.0	0.9	0.7	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.1	0.0	2.6	0.1	0.0	2.5	0.0	5.1	3.3	0.0	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	77.8	0.4	0.0	94.9	0.2	0.1	75.2	0.0	79.1	82.9	0.0	73.7
LnGrp LOS	E	A	A	F	A	A	E	A	E	F	A	E
Approach Vol, veh/h	3540		986			164			88			
Approach Delay, s/veh	3.4		5.3			77.8			80.9			
Approach LOS	A		A			E			F			
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	17.7	149.6	28.7		21.4	139.9	28.7					
Change Period (Y+Rc), s	4.4	6.0	4.9		4.4	6.0	4.9					
Max Green Setting (Gmax), s	124.6		35.0		38.1	101.6	35.0					
Max Q Clear Time (g_c+I1),s	2.0		17.7		16.9	2.0	14.5					
Green Ext Time (p_c), s	0.0	117.9	0.1		0.1	11.8	0.3					
Intersection Summary												
HCM 6th Ctrl Delay	7.8											
HCM 6th LOS	A											

# HCM 6th Signalized Intersection Summary 18: Mira Mesa Blvd & Aderman Ave

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	3278	24	45	841	46	11	9	42	54	4	11
Future Volume (veh/h)	30	3278	24	45	841	46	11	9	42	54	4	11
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	0.98		0.98	0.99		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1739	1811	1811	1739	1870	1870	1870	1870	1870	1796
Adj Flow Rate, veh/h	31	3415	25	46	867	47	14	12	54	92	7	19
Peak Hour Factor	0.96	0.96	0.96	0.97	0.97	0.97	0.78	0.78	0.78	0.59	0.59	0.59
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	39	3770	1091	58	3823	1108	43	42	131	179	228	180
Arrive On Green	0.05	1.00	1.00	0.07	1.00	1.00	0.12	0.12	0.12	0.12	0.12	0.12
Sat Flow, veh/h	1725	4944	1430	1725	4944	1433	173	343	1073	1318	1870	1475
Grp Volume(v), veh/h	31	3415	25	46	867	47	80	0	0	92	7	19
Grp Sat Flow(s),veh/h/ln	1725	1648	1430	1725	1648	1433	1590	0	0	1318	1870	1475
Q Serve(g_s), s	3.4	0.0	0.0	5.0	0.0	0.0	0.1	0.0	0.0	7.0	0.6	2.2
Cycle Q Clear(g_c), s	3.4	0.0	0.0	5.0	0.0	0.0	8.5	0.0	0.0	15.5	0.6	2.2
Prop In Lane	1.00		1.00	1.00		1.00	0.17		0.67	1.00		1.00
Lane Grp Cap(c), veh/h	39	3770	1091	58	3823	1108	216	0	0	179	228	180
V/C Ratio(X)	0.79	0.91	0.02	0.79	0.23	0.04	0.37	0.00	0.00	0.51	0.03	0.11
Avail Cap(c_a), veh/h	128	3770	1091	128	3823	1108	311	0	0	261	345	272
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.40	0.40	0.40	0.95	0.95	0.95	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	90.2	0.0	0.0	88.0	0.0	0.0	77.0	0.0	0.0	80.8	73.6	74.2
Incr Delay (d2), s/veh	5.1	1.8	0.0	8.3	0.1	0.1	0.4	0.0	0.0	0.9	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	0.6	0.0	2.3	0.0	0.0	3.7	0.0	0.0	4.4	0.3	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	95.3	1.8	0.0	96.3	0.1	0.1	77.4	0.0	0.0	81.7	73.6	74.3
LnGrp LOS	F	A	A	F	A	A	E	A	A	F	E	E
Approach Vol, veh/h	3471			960			80			118		
Approach Delay, s/veh	2.6			4.7			77.4			80.0		
Approach LOS	A			A			E			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.8	151.2		28.0	8.7	153.2		28.0				
Change Period (Y+Rc), s	4.4	* 6.3		4.9	4.4	6.3		4.9				
Max Green Setting (Gmax), s	1.3E2			35.0	14.1	125.3		34.7				
Max Q Clear Time (g_c+I1),s	2.0			17.5	5.4	2.0		10.5				
Green Ext Time (p_c), s	0.0	112.9		0.2	0.0	8.3		0.3				

## Intersection Summary

HCM 6th Ctrl Delay	6.3
HCM 6th LOS	A

## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 19: Parkdale Ave & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰ ↱ ↲ ↳			↰ ↱ ↲ ↳			↰	↱	↲	↰	↱	↲
Traffic Volume (veh/h)	140	2929	280	93	865	96	42	94	80	26	55	56
Future Volume (veh/h)	140	2929	280	93	865	96	42	94	80	26	55	56
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1811	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	147	3083	295	100	930	103	48	108	92	31	66	67
Peak Hour Factor	0.95	0.95	0.95	0.93	0.93	0.93	0.87	0.87	0.87	0.83	0.83	0.83
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	163	2685	248	345	3148	347	61	146	120	40	124	103
Arrive On Green	0.19	1.00	1.00	0.40	1.00	1.00	0.03	0.08	0.08	0.02	0.07	0.07
Sat Flow, veh/h	1725	4592	423	1725	4505	497	1781	1870	1533	1781	1870	1556
Grp Volume(v), veh/h	147	2180	1198	100	680	353	48	108	92	31	66	67
Grp Sat Flow(s),veh/h/ln	1725	1648	1719	1725	1648	1706	1781	1870	1533	1781	1870	1556
Q Serve(g_s), s	15.8	0.0	111.1	7.5	0.0	0.0	5.1	10.7	8.0	3.3	6.5	8.0
Cycle Q Clear(g_c), s	15.8	0.0	111.1	7.5	0.0	0.0	5.1	10.7	8.0	3.3	6.5	8.0
Prop In Lane	1.00		0.25	1.00		0.29	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	163	1927	1005	345	2303	1192	61	146	120	40	124	103
V/C Ratio(X)	0.90	1.13	1.19	0.29	0.30	0.30	0.78	0.74	0.77	0.78	0.53	0.65
Avail Cap(c_a), veh/h	237	1927	1005	345	2303	1192	99	321	263	99	321	267
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.31	0.31	0.31	0.91	0.91	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	76.2	0.0	0.0	47.8	0.0	0.0	91.0	85.7	44.3	92.4	85.9	86.6
Incr Delay (d2), s/veh	8.1	61.4	89.4	0.2	0.3	0.6	7.9	2.7	3.9	11.2	1.3	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.6	16.4	25.0	3.0	0.1	0.2	2.5	5.4	3.3	1.7	3.2	3.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	84.3	61.4	89.4	48.0	0.3	0.6	99.0	88.4	48.1	103.6	87.2	89.1
LnGrp LOS	F	F	F	D	A	A	F	F	D	F	F	F
Approach Vol, veh/h	3525			1133			248			164		
Approach Delay, s/veh	71.9			4.6			75.5			91.1		
Approach LOS	E			A			E			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc),s	44.5	117.1	10.9	17.5	22.3	139.3	8.7	19.7				
Change Period (Y+Rc), s	6.5	* 6	4.4	4.9	4.4	6.5	4.4	4.9				
Max Green Setting (Gmax),s	110.0	111.1	10.6	32.6	26.1	100.5	10.6	32.6				
Max Q Clear Time (g_c+I),s	113.1	113.1	7.1	10.0	17.8	2.0	5.3	12.7				
Green Ext Time (p_c), s	0.1	0.0	0.0	0.3	0.1	8.7	0.0	0.5				

### Intersection Summary

HCM 6th Ctrl Delay 57.7

HCM 6th LOS E

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 20: Reagan Rd & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	← ↑ ↑	← ↑ ↑		← ↑ ↑	← ↑ ↑	←	←	← ↑		←	← ↑	
Traffic Volume (veh/h)	187	2295	238	45	871	86	137	158	21	51	127	79
Future Volume (veh/h)	187	2295	238	45	871	86	137	158	21	51	127	79
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.94	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1781	1781	1781	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	197	2416	251	49	957	95	157	182	24	55	138	86
Peak Hour Factor	0.95	0.95	0.95	0.91	0.91	0.91	0.87	0.87	0.87	0.92	0.92	0.92
Percent Heavy Veh, %	6	6	6	8	8	8	2	2	2	2	2	2
Cap, veh/h	212	2667	270	220	2916	888	123	216	28	185	222	129
Arrive On Green	0.25	1.00	1.00	0.04	0.20	0.20	0.07	0.07	0.07	0.10	0.10	0.10
Sat Flow, veh/h	1725	4553	461	1697	4863	1482	1781	3138	406	1781	2140	1240
Grp Volume(v), veh/h	197	1732	935	49	957	95	157	101	105	55	113	111
Grp Sat Flow(s),veh/h/ln	1725	1648	1717	1697	1621	1482	1781	1777	1766	1781	1777	1604
Q Serve(g_s), s	21.2	0.0	0.0	5.3	32.1	10.0	13.1	10.7	11.1	5.4	11.5	12.7
Cycle Q Clear(g_c), s	21.2	0.0	0.0	5.3	32.1	10.0	13.1	10.7	11.1	5.4	11.5	12.7
Prop In Lane	1.00		0.27	1.00		1.00	1.00		0.23	1.00		0.77
Lane Grp Cap(c), veh/h	212	1931	1006	220	2916	888	123	123	122	185	184	166
V/C Ratio(X)	0.93	0.90	0.93	0.22	0.33	0.11	1.28	0.83	0.86	0.30	0.61	0.67
Avail Cap(c_a), veh/h	291	1931	1006	220	2916	888	123	123	122	284	283	256
HCM Platoon Ratio	2.00	2.00	2.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.11	0.11	0.11	0.96	0.96	0.96	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.8	0.0	0.0	81.7	43.4	34.5	88.5	87.3	87.5	78.7	81.5	82.0
Incr Delay (d2), s/veh	4.3	0.9	2.4	0.2	0.3	0.2	173.8	36.3	42.6	1.4	4.9	6.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.6	0.2	0.7	2.4	14.1	3.9	12.0	6.2	6.6	2.6	5.6	5.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	75.1	0.9	2.4	81.8	43.7	34.8	262.2	123.7	130.1	80.1	86.4	88.9
LnGrp LOS	E	A	A	F	D	C	F	F	F	F	F	F
Approach Vol, veh/h	2864			1101			363			279		
Approach Delay, s/veh	6.5			44.6			185.5			86.1		
Approach LOS	A			D			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	30.4	117.0		24.6	27.8	119.6		18.0				
Change Period (Y+Rc), s	5.7	* 5.7		4.9	4.4	5.7		4.9				
Max Green Setting (Gmax), s	11.1E2			30.3	32.1	94.6		13.1				
Max Q Clear Time (g_c+I), s	2.0			14.7	23.2	34.1		15.1				
Green Ext Time (p_c), s	0.0	85.4		1.9	0.2	15.6		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 34.5

HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 21: Mira Mesa Blvd & Driveway

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	138	2087	108	138	853	101	64	77	136	98	46	32
Future Volume (veh/h)	138	2087	108	138	853	101	64	77	136	98	46	32
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	0.97		0.94	0.97		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1781	1781	1710	1781	1781	1710	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	152	2293	119	159	980	116	67	81	143	111	52	36
Peak Hour Factor	0.91	0.91	0.91	0.87	0.87	0.87	0.95	0.95	0.95	0.88	0.88	0.88
Percent Heavy Veh, %	8	8	8	8	8	8	2	2	2	2	2	2
Cap, veh/h	168	3462	1013	193	3266	946	170	282	225	164	152	105
Arrive On Green	0.20	1.00	1.00	0.06	0.67	0.67	0.15	0.15	0.15	0.15	0.15	0.15
Sat Flow, veh/h	1697	4863	1423	3291	4863	1409	1266	1870	1496	1124	1009	698
Grp Volume(v), veh/h	152	2293	119	159	980	116	67	81	143	111	0	88
Grp Sat Flow(s), veh/h/ln	1697	1621	1423	1646	1621	1409	1266	1870	1496	1124	0	1707
Q Serve(g_s), s	16.6	0.0	0.0	9.1	15.7	5.6	9.5	7.3	17.1	18.5	0.0	8.8
Cycle Q Clear(g_c), s	16.6	0.0	0.0	9.1	15.7	5.6	18.3	7.3	17.1	25.8	0.0	8.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.41
Lane Grp Cap(c), veh/h	168	3462	1013	193	3266	946	170	282	225	164	0	257
V/C Ratio(X)	0.91	0.66	0.12	0.82	0.30	0.12	0.39	0.29	0.64	0.68	0.00	0.34
Avail Cap(c_a), veh/h	296	3462	1013	244	3266	946	241	387	309	227	0	353
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.25	0.25	0.25	0.81	0.81	0.81	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	75.4	0.0	0.0	88.5	12.8	11.2	80.5	71.7	75.8	83.1	0.0	72.3
Incr Delay (d2), s/veh	2.6	0.3	0.1	11.1	0.2	0.2	0.6	0.2	1.1	1.8	0.0	0.3
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	16.6	0.1	0.0	4.1	5.7	1.8	3.2	3.6	6.7	5.5	0.0	3.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	78.0	0.3	0.1	99.5	13.0	11.4	81.0	71.9	76.9	84.9	0.0	72.6
LnGrp LOS	E	A	A	F	B	B	F	E	E	F	A	E
Approach Vol, veh/h	2564			1255			291			199		
Approach Delay, s/veh	4.9			23.8			76.4			79.5		
Approach LOS	A			C			E			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	15.5	140.9		33.5	23.2	133.3		33.5				
Change Period (Y+Rc), s	4.4	5.7		4.9	4.4	5.7		4.9				
Max Green Setting (G_max), s	121.6			39.3	33.1	102.6		39.3				
Max Q Clear Time (g_c+1), s	2.0			27.8	18.6	17.7		20.3				
Green Ext Time (p_c), s	0.1	64.4		0.4	0.2	9.8		0.6				

### Intersection Summary

HCM 6th Ctrl Delay 18.7  
HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 22: Camino Ruiz & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔↔↔↔↔			↔↔↔↔↔			↔			↔↔↔↔↔		
Traffic Volume (veh/h)	224	2053	51	267	963	224	149	576	152	342	469	73
Future Volume (veh/h)	224	2053	51	267	963	224	149	576	152	342	469	73
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.89	1.00		0.89
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1500	1781	1781	1500	1781	1781	1550	1841	1841	1811	1811	1739
Adj Flow Rate, veh/h	233	2139	53	322	1160	270	184	711	188	372	510	79
Peak Hour Factor	0.96	0.96	0.96	0.83	0.83	0.83	0.81	0.81	0.81	0.92	0.92	0.92
Percent Heavy Veh, %	8	8	8	8	8	8	4	4	4	6	6	6
Cap, veh/h	260	2241	55	356	2439	732	168	890	245	406	635	243
Arrive On Green	0.19	0.92	0.92	0.26	1.00	1.00	0.11	0.18	0.18	0.12	0.18	0.18
Sat Flow, veh/h	2772	4876	121	2772	4863	1460	1476	5025	1387	3346	3441	1314
Grp Volume(v), veh/h	233	1420	772	322	1160	270	184	711	188	372	510	79
Grp Sat Flow(s),veh/h/ln	1386	1621	1755	1386	1621	1460	1476	1675	1387	1673	1721	1314
Q Serve(g_s), s	15.6	54.5	56.2	21.4	0.0	0.0	21.6	25.8	18.9	20.9	27.0	9.9
Cycle Q Clear(g_c), s	15.6	54.5	56.2	21.4	0.0	0.0	21.6	25.8	18.9	20.9	27.0	9.9
Prop In Lane	1.00		0.07	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	260	1490	806	356	2439	732	168	890	245	406	635	243
V/C Ratio(X)	0.90	0.95	0.96	0.90	0.48	0.37	1.10	0.80	0.77	0.92	0.80	0.33
Avail Cap(c_a), veh/h	369	1490	806	356	2439	732	168	942	260	433	699	267
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.70	0.70	0.70	0.80	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	76.2	6.4	6.4	69.4	0.0	0.0	84.2	74.9	44.2	82.5	74.2	67.2
Incr Delay (d2), s/veh	10.8	11.3	18.0	21.0	0.4	0.8	97.6	5.3	13.8	22.6	6.8	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.4	5.2	7.1	7.9	0.1	0.2	12.8	11.5	7.5	10.3	12.5	3.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	87.1	17.6	24.5	90.4	0.4	0.8	181.8	80.2	58.1	105.1	81.0	68.4
LnGrp LOS	F	B	C	F	A	A	F	F	E	F	F	E
Approach Vol, veh/h	2425			1752			1083			961		
Approach Delay, s/veh	26.5			17.0			93.6			89.3		
Approach LOS	C			B			F			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	30.1	93.1	26.0	40.8	22.2	101.0	27.4	39.3				
Change Period (Y+Rc), s	5.7	* 5.8	4.4	5.7	4.4	5.7	4.4	* 5.7				
Max Green Setting (Gmax), s	20.2	* 87	21.6	38.6	25.3	84.3	24.6	* 36				
Max Q Clear Time (g_c+20), s	20.4	58.2	23.6	29.0	17.6	2.0	22.9	27.8				
Green Ext Time (p_c), s	0.0	26.7	0.0	3.4	0.2	38.4	0.2	4.4				

### Intersection Summary

HCM 6th Ctrl Delay 45.2

HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.













\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 23: Reagan Rd/New Salem St & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	47	2296	167	58	1302	176	106	96	40	122	111	33
Future Volume (veh/h)	47	2296	167	58	1302	176	106	96	40	122	111	33
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.98	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1500	1781	1781	1811	1811	1811	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	48	2343	170	63	1415	191	123	112	47	137	125	37
Peak Hour Factor	0.98	0.98	0.98	0.92	0.92	0.92	0.86	0.86	0.86	0.89	0.89	0.89
Percent Heavy Veh, %	8	8	8	6	6	6	2	2	2	2	2	2
Cap, veh/h	58	2457	740	305	2839	383	100	157	66	155	293	240
Arrive On Green	0.08	1.00	1.00	0.35	1.00	1.00	0.06	0.13	0.13	0.09	0.16	0.16
Sat Flow, veh/h	1429	4863	1465	1725	4389	592	1781	1242	521	1781	1870	1533
Grp Volume(v), veh/h	48	2343	170	63	1062	544	123	0	159	137	125	37
Grp Sat Flow(s),veh/h/ln	1429	1621	1465	1725	1648	1686	1781	0	1763	1781	1870	1533
Q Serve(g_s), s	6.3	0.0	0.0	4.8	0.0	0.0	10.7	0.0	16.5	14.5	11.5	4.0
Cycle Q Clear(g_c), s	6.3	0.0	0.0	4.8	0.0	0.0	10.7	0.0	16.5	14.5	11.5	4.0
Prop In Lane	1.00		1.00	1.00		0.35	1.00		0.30	1.00		1.00
Lane Grp Cap(c), veh/h	58	2457	740	305	2132	1090	100	0	222	155	293	240
V/C Ratio(X)	0.83	0.95	0.23	0.21	0.50	0.50	1.23	0.00	0.71	0.89	0.43	0.15
Avail Cap(c_a), veh/h	114	2457	740	305	2132	1090	100	0	340	175	439	360
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.26	0.26	0.26	0.79	0.79	0.79	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	86.7	0.0	0.0	52.0	0.0	0.0	89.6	0.0	79.7	85.8	72.4	69.3
Incr Delay (d2), s/veh	3.2	3.4	0.2	0.1	0.7	1.3	162.6	0.0	1.6	33.1	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	0.8	0.0	2.0	0.2	0.4	9.5	0.0	7.7	8.1	5.6	1.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	89.9	3.4	0.2	52.1	0.7	1.3	252.3	0.0	81.3	118.9	72.8	69.4
LnGrp LOS	F	A	A	D	A	A	F	A	F	F	E	E
Approach Vol, veh/h	2561		1669			282			299			
Approach Delay, s/veh	4.8		2.8			155.9			93.5			
Approach LOS	A		A			F			F			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	38.9	101.3	15.1	34.7	12.0	128.2	20.9	28.9				
Change Period (Y+Rc), s	5.3	* 5.3	4.4	4.9	4.4	5.3	4.4	4.9				
Max Green Setting (Gmax), s	10.7	* 96	10.7	44.6	15.1	100.6	18.7	36.6				
Max Q Clear Time (g_c+I), s	10.8	2.0	12.7	13.5	8.3	2.0	16.5	18.5				
Green Ext Time (p_c), s	0.0	72.1	0.0	0.5	0.0	28.4	0.0	0.5				

### Intersection Summary

HCM 6th Ctrl Delay	18.5
HCM 6th LOS	B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 24: Westonhill Dr & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↩ ↑↑↑			↩ ↑↑↑			↩ ↑	↑		↩ ↑	↑	↩
Traffic Volume (veh/h)	109	2321	58	45	1383	112	66	155	15	91	129	60
Future Volume (veh/h)	109	2321	58	45	1383	112	66	155	15	91	129	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.96	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1811	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	111	2368	59	48	1471	119	79	185	18	111	157	73
Peak Hour Factor	0.98	0.98	0.98	0.94	0.94	0.94	0.84	0.84	0.84	0.82	0.82	0.82
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	110	3067	76	60	2743	222	218	205	20	216	227	184
Arrive On Green	0.13	1.00	1.00	0.07	1.00	1.00	0.12	0.12	0.12	0.12	0.12	0.12
Sat Flow, veh/h	1725	4958	123	1725	4650	376	1781	1670	162	1781	1870	1514
Grp Volume(v), veh/h	111	1571	856	48	1043	547	79	0	203	111	157	73
Grp Sat Flow(s),veh/h/ln	1725	1648	1785	1725	1648	1730	1781	0	1833	1781	1870	1514
Q Serve(g_s), s	12.1	0.0	0.0	5.2	0.0	0.0	7.7	0.0	20.8	11.1	15.3	8.5
Cycle Q Clear(g_c), s	12.1	0.0	0.0	5.2	0.0	0.0	7.7	0.0	20.8	11.1	15.3	8.5
Prop In Lane	1.00		0.07	1.00		0.22	1.00		0.09	1.00		1.00
Lane Grp Cap(c), veh/h	110	2039	1104	60	1945	1021	218	0	225	216	227	184
V/C Ratio(X)	1.01	0.77	0.78	0.80	0.54	0.54	0.36	0.00	0.90	0.51	0.69	0.40
Avail Cap(c_a), veh/h	110	2039	1104	83	1945	1021	278	0	286	338	354	287
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.44	0.44	0.44	0.90	0.90	0.90	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	82.9	0.0	0.0	87.7	0.0	0.0	76.5	0.0	82.3	78.2	80.1	77.1
Incr Delay (d2), s/veh	59.7	1.3	2.4	19.8	1.0	1.8	0.4	0.0	22.9	0.7	1.4	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.8	0.4	0.7	2.6	0.3	0.5	3.6	0.0	11.4	5.2	7.5	3.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	142.6	1.3	2.4	107.5	1.0	1.8	76.9	0.0	105.2	78.9	81.5	77.6
LnGrp LOS	F	A	A	F	A	A	E	A	F	E	F	E
Approach Vol, veh/h	2538			1638			282			341		
Approach Delay, s/veh	7.8			4.4			97.2			79.8		
Approach LOS	A			A			F			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	122.9			27.9	16.5	117.4		28.2				
Change Period (Y+Rc), s	4.4	5.3		4.9	4.4	* 5.3		4.9				
Max Green Setting (Gmax), s	95.7			36.0	12.1	* 93		29.7				
Max Q Clear Time (g_c+I_T), s	2.0			17.3	14.1	2.0		22.8				
Green Ext Time (p_c), s	0.0	48.2		0.8	0.0	42.2		0.5				

### Intersection Summary

HCM 6th Ctrl Delay 17.0  
HCM 6th LOS B

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 25: Greenford Dr & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔ ↑↑↑			↔ ↑↑↑			↔ ↑↑			↔ ↑		
Traffic Volume (veh/h)	18	2271	114	66	1450	62	97	68	33	11	36	12
Future Volume (veh/h)	18	2271	114	66	1450	62	97	68	33	11	36	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1525	1811	1811	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	19	2341	118	72	1576	67	104	73	35	14	46	15
Peak Hour Factor	0.97	0.97	0.97	0.92	0.92	0.92	0.93	0.93	0.93	0.78	0.78	0.78
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	23	3158	158	70	3355	143	104	53	327	22	65	16
Arrive On Green	0.03	1.00	1.00	0.10	1.00	1.00	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	1725	4816	241	1452	4862	207	335	240	1484	0	295	74
Grp Volume(v), veh/h	19	1596	863	72	1068	575	177	0	35	75	0	0
Grp Sat Flow(s),veh/h/ln	1725	1648	1760	1452	1648	1773	575	0	1484	368	0	0
Q Serve(g_s), s	2.1	0.0	0.0	9.1	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.1	0.0	0.0	9.1	0.0	0.0	41.9	0.0	3.6	41.9	0.0	0.0
Prop In Lane	1.00		0.14	1.00		0.12	0.59		1.00	0.19		0.20
Lane Grp Cap(c), veh/h	23	2162	1154	70	2275	1223	157	0	327	104	0	0
V/C Ratio(X)	0.81	0.74	0.75	1.03	0.47	0.47	1.13	0.00	0.11	0.72	0.00	0.00
Avail Cap(c_a), veh/h	83	2162	1154	70	2275	1223	157	0	327	104	0	0
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.49	0.49	0.49	0.91	0.91	0.91	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	92.2	0.0	0.0	85.9	0.0	0.0	78.0	0.0	59.1	63.2	0.0	0.0
Incr Delay (d2), s/veh	11.3	1.1	2.2	112.9	0.6	1.2	110.7	0.0	0.1	19.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.3	0.7	5.4	0.2	0.4	12.7	0.0	1.4	3.6	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	103.5	1.1	2.2	198.8	0.6	1.2	188.7	0.0	59.2	82.4	0.0	0.0
LnGrp LOS	F	A	A	F	A	A	F	A	E	F	A	A
Approach Vol, veh/h	2478			1715			212			75		
Approach Delay, s/veh	2.3			9.1			167.3			82.4		
Approach LOS	A			A			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.5	129.7		46.8	7.0	136.2		46.8				
Change Period (Y+Rc), s	4.4	5.1		4.9	4.4	* 5.1		4.9				
Max Green Setting (Gmax), s	9.1	124.6		41.9	9.1	* 1.2E2		41.9				
Max Q Clear Time (g_c+11),s	2.0			43.9	4.1	2.0		43.9				
Green Ext Time (p_c), s	0.0	64.8		0.0	0.0	27.2		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 14.1

HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 26: Marbury Ave/Westmore Rd & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↩ ↑↑↑			↩ ↑↑↑			↩ ↑↑			↩ ↑↑		
Traffic Volume (veh/h)	14	2279	37	166	1432	84	38	46	173	30	21	19
Future Volume (veh/h)	14	2279	37	166	1432	84	38	46	173	30	21	19
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1811	1811	1811	1525	1811	1811	1870	1870	1796	1870	1870	1796
Adj Flow Rate, veh/h	15	2374	39	178	1540	90	49	60	225	39	28	25
Peak Hour Factor	0.96	0.96	0.96	0.93	0.93	0.93	0.77	0.77	0.77	0.76	0.76	0.76
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	20	3258	53	123	3452	202	27	24	286	30	14	286
Arrive On Green	0.02	1.00	1.00	0.17	1.00	1.00	0.19	0.19	0.19	0.19	0.19	0.19
Sat Flow, veh/h	1725	5008	82	1452	4770	279	0	128	1512	0	75	1512
Grp Volume(v), veh/h	15	1560	853	178	1064	566	109	0	225	67	0	25
Grp Sat Flow(s),veh/h/ln	1725	1648	1794	1452	1648	1752	128	0	1512	75	0	1512
Q Serve(g_s), s	1.6	0.0	0.0	16.1	0.0	0.0	0.0	0.0	26.9	0.0	0.0	2.6
Cycle Q Clear(g_c), s	1.6	0.0	0.0	16.1	0.0	0.0	35.9	0.0	26.9	35.9	0.0	2.6
Prop In Lane	1.00		0.05	1.00		0.16	0.45		1.00	0.58		1.00
Lane Grp Cap(c), veh/h	20	2144	1167	123	2386	1268	52	0	286	44	0	286
V/C Ratio(X)	0.76	0.73	0.73	1.45	0.45	0.45	2.11	0.00	0.79	1.52	0.00	0.09
Avail Cap(c_a), veh/h	83	2144	1167	123	2386	1268	52	0	286	44	0	286
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.61	0.61	0.61	0.61	0.61	0.61	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	92.5	0.0	0.0	78.9	0.0	0.0	78.8	0.0	73.4	83.7	0.0	63.5
Incr Delay (d2), s/veh	12.3	1.4	2.5	226.4	0.4	0.7	560.3	0.0	12.6	320.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.4	0.8	13.2	0.1	0.2	10.6	0.0	11.6	6.1	0.0	1.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	104.9	1.4	2.5	305.3	0.4	0.7	639.1	0.0	86.0	404.2	0.0	63.6
LnGrp LOS	F	A	A	F	A	A	F	A	F	F	A	E
Approach Vol, veh/h	2428			1808			334			92		
Approach Delay, s/veh	2.4			30.5			266.5			311.7		
Approach LOS	A			C			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	20.5	128.7		40.8	6.6	142.6		40.8				
Change Period (Y+Rc), s	4.4	* 5.1		4.9	4.4	5.1		4.9				
Max Green Setting (Gmax), s	10.1	1.2E2		35.9	9.1	130.6		35.9				
Max Q Clear Time (g_c+10),s	2.0			37.9	3.6	2.0		37.9				
Green Ext Time (p_c), s	0.0	93.5		0.0	0.0	49.8		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 38.3

HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.















# HCM 6th Signalized Intersection Summary

## 27: Black Mountain Rd & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	446	1721	115	206	1272	232	177	617	193	376	358	305
Future Volume (veh/h)	446	1721	115	206	1272	232	177	617	193	376	358	305
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1525	1811	1811	1575	1870	1870	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	474	1831	122	229	1413	258	203	709	222	384	365	311
Peak Hour Factor	0.94	0.94	0.94	0.90	0.90	0.90	0.87	0.87	0.87	0.98	0.98	0.98
Percent Heavy Veh, %	6	6	6	2	2	2	3	3	3	3	3	3
Cap, veh/h	502	1915	836	542	2043	814	575	687	296	424	501	216
Arrive On Green	0.36	0.77	0.77	0.06	0.13	0.13	0.17	0.19	0.19	0.12	0.14	0.14
Sat Flow, veh/h	2818	4944	1492	2910	5106	1544	3428	3526	1519	3428	3526	1519
Grp Volume(v), veh/h	474	1831	122	229	1413	258	203	709	222	384	365	311
Grp Sat Flow(s),veh/h/ln	1409	1648	1492	1455	1702	1544	1714	1763	1519	1714	1763	1519
Q Serve(g_s), s	31.0	61.1	0.0	14.4	50.2	23.1	10.0	37.0	18.3	21.0	18.8	19.7
Cycle Q Clear(g_c), s	31.0	61.1	0.0	14.4	50.2	23.1	10.0	37.0	18.3	21.0	18.8	19.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	502	1915	836	542	2043	814	575	687	296	424	501	216
V/C Ratio(X)	0.94	0.96	0.15	0.42	0.69	0.32	0.35	1.03	0.75	0.91	0.73	1.44
Avail Cap(c_a), veh/h	909	1915	836	542	2043	814	575	687	296	558	809	349
HCM Platoon Ratio	2.00	2.00	2.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.55	0.55	0.55	0.81	0.81	0.81	0.75	0.75	0.75	0.91	0.91	0.91
Uniform Delay (d), s/veh	60.2	20.0	7.1	79.3	71.3	39.1	69.9	76.5	35.2	82.2	78.0	43.2
Incr Delay (d2), s/veh	3.5	8.0	0.2	0.2	1.6	0.8	0.1	38.5	7.5	12.3	1.5	216.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.0	13.7	1.0	5.7	23.5	9.8	4.4	20.4	7.5	10.0	8.7	20.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	63.7	28.0	7.3	79.5	72.8	40.0	70.0	115.0	42.6	94.4	79.5	260.0
LnGrp LOS	E	C	A	E	E	D	E	F	D	F	E	F
Approach Vol, veh/h	2427					1900		1134		1060		
Approach Delay, s/veh	33.9					69.2		92.8		137.9		
Approach LOS	C					E		F		F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	40.5	78.9	37.6	33.0	38.3	81.1	27.9	42.7				
Change Period (Y+Rc), s	5.1	* 5.3	5.7	* 6	4.4	5.1	4.4	5.7				
Max Green Setting (Gmax), s	20.7	* 74	24.0	* 44	61.3	41.2	30.9	37.0				
Max Q Clear Time (g_c+1), s	10.4	63.1	12.0	21.7	33.0	52.2	23.0	39.0				
Green Ext Time (p_c), s	0.3	9.8	0.3	2.9	0.9	0.0	0.5	0.0				

### Intersection Summary

HCM 6th Ctrl Delay 71.3

HCM 6th LOS E

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 28: Westview Pkwy & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (veh/h)	267	1938	69	511	1444	633	227	319	518	579	236	120
Future Volume (veh/h)	267	1938	69	511	1444	633	227	319	518	579	236	120
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.93	1.00		0.91
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No	No	No	No	No	No	No	No	No	No	No	No
Adj Sat Flow, veh/h/ln	1575	1870	1870	1563	1856	1856	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	278	2019	72	574	1622	711	255	358	582	623	254	129
Peak Hour Factor	0.96	0.96	0.96	0.89	0.89	0.89	0.89	0.89	0.89	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	3	3	3	2	2	2	2	2	2
Cap, veh/h	311	2521	90	601	2764	880	525	418	659	686	389	301
Arrive On Green	0.07	0.22	0.22	0.21	0.43	0.43	0.15	0.22	0.22	0.14	0.21	0.21
Sat Flow, veh/h	2910	7602	271	2887	6383	1536	3563	1870	2949	5023	1870	1447
Grp Volume(v), veh/h	278	1609	482	574	1622	711	255	358	582	623	254	129
Grp Sat Flow(s),veh/h/ln	1455	1515	1813	1444	1596	1536	1781	1870	1474	1674	1870	1447
Q Serve(g_s), s	18.0	47.7	47.8	37.3	36.7	70.5	12.5	34.9	36.3	23.2	23.6	11.8
Cycle Q Clear(g_c), s	18.0	47.7	47.8	37.3	36.7	70.5	12.5	34.9	36.3	23.2	23.6	11.8
Prop In Lane	1.00		0.15	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	311	2010	601	601	2764	880	525	418	659	686	389	301
V/C Ratio(X)	0.89	0.80	0.80	0.95	0.59	0.81	0.49	0.86	0.88	0.91	0.65	0.43
Avail Cap(c_a), veh/h	409	2010	601	618	2764	880	525	449	708	796	550	426
HCM Platoon Ratio	0.67	0.67	0.67	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.31	0.31	0.31	0.36	0.36	0.36	1.00	1.00	1.00	0.82	0.82	0.82
Uniform Delay (d), s/veh	87.1	68.0	68.0	74.3	40.9	32.8	74.4	70.8	71.4	80.9	68.9	41.9
Incr Delay (d2), s/veh	5.6	1.1	3.6	12.3	0.3	3.0	0.3	15.6	13.0	10.2	2.5	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.2	19.2	23.4	14.9	14.7	26.4	5.7	18.5	14.8	10.7	11.6	4.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	92.7	69.1	71.6	86.6	41.3	35.8	74.7	86.5	84.3	91.1	71.4	43.2
LnGrp LOS	F	E	E	F	D	D	E	F	F	F	E	D
Approach Vol, veh/h		2369			2907			1195			1006	
Approach Delay, s/veh		72.3			48.9			82.9			80.0	
Approach LOS		E			D			F			F	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	44.0	67.9	33.3	44.8	24.7	87.2	30.3	47.8				
Change Period (Y+Rc), s	4.4	4.9	5.3	* 5.3	4.4	4.9	4.4	5.3				
Max Green Setting (Gmax), s	40.7	54.6	19.7	* 56	26.7	68.6	30.1	45.6				
Max Q Clear Time (g_c+30),s	39.3	49.8	14.5	25.6	20.0	72.5	25.2	38.3				
Green Ext Time (p_c), s	0.2	4.7	0.2	3.3	0.3	0.0	0.7	4.2				

### Intersection Summary

HCM 6th Ctrl Delay	65.9
HCM 6th LOS	E

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 29: Mira Mesa Blvd & I-15 SB Off-ramp

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰	↑↑↑	↱		↑↑↑	↱				↰		↱
Traffic Volume (veh/h)	1	2192	838	0	1420	374	0	0	0	388	0	1247
Future Volume (veh/h)	1	2192	838	0	1420	374	0	0	0	388	0	1247
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1856	1856	1856	0	1856	1856				1870	0	1870
Adj Flow Rate, veh/h	1	2260	0	0	1596	420				417	0	1341
Peak Hour Factor	0.97	0.97	0.97	0.89	0.89	0.89				0.93	0.93	0.93
Percent Heavy Veh, %	3	3	3	0	3	3				2	0	2
Cap, veh/h	72	2760		0	2361	1283				1262	0	1132
Arrive On Green	0.04	0.54	0.00	0.00	0.47	0.47				0.37	0.00	0.37
Sat Flow, veh/h	1767	5066	2768	0	5233	1520				3456	0	2790
Grp Volume(v), veh/h	1	2260	0	0	1596	420				417	0	1341
Grp Sat Flow(s),veh/h/ln	1767	1689	1384	0	1689	1520				1728	0	1395
Q Serve(g_s), s	0.1	45.2	0.0	0.0	30.3	7.9				10.7	0.0	45.0
Cycle Q Clear(g_c), s	0.1	45.2	0.0	0.0	30.3	7.9				10.7	0.0	45.0
Prop In Lane	1.00		1.00	0.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	72	2760		0	2361	1283				1262	0	1132
V/C Ratio(X)	0.01	0.82		0.00	0.68	0.33				0.33	0.00	1.18
Avail Cap(c_a), veh/h	430	3892		0	2466	1314				1262	0	1132
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	56.8	23.1	0.0	0.0	25.6	2.4				28.2	0.0	36.6
Incr Delay (d2), s/veh	0.0	0.7	0.0	0.0	0.6	0.1				0.1	0.0	92.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	17.1	0.0	0.0	11.9	8.8				4.5	0.0	14.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	56.8	23.7	0.0	0.0	26.2	2.5				28.3	0.0	129.0
LnGrp LOS	E	C		A	C	A				C	A	F
Approach Vol, veh/h	2261		A	2016			1758					
Approach Delay, s/veh	23.7			21.3			105.1					
Approach LOS	C			C			F					
Timer - Assigned Phs	2			4		5	6					
Phs Duration (G+Y+Rc), s	73.1			50.1		9.7	63.4					
Change Period (Y+Rc), s	6.0			5.1		* 4.7	6.0					
Max Green Setting (Gmax), s	94.7			45.0		* 30	60.0					
Max Q Clear Time (g_c+l1), s	47.2			47.0		2.1	32.3					
Green Ext Time (p_c), s	20.0			0.0		0.0	10.8					

### Intersection Summary

HCM 6th Ctrl Delay 46.6  
HCM 6th LOS D

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary 30: I-15 NB Off-ramp & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑	↑	↑	↑↑↑	↑	↑↑		↑↑			
Traffic Volume (veh/h)	0	1374	1186	1	1027	547	781	0	351	0	0	0
Future Volume (veh/h)	0	1374	1186	1	1027	547	781	0	351	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1856	1856	1856	1856	1856	1870	0	1870			
Adj Flow Rate, veh/h	0	1388	1198	1	1194	0	858	0	386			
Peak Hour Factor	0.99	0.99	0.99	0.86	0.86	0.86	0.91	0.91	0.91			
Percent Heavy Veh, %	0	3	3	3	3	3	2	0	2			
Cap, veh/h	0	2778	1275	74	3188		961	0	892			
Arrive On Green	0.00	0.55	0.55	0.04	0.63	0.00	0.28	0.00	0.28			
Sat Flow, veh/h	0	5233	1528	1767	5066	1572	3456	0	2790			
Grp Volume(v), veh/h	0	1388	1198	1	1194	0	858	0	386			
Grp Sat Flow(s),veh/h/ln	0	1689	1528	1767	1689	1572	1728	0	1395			
Q Serve(g_s), s	0.0	20.5	65.8	0.1	13.7	0.0	28.6	0.0	13.1			
Cycle Q Clear(g_c), s	0.0	20.5	65.8	0.1	13.7	0.0	28.6	0.0	13.1			
Prop In Lane	0.00		1.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	2778	1275	74	3188		961	0	892			
V/C Ratio(X)	0.00	0.50	0.94	0.01	0.37		0.89	0.00	0.43			
Avail Cap(c_a), veh/h	0	2778	1275	147	3188		1503	0	1330			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.73	0.73	1.00	1.00	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	16.9	7.5	55.1	10.8	0.0	41.6	0.0	32.2			
Incr Delay (d2), s/veh	0.0	0.5	11.3	0.0	0.3	0.0	3.1	0.0	0.1			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	7.7	40.2	0.0	4.9	0.0	12.5	0.0	10.8			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	17.3	18.8	55.2	11.1	0.0	44.7	0.0	32.3			
LnGrp LOS	A	B	B	E	B		D	A	C			
Approach Vol, veh/h		2586			1195	A		1244				
Approach Delay, s/veh		18.0			11.2			40.8				
Approach LOS		B			B			D				
Timer - Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	71.8			38.5		81.5						
Change Period (Y+Rc), s	4.7	6.0		5.1		6.0						
Max Green Setting (Gmax), s	42.0			52.2		56.7						
Max Q Clear Time (g_c+I_T),s	67.8			30.6		15.7						
Green Ext Time (p_c), s	0.0	0.0		2.8		6.7						

## Intersection Summary

HCM 6th Ctrl Delay	22.0
HCM 6th LOS	C

## Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary

## 31: Black Mountain Rd & Mercy Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↰	↱	↰↱	↰	↱	↰	↱	↰	↰↱	↰↱↱	↱
Traffic Volume (veh/h)	0	3	1	493	2	412	18	1375	593	276	796	0
Future Volume (veh/h)	0	3	1	493	2	412	18	1375	593	276	796	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1796	1870	1870	1870	1563	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	0	6	2	542	0	454	19	1447	624	310	894	0
Peak Hour Factor	0.50	0.50	0.50	0.91	0.91	0.91	0.95	0.95	0.95	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	0	24	19	615	0	534	21	2113	1199	350	3480	1080
Arrive On Green	0.00	0.01	0.01	0.17	0.00	0.17	0.01	0.60	0.60	0.10	0.69	0.00
Sat Flow, veh/h	0	1870	1472	3563	0	3091	1488	3526	1548	3428	5066	1572
Grp Volume(v), veh/h	0	6	2	542	0	454	19	1447	624	310	894	0
Grp Sat Flow(s),veh/h/ln	0	1870	1472	1781	0	1545	1488	1763	1548	1714	1689	1572
Q Serve(g_s), s	0.0	0.5	0.2	23.8	0.0	22.8	2.0	44.6	24.6	14.3	10.7	0.0
Cycle Q Clear(g_c), s	0.0	0.5	0.2	23.8	0.0	22.8	2.0	44.6	24.6	14.3	10.7	0.0
Prop In Lane	0.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	0	24	19	615	0	534	21	2113	1199	350	3480	1080
V/C Ratio(X)	0.00	0.25	0.11	0.88	0.00	0.85	0.89	0.68	0.52	0.89	0.26	0.00
Avail Cap(c_a), veh/h	0	456	359	802	0	695	102	2113	1199	364	3480	1080
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	78.2	78.1	64.6	0.0	64.2	78.7	21.8	7.0	70.9	9.5	0.0
Incr Delay (d2), s/veh	0.0	2.0	0.9	7.7	0.0	6.3	32.2	1.8	1.6	20.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.3	0.1	11.2	0.0	9.2	1.0	17.8	15.2	7.2	3.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	80.2	79.0	72.2	0.0	70.5	110.9	23.6	8.6	91.6	9.7	0.0
LnGrp LOS	A	F	E	E	A	E	F	C	A	F	A	A
Approach Vol, veh/h	8			996			2090			1204		
Approach Delay, s/veh	79.9			71.5			19.9			30.8		
Approach LOS	E			E			B			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	20.3	102.0		6.0	6.3	116.0		31.6				
Change Period (Y+Rc), s	4.0	6.1		4.0	4.0	* 6.1		4.0				
Max Green Setting (Gmax), s	49.9			39.0	11.0	* 56		36.0				
Max Q Clear Time (g_c+10),s	46.6			2.5	4.0	12.7		25.8				
Green Ext Time (p_c), s	0.1	2.8		0.0	0.0	6.8		1.7				

### Intersection Summary

HCM 6th Ctrl Delay 35.0

HCM 6th LOS D

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 32: Camino Santa Fe & Miramar Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰↱	↑↑↑	↱	↰↱	↑↑↑	↱	↰	↑	↱	↰↱	↑	↱↱
Traffic Volume (veh/h)	746	1988	56	33	1343	68	47	31	7	111	3	906
Future Volume (veh/h)	746	1988	56	33	1343	68	47	31	7	111	3	906
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	1525	1811	1811	1870	1870	1870	1575	1870	1870
Adj Flow Rate, veh/h	777	2071	58	36	1460	74	66	44	10	131	0	1053
Peak Hour Factor	0.96	0.96	0.96	0.92	0.92	0.92	0.71	0.71	0.71	0.86	0.86	0.86
Percent Heavy Veh, %	7	7	7	6	6	6	2	2	2	2	2	2
Cap, veh/h	674	3173	969	57	2294	700	95	79	18	452	0	1120
Arrive On Green	0.20	0.65	0.65	0.03	0.62	0.62	0.05	0.05	0.05	0.15	0.00	0.15
Sat Flow, veh/h	3319	4904	1498	2818	4944	1508	1781	1473	335	3000	0	3164
Grp Volume(v), veh/h	777	2071	58	36	1460	74	66	0	54	131	0	1053
Grp Sat Flow(s),veh/h/ln	1659	1635	1498	1409	1648	1508	1781	0	1808	1500	0	1582
Q Serve(g_s), s	32.5	41.3	2.3	2.0	29.8	3.2	5.8	0.0	4.7	6.2	0.0	24.1
Cycle Q Clear(g_c), s	32.5	41.3	2.3	2.0	29.8	3.2	5.8	0.0	4.7	6.2	0.0	24.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.19	1.00		1.00
Lane Grp Cap(c), veh/h	674	3173	969	57	2294	700	95	0	97	452	0	1120
V/C Ratio(X)	1.15	0.65	0.06	0.63	0.64	0.11	0.69	0.00	0.56	0.29	0.00	0.94
Avail Cap(c_a), veh/h	674	3173	969	167	2294	700	356	0	362	452	0	1120
HCM Platoon Ratio	1.00	1.00	1.00	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.92	0.92	0.92	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	63.8	17.3	10.4	77.3	22.1	17.0	74.4	0.0	73.9	60.4	0.0	50.1
Incr Delay (d2), s/veh	85.0	1.1	0.1	4.0	1.3	0.3	3.3	0.0	1.9	0.3	0.0	14.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	21.3	14.5	0.7	0.8	9.9	1.2	2.8	0.0	2.2	2.4	0.0	22.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	148.7	18.3	10.5	81.3	23.4	17.3	77.7	0.0	75.7	60.7	0.0	64.7
LnGrp LOS	F	B	B	F	C	B	E	A	E	E	A	E
Approach Vol, veh/h	2906			1570			120			1184		
Approach Delay, s/veh	53.0			24.4			76.8			64.3		
Approach LOS	D			C			E			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.6	109.3		29.6	36.9	80.0		13.5				
Change Period (Y+Rc), s	4.4	5.8		5.5	4.4	* 5.8		4.9				
Max Green Setting (Gmax), s	95	73.8		24.1	32.5	* 51		32.0				
Max Q Clear Time (g_c+I),s	14.0	43.3		26.1	34.5	31.8		7.8				
Green Ext Time (p_c), s	0.0	26.3		0.0	0.0	15.2		0.2				

### Intersection Summary

HCM 6th Ctrl Delay 48.1  
HCM 6th LOS D

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 33: Miramar Rd & Commerce Ave

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	EBT ↑↑↑			EBT ↑↑↑				EBT ↑	EBT ↑		EBT ↑	EBT ↑
Traffic Volume (veh/h)	95	1982	19	30	1219	47	50	10	49	82	5	89
Future Volume (veh/h)	95	1982	19	30	1219	47	50	10	49	82	5	89
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1525	1811	1811	1525	1811	1811	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	99	2065	20	34	1385	53	53	11	52	106	6	116
Peak Hour Factor	0.96	0.96	0.96	0.88	0.88	0.88	0.94	0.94	0.94	0.77	0.77	0.77
Percent Heavy Veh, %	6	6	6	6	6	6	2	2	2	2	2	2
Cap, veh/h	131	2988	29	124	3131	120	41	5	331	44	1	345
Arrive On Green	0.09	1.00	1.00	0.03	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	2818	5048	49	1452	4884	187	0	22	1513	0	6	1576
Grp Volume(v), veh/h	99	1348	737	34	935	503	64	0	52	112	0	116
Grp Sat Flow(s),veh/h/ln	1409	1648	1801	1452	1648	1775	22	0	1513	6	0	1576
Q Serve(g_s), s	5.5	0.0	0.0	3.7	39.5	39.5	0.0	0.0	4.4	0.0	0.0	9.9
Cycle Q Clear(g_c), s	5.5	0.0	0.0	3.7	39.5	39.5	35.0	0.0	4.4	35.0	0.0	9.9
Prop In Lane	1.00		0.03	1.00		0.11	0.83		1.00	0.95		1.00
Lane Grp Cap(c), veh/h	131	1951	1066	124	2113	1138	46	0	331	45	0	345
V/C Ratio(X)	0.76	0.69	0.69	0.27	0.44	0.44	1.39	0.00	0.16	2.48	0.00	0.34
Avail Cap(c_a), veh/h	178	1951	1066	136	2113	1138	46	0	331	45	0	345
HCM Platoon Ratio	2.00	2.00	2.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.74	0.74	0.74	0.94	0.94	0.94	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	71.7	0.0	0.0	72.9	38.2	38.2	76.3	0.0	50.6	79.0	0.0	52.7
Incr Delay (d2), s/veh	5.6	1.5	2.7	0.4	0.6	1.2	267.8	0.0	0.2	728.3	0.0	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.4	0.8	1.4	17.6	19.2	5.3	0.0	1.7	11.0	0.0	4.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	77.3	1.5	2.7	73.3	38.8	39.4	344.1	0.0	50.8	807.2	0.0	53.5
LnGrp LOS	E	A	A	E	D	D	F	A	D	F	A	D
Approach Vol, veh/h	2184			1472			116			228		
Approach Delay, s/veh	5.4			39.8			212.6			423.8		
Approach LOS	A			D			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	100.7			39.9	11.8	108.3		39.9				
Change Period (Y+Rc), s	5.7	* 6		4.9	4.4	5.7		4.9				
Max Green Setting (Gmax), s	100.0	* 95		35.0	10.1	99.9		35.0				
Max Q Clear Time (g_c+Ib), s	2.0			37.0	7.5	41.5		37.0				
Green Ext Time (p_c), s	0.0	59.9		0.0	0.0	29.5		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 47.9

HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.

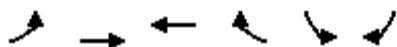
\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 34: Miramar Rd & Production Ave

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	47	2066	1224	30	52	80
Future Volume (veh/h)	47	2066	1224	30	52	80
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1811	1811	1796	1796	1870	1870
Adj Flow Rate, veh/h	52	2270	1302	32	74	114
Peak Hour Factor	0.91	0.91	0.94	0.94	0.70	0.70
Percent Heavy Veh, %	6	6	7	7	2	2
Cap, veh/h	66	4190	3834	1164	152	135
Arrive On Green	0.08	1.00	1.00	1.00	0.09	0.09
Sat Flow, veh/h	1725	5107	5065	1489	1781	1585
Grp Volume(v), veh/h	52	2270	1302	32	74	114
Grp Sat Flow(s), veh/h/ln	1725	1648	1635	1489	1781	1585
Q Serve(g_s), s	4.7	0.0	0.0	0.0	6.3	11.3
Cycle Q Clear(g_c), s	4.7	0.0	0.0	0.0	6.3	11.3
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	66	4190	3834	1164	152	135
V/C Ratio(X)	0.79	0.54	0.34	0.03	0.49	0.85
Avail Cap(c_a), veh/h	249	4190	3834	1164	402	358
HCM Platoon Ratio	2.00	2.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	0.77	0.77	0.92	0.92	1.00	1.00
Uniform Delay (d), s/veh	73.3	0.0	0.0	0.0	69.9	72.2
Incr Delay (d2), s/veh	6.0	0.4	0.2	0.0	0.9	5.4
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	2.1	0.2	0.1	0.0	3.0	9.9
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	79.2	0.4	0.2	0.0	70.8	77.6
LnGrp LOS	E	A	A	A	E	E
Approach Vol, veh/h		2322	1334		188	
Approach Delay, s/veh		2.2	0.2		74.9	
Approach LOS		A	A		E	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		141.5		18.5	10.5	131.0
Change Period (Y+Rc), s		5.9		4.9	4.4	* 5.9
Max Green Setting (Gmax), s		113.1		36.1	23.1	* 86
Max Q Clear Time (g_c+l1), s		2.0		13.3	6.7	2.0
Green Ext Time (p_c), s		93.8		0.3	0.0	45.2

### Intersection Summary

HCM 6th Ctrl Delay 5.0  
HCM 6th LOS A

### Notes

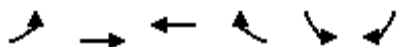
User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 35: Miramar Rd & Distribution Ave

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	83	2047	1157	76	81	106
Future Volume (veh/h)	83	2047	1157	76	81	106
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1870	1870
Adj Flow Rate, veh/h	93	2300	1231	81	92	120
Peak Hour Factor	0.89	0.89	0.94	0.94	0.88	0.88
Percent Heavy Veh, %	7	7	7	7	2	2
Cap, veh/h	483	4155	2605	791	158	141
Arrive On Green	0.56	1.00	0.18	0.18	0.09	0.09
Sat Flow, veh/h	1711	5065	5065	1490	1781	1585
Grp Volume(v), veh/h	93	2300	1231	81	92	120
Grp Sat Flow(s),veh/h/ln	1711	1635	1635	1490	1781	1585
Q Serve(g_s), s	4.2	0.0	36.1	7.3	7.9	11.9
Cycle Q Clear(g_c), s	4.2	0.0	36.1	7.3	7.9	11.9
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	483	4155	2605	791	158	141
V/C Ratio(X)	0.19	0.55	0.47	0.10	0.58	0.85
Avail Cap(c_a), veh/h	483	4155	2605	791	381	339
HCM Platoon Ratio	2.00	2.00	0.33	0.33	1.00	1.00
Upstream Filter(I)	0.82	0.82	0.95	0.95	1.00	1.00
Uniform Delay (d), s/veh	25.9	0.0	45.8	33.9	70.0	71.8
Incr Delay (d2), s/veh	0.1	0.4	0.6	0.2	1.3	5.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.2	16.0	2.7	3.7	10.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	26.0	0.4	46.4	34.2	71.3	77.3
LnGrp LOS	C	A	D	C	E	E
Approach Vol, veh/h		2393	1312		212	
Approach Delay, s/veh		1.4	45.6		74.7	
Approach LOS		A	D		E	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		141.4		18.6	51.0	90.4
Change Period (Y+Rc), s		5.8		4.4	5.8	* 5.4
Max Green Setting (Gmax), s		115.6		34.2	26.6	* 85
Max Q Clear Time (g_c+I1), s		2.0		13.9	6.2	38.1
Green Ext Time (p_c), s		82.2		0.3	0.1	21.6
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			20.2			
HCM 6th LOS			C			

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 36: Miramar Wy & Miramar Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	36	1997	74	15	1136	37	52	0	4	47	0	10
Future Volume (veh/h)	36	1997	74	15	1136	37	52	0	4	47	0	10
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.99	0.99		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	38	2102	78	15	1171	38	63	0	5	66	0	14
Peak Hour Factor	0.95	0.95	0.95	0.97	0.97	0.97	0.82	0.82	0.82	0.71	0.71	0.71
Percent Heavy Veh, %	7	7	7	7	7	7	2	2	2	2	2	2
Cap, veh/h	48	2657	804	475	3903	127	164	148	125	132	3	20
Arrive On Green	0.06	1.00	1.00	0.56	1.00	1.00	0.08	0.00	0.08	0.08	0.00	0.08
Sat Flow, veh/h	1711	4904	1484	1711	4875	158	1393	1870	1573	1147	40	252
Grp Volume(v), veh/h	38	2102	78	15	785	424	63	0	5	80	0	0
Grp Sat Flow(s),veh/h/ln	1711	1635	1484	1711	1635	1764	1393	1870	1573	1438	0	0
Q Serve(g_s), s	3.5	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.5	8.3	0.0	0.0
Cycle Q Clear(g_c), s	3.5	0.0	0.0	0.6	0.0	0.0	6.2	0.0	0.5	8.6	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.09	1.00		1.00	0.82		0.17
Lane Grp Cap(c), veh/h	48	2657	804	475	2618	1412	164	148	125	155	0	0
V/C Ratio(X)	0.79	0.79	0.10	0.03	0.30	0.30	0.38	0.00	0.04	0.52	0.00	0.00
Avail Cap(c_a), veh/h	97	2657	804	475	2618	1412	333	374	315	327	0	0
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.80	0.80	0.80	0.94	0.94	0.94	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	75.0	0.0	0.0	25.8	0.0	0.0	70.7	0.0	68.0	71.8	0.0	0.0
Incr Delay (d2), s/veh	8.3	2.0	0.2	0.0	0.3	0.5	0.5	0.0	0.0	1.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.5	0.0	0.3	0.1	0.2	2.5	0.0	0.2	3.3	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	83.4	2.0	0.2	25.9	0.3	0.5	71.2	0.0	68.1	72.7	0.0	0.0
LnGrp LOS	F	A	A	C	A	A	E	A	E	E	A	A
Approach Vol, veh/h	2218			1224			68			80		
Approach Delay, s/veh	3.3			0.7			71.0			72.7		
Approach LOS	A			A			E			E		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	49.8	92.6		17.6	8.9	133.5		17.6				
Change Period (Y+Rc), s	5.4	* 5.9		4.9	4.4	5.4		4.9				
Max Green Setting (Gmax), s	20.1	* 87		32.0	9.1	104.2		32.0				
Max Q Clear Time (g_c+I), s	17.6	2.0		10.6	5.5	2.0		8.2				
Green Ext Time (p_c), s	0.0	63.1		0.2	0.0	27.8		0.1				

## Intersection Summary

HCM 6th Ctrl Delay 5.3

HCM 6th LOS A

## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 37: Miramar Rd & Carroll Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	85	1863	0	4	1007	130	0	0	0	487	0	165
Future Volume (veh/h)	85	1863	0	4	1007	130	0	0	0	487	0	165
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98				1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	0	1870	1796	1796				1870	1870	1870
Adj Flow Rate, veh/h	90	1982	0	4	1038	134				598	0	122
Peak Hour Factor	0.94	0.94	0.94	0.97	0.97	0.97				0.90	0.90	0.90
Percent Heavy Veh, %	7	7	0	2	7	7				2	2	2
Cap, veh/h	108	3474	0	7	3185	1258				684	0	301
Arrive On Green	0.13	1.00	0.00	0.00	0.21	0.21				0.19	0.00	0.19
Sat Flow, veh/h	1711	5065	0	1781	4904	1488				3563	0	1570
Grp Volume(v), veh/h	90	1982	0	4	1038	134				598	0	122
Grp Sat Flow(s),veh/h/ln	1711	1635	0	1781	1635	1488				1781	0	1570
Q Serve(g_s), s	8.2	0.0	0.0	0.4	28.6	5.3				26.1	0.0	10.9
Cycle Q Clear(g_c), s	8.2	0.0	0.0	0.4	28.6	5.3				26.1	0.0	10.9
Prop In Lane	1.00		0.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	108	3474	0	7	3185	1258				684	0	301
V/C Ratio(X)	0.84	0.57	0.00	0.55	0.33	0.11				0.87	0.00	0.40
Avail Cap(c_a), veh/h	172	3474	0	68	3185	1258				1136	0	500
HCM Platoon Ratio	2.00	2.00	1.00	0.33	0.33	0.33				1.00	1.00	1.00
Upstream Filter(l)	0.80	0.80	0.00	0.97	0.97	0.97				0.78	0.00	0.78
Uniform Delay (d), s/veh	69.1	0.0	0.0	79.7	33.3	5.4				62.8	0.0	56.6
Incr Delay (d2), s/veh	7.5	0.5	0.0	21.5	0.3	0.2				3.5	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.6	0.2	0.0	0.2	12.6	4.5				12.1	0.0	9.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	76.7	0.5	0.0	101.2	33.5	5.6				66.2	0.0	57.3
LnGrp LOS	E	A	A	F	C	A				E	A	E
Approach Vol, veh/h	2072			1176						720		
Approach Delay, s/veh	3.9			30.6						64.7		
Approach LOS	A			C						E		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	51	119.3		35.6	14.5	109.9						
Change Period (Y+Rc), s	4.4	* 6		4.9	4.4	6.0						
Max Green Setting (Gmax), s	88	* 88		51.0	16.1	77.6						
Max Q Clear Time (g_c+I_T), s	2.0	2.0		28.1	10.2	30.6						
Green Ext Time (p_c), s	0.0	51.8		2.6	0.0	14.3						

### Intersection Summary

HCM 6th Ctrl Delay	22.8
HCM 6th LOS	C

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 38: Miramar Rd & Empire St

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↑↑		↔	↑↑↑	↔					↔	
Traffic Volume (veh/h)	12	2379	0	1	1078	17	0	0	0	22	0	24
Future Volume (veh/h)	12	2379	0	1	1078	17	0	0	0	22	0	24
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	0	1870	1796	1796				1900	1870	1900
Adj Flow Rate, veh/h	12	2403	0	1	1111	18				25	0	27
Peak Hour Factor	0.99	0.99	0.99	0.97	0.97	0.97				0.89	0.89	0.89
Percent Heavy Veh, %	7	7	0	2	7	7				0	2	0
Cap, veh/h	18	4280	0	2	4235	1282				32	0	35
Arrive On Green	0.01	1.00	0.00	0.00	1.00	1.00				0.04	0.00	0.04
Sat Flow, veh/h	1711	5065	0	1781	4904	1485				805	0	869
Grp Volume(v), veh/h	12	2403	0	1	1111	18				52	0	0
Grp Sat Flow(s),veh/h/ln	1711	1635	0	1781	1635	1485				1674	0	0
Q Serve(g_s), s	1.1	0.0	0.0	0.1	0.0	0.0				4.9	0.0	0.0
Cycle Q Clear(g_c), s	1.1	0.0	0.0	0.1	0.0	0.0				4.9	0.0	0.0
Prop In Lane	1.00		0.00	1.00		1.00				0.48		0.52
Lane Grp Cap(c), veh/h	18	4280	0	2	4235	1282				67	0	0
V/C Ratio(X)	0.68	0.56	0.00	0.52	0.26	0.01				0.78	0.00	0.00
Avail Cap(c_a), veh/h	225	4280	0	111	4235	1282				347	0	0
HCM Platoon Ratio	1.33	1.33	1.00	2.00	2.00	2.00				1.00	1.00	1.00
Upstream Filter(I)	0.76	0.76	0.00	0.96	0.96	0.96				1.00	0.00	0.00
Uniform Delay (d), s/veh	78.6	0.0	0.0	79.8	0.0	0.0				76.1	0.0	0.0
Incr Delay (d2), s/veh	12.1	0.4	0.0	60.0	0.1	0.0				7.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.2	0.0	0.1	0.1	0.0				2.3	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	90.7	0.4	0.0	139.8	0.1	0.0				83.3	0.0	0.0
LnGrp LOS	F	A	A	F	A	A				F	A	A
Approach Vol, veh/h	2415			1130						52		
Approach Delay, s/veh	0.9			0.3						83.3		
Approach LOS	A			A						F		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	4.2	145.5		10.4	5.7	144.0						
Change Period (Y+Rc), s	4.0	* 5.8		4.0	4.0	5.8						
Max Green Setting (Gmax), s	10.0	* 1E2		33.2	21.0	92.0						
Max Q Clear Time (g_c+I),s	2.0			6.9	3.1	2.0						
Green Ext Time (p_c), s	0.0	83.8		0.1	0.0	22.5						

### Intersection Summary

HCM 6th Ctrl Delay	1.9
HCM 6th LOS	A

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 39: Miramar Rd & Dowdy Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰	↑↑↑		↰	↑↑↑	↰				↰		↰
Traffic Volume (veh/h)	99	2328	0	4	955	55	0	0	0	187	0	119
Future Volume (veh/h)	99	2328	0	4	955	55	0	0	0	187	0	119
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	0	1870	1796	1796				1870	0	1870
Adj Flow Rate, veh/h	110	2587	0	4	995	57				271	0	172
Peak Hour Factor	0.90	0.90	0.90	0.96	0.96	0.96				0.69	0.69	0.69
Percent Heavy Veh, %	7	7	0	2	7	7				2	0	2
Cap, veh/h	130	3591	0	7	3238	980				295	0	383
Arrive On Green	0.05	0.49	0.00	0.01	1.00	1.00				0.17	0.00	0.17
Sat Flow, veh/h	1711	5065	0	1781	4904	1484				1781	0	1585
Grp Volume(v), veh/h	110	2587	0	4	995	57				271	0	172
Grp Sat Flow(s),veh/h/ln	1711	1635	0	1781	1635	1484				1781	0	1585
Q Serve(g_s), s	10.2	66.5	0.0	0.4	0.0	0.0				24.0	0.0	14.8
Cycle Q Clear(g_c), s	10.2	66.5	0.0	0.4	0.0	0.0				24.0	0.0	14.8
Prop In Lane	1.00		0.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	130	3591	0	7	3238	980				295	0	383
V/C Ratio(X)	0.85	0.72	0.00	0.55	0.31	0.06				0.92	0.00	0.45
Avail Cap(c_a), veh/h	172	3591	0	112	3238	980				385	0	463
HCM Platoon Ratio	0.67	0.67	1.00	2.00	2.00	2.00				1.00	1.00	1.00
Upstream Filter(I)	0.81	0.81	0.00	0.96	0.96	0.96				1.00	0.00	1.00
Uniform Delay (d), s/veh	75.0	27.8	0.0	79.2	0.0	0.0				65.7	0.0	51.6
Incr Delay (d2), s/veh	16.8	1.0	0.0	21.3	0.2	0.1				20.2	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.1	27.2	0.0	0.2	0.1	0.0				12.6	0.0	13.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	91.8	28.9	0.0	100.5	0.2	0.1				85.9	0.0	51.9
LnGrp LOS	F	C	A	F	A	A				F	A	D
Approach Vol, veh/h	2697			1056						443		
Approach Delay, s/veh	31.5			0.6						72.7		
Approach LOS	C			A						E		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	51.1	123.6		31.4	16.6	112.1						
Change Period (Y+Rc), s	4.4	* 6.4		4.9	4.4	6.4						
Max Green Setting (Gmax), s	10.0	* 1E2		34.6	16.1	93.6						
Max Q Clear Time (g_c+I),s	17.4	68.5		26.0	12.2	2.0						
Green Ext Time (p_c), s	0.0	27.7		0.5	0.0	11.6						

## Intersection Summary

HCM 6th Ctrl Delay 28.0  
HCM 6th LOS C

## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 40: Miramar Rd & Cabot Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	117	2393	0	23	979	100	0	0	0	126	0	68
Future Volume (veh/h)	117	2393	0	23	979	100	0	0	0	126	0	68
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98				1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	0	1575	1796	1796				1870	1870	1870
Adj Flow Rate, veh/h	123	2519	0	25	1053	108				110	46	77
Peak Hour Factor	0.95	0.95	0.95	0.93	0.93	0.93				0.88	0.88	0.88
Percent Heavy Veh, %	7	7	0	2	7	7				2	2	2
Cap, veh/h	119	3885	0	29	3640	1104				165	58	97
Arrive On Green	0.14	1.00	0.00	0.02	0.74	0.74				0.09	0.09	0.09
Sat Flow, veh/h	1711	5065	0	1500	4904	1487				1781	626	1048
Grp Volume(v), veh/h	123	2519	0	25	1053	108				110	0	123
Grp Sat Flow(s),veh/h/ln	1711	1635	0	1500	1635	1487				1781	0	1674
Q Serve(g_s), s	11.1	0.0	0.0	2.7	11.3	3.2				9.6	0.0	11.5
Cycle Q Clear(g_c), s	11.1	0.0	0.0	2.7	11.3	3.2				9.6	0.0	11.5
Prop In Lane	1.00		0.00	1.00		1.00				1.00		0.63
Lane Grp Cap(c), veh/h	119	3885	0	29	3640	1104				165	0	155
V/C Ratio(X)	1.04	0.65	0.00	0.85	0.29	0.10				0.67	0.00	0.79
Avail Cap(c_a), veh/h	119	3885	0	48	3640	1104				412	0	387
HCM Platoon Ratio	2.00	2.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.60	0.60	0.00	0.82	0.82	0.82				1.00	0.00	1.00
Uniform Delay (d), s/veh	68.9	0.0	0.0	78.2	6.8	5.7				70.2	0.0	71.1
Incr Delay (d2), s/veh	73.8	0.5	0.0	25.8	0.2	0.1				1.7	0.0	3.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.8	0.2	0.0	1.2	3.5	0.9				4.4	0.0	5.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	142.7	0.5	0.0	104.0	6.9	5.9				71.9	0.0	74.5
LnGrp LOS	F	A	A	F	A	A				E	A	E
Approach Vol, veh/h	2642			1186						233		
Approach Delay, s/veh	7.1			8.9						73.3		
Approach LOS	A			A						E		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	7.5	132.8		19.7	15.5	124.8						
Change Period (Y+Rc), s	4.4	6.0		4.9	4.4	6.0						
Max Green Setting (Gmax), s	102.6			37.0	11.1	96.6						
Max Q Clear Time (g_c+I1),s	2.0			13.5	13.1	13.3						
Green Ext Time (p_c), s	0.0	78.1		0.6	0.0	17.7						

### Intersection Summary

HCM 6th Ctrl Delay	11.4
HCM 6th LOS	B

### Notes

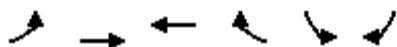
User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.



# HCM 6th Signalized Intersection Summary

## 41: Miramar Rd & Camino Ruiz

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↰↱	↑↑↑	↑↑↑	↰↱	↰↱	↰↱
Traffic Volume (veh/h)	370	2159	1030	769	465	135
Future Volume (veh/h)	370	2159	1030	769	465	135
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1550	1841
Adj Flow Rate, veh/h	407	2373	1048	818	500	145
Peak Hour Factor	0.91	0.91	0.96	0.96	0.93	0.93
Percent Heavy Veh, %	7	7	7	7	4	4
Cap, veh/h	454	3633	2072	1715	545	898
Arrive On Green	0.14	0.74	0.77	0.77	0.19	0.19
Sat Flow, veh/h	3319	5065	3593	2974	2864	2745
Grp Volume(v), veh/h	407	2373	1048	818	500	145
Grp Sat Flow(s), veh/h/ln	1659	1635	1796	1487	1432	1373
Q Serve(g_s), s	19.3	38.9	17.8	16.2	27.4	6.0
Cycle Q Clear(g_c), s	19.3	38.9	17.8	16.2	27.4	6.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	454	3633	2072	1715	545	898
V/C Ratio(X)	0.90	0.65	0.51	0.48	0.92	0.16
Avail Cap(c_a), veh/h	643	3633	2072	1715	752	1096
HCM Platoon Ratio	1.00	1.00	1.33	1.33	1.00	1.00
Upstream Filter(I)	0.69	0.69	0.75	0.75	0.99	0.99
Uniform Delay (d), s/veh	68.0	10.4	10.0	9.8	63.5	38.2
Incr Delay (d2), s/veh	6.8	0.6	0.7	0.7	10.8	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	18.4	12.1	5.4	4.2	10.6	5.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	74.7	11.1	10.6	10.5	74.3	38.3
LnGrp LOS	E	B	B	B	E	D
Approach Vol, veh/h		2780	1866		645	
Approach Delay, s/veh		20.4	10.6		66.2	
Approach LOS		C	B		E	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		124.5		35.5	26.3	98.3
Change Period (Y+Rc), s		6.0		5.0	4.4	* 6
Max Green Setting (Gmax), s		107.0		42.0	31.0	* 72
Max Q Clear Time (g_c+l1), s		40.9		29.4	21.3	19.8
Green Ext Time (p_c), s		46.4		1.1	0.6	27.9
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			22.5			
HCM 6th LOS			C			
<b>Notes</b>						
User approved volume balancing among the lanes for turning movement.						
User approved ignoring U-Turning movement.						
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.						

# HCM 6th Signalized Intersection Summary

## 42: Mitscher Wy/Clayton Dr & Miramar Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	33	2465	149	118	1479	38	284	51	280	79	41	21
Future Volume (veh/h)	33	2465	149	118	1479	38	284	51	280	79	41	21
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	1513	1796	1796	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	35	2651	160	130	1625	42	210	237	208	90	47	24
Peak Hour Factor	0.93	0.93	0.93	0.91	0.91	0.91	0.98	0.98	0.98	0.88	0.88	0.88
Percent Heavy Veh, %	7	7	7	7	7	7	2	2	2	2	2	2
Cap, veh/h	44	2565	796	322	3034	78	269	282	238	97	51	129
Arrive On Green	0.03	0.70	0.70	0.15	0.82	0.82	0.15	0.15	0.15	0.08	0.08	0.08
Sat Flow, veh/h	1711	4904	1522	2795	4913	127	1781	1870	1579	1190	621	1573
Grp Volume(v), veh/h	35	2651	160	130	1081	586	210	237	208	137	0	24
Grp Sat Flow(s),veh/h/ln	1711	1635	1522	1397	1635	1770	1781	1870	1579	1811	0	1573
Q Serve(g_s), s	3.2	83.7	5.9	6.7	16.9	16.9	18.2	19.7	20.6	12.0	0.0	2.3
Cycle Q Clear(g_c), s	3.2	83.7	5.9	6.7	16.9	16.9	18.2	19.7	20.6	12.0	0.0	2.3
Prop In Lane	1.00		1.00	1.00		0.07	1.00		1.00	0.66		1.00
Lane Grp Cap(c), veh/h	44	2565	796	322	2019	1093	269	282	238	148	0	129
V/C Ratio(X)	0.79	1.03	0.20	0.40	0.54	0.54	0.78	0.84	0.87	0.92	0.00	0.19
Avail Cap(c_a), veh/h	151	2565	796	322	2019	1093	345	362	306	148	0	129
HCM Platoon Ratio	1.33	1.33	1.33	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.64	0.64	0.64	0.86	0.86	0.86	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	76.8	24.3	12.5	62.8	7.0	7.0	65.4	66.0	66.4	73.0	0.0	68.5
Incr Delay (d2), s/veh	7.2	23.8	0.4	0.3	0.9	1.6	6.3	10.6	16.6	51.2	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	31.2	2.0	2.3	4.3	4.8	8.8	10.3	9.5	7.7	0.0	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	84.0	48.1	12.9	63.0	7.9	8.6	71.7	76.6	83.0	124.1	0.0	68.9
LnGrp LOS	F	F	B	E	A	A	E	E	F	F	A	E
Approach Vol, veh/h	2846			1797			655			161		
Approach Delay, s/veh	46.6			12.1			77.1			115.9		
Approach LOS	D			B			E			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	24.1	88.9		18.0	8.6	104.4		29.0				
Change Period (Y+Rc), s	5.6	* 5.2		4.9	4.4	5.6		4.9				
Max Green Setting (Gmax), s	10.8	* 84		13.1	14.1	82.0		31.0				
Max Q Clear Time (g_c+I), s	10.7	85.7		14.0	5.2	18.9		22.6				
Green Ext Time (p_c), s	0.1	0.0		0.0	0.0	41.4		1.2				

### Intersection Summary

HCM 6th Ctrl Delay 40.9  
HCM 6th LOS D

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 43: Miramar Rd & Black Mountain Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Traffic Volume (veh/h)	268	2703	0	11	1456	155	0	0	0	470	0	156
Future Volume (veh/h)	268	2703	0	11	1456	155	0	0	0	470	0	156
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	0	1575	1796	1796				1563	0	1856
Adj Flow Rate, veh/h	276	2787	0	11	1501	160				516	0	171
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97				0.91	0.91	0.91
Percent Heavy Veh, %	7	7	0	2	7	7				3	0	3
Cap, veh/h	319	3451	0	15	3027	917				569	0	546
Arrive On Green	0.19	1.00	0.00	0.02	1.00	1.00				0.20	0.00	0.20
Sat Flow, veh/h	3319	5065	0	1500	4904	1485				2887	0	2768
Grp Volume(v), veh/h	276	2787	0	11	1501	160				516	0	171
Grp Sat Flow(s),veh/h/ln	1659	1635	0	1500	1635	1485				1444	0	1384
Q Serve(g_s), s	12.9	0.0	0.0	1.2	0.0	0.0				28.0	0.0	8.5
Cycle Q Clear(g_c), s	12.9	0.0	0.0	1.2	0.0	0.0				28.0	0.0	8.5
Prop In Lane	1.00		0.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	319	3451	0	15	3027	917				569	0	546
V/C Ratio(X)	0.87	0.81	0.00	0.76	0.50	0.17				0.91	0.00	0.31
Avail Cap(c_a), veh/h	965	3451	0	202	3027	917				617	0	592
HCM Platoon Ratio	2.00	2.00	1.00	2.00	2.00	2.00				1.00	1.00	1.00
Upstream Filter(I)	0.14	0.14	0.00	0.78	0.78	0.78				0.66	0.00	0.66
Uniform Delay (d), s/veh	63.6	0.0	0.0	78.3	0.0	0.0				62.8	0.0	55.0
Incr Delay (d2), s/veh	0.4	0.3	0.0	20.5	0.5	0.3				12.2	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.9	0.1	0.0	0.5	0.1	0.1				11.3	0.0	6.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	64.0	0.3	0.0	98.8	0.5	0.3				75.0	0.0	55.3
LnGrp LOS	E	A	A	F	A	A				E	A	E
Approach Vol, veh/h		3063			1672						687	
Approach Delay, s/veh		6.0			1.1						70.1	
Approach LOS		A			A						E	
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc), s	5.5	118.4		36.0	19.4	104.6						
Change Period (Y+Rc), s	4.0	* 5.8		4.5	4.0	5.8						
Max Green Setting (Gmax), s	20.5	* 91		34.2	46.5	65.0						
Max Q Clear Time (g_c+I), s	11.2	2.0		30.0	14.9	2.0						
Green Ext Time (p_c), s	0.0	84.2		1.6	0.5	31.0						

### Intersection Summary

HCM 6th Ctrl Delay 12.6  
HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 44: Kearny Villa Rd & Miramar Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↔	↑↑↑	↗	↔	↑↑↑	↗	↔	↑↑	↗	↔	↑↑	↗
Traffic Volume (veh/h)	49	2253	869	38	1081	160	431	395	31	307	423	45
Future Volume (veh/h)	49	2253	869	38	1081	160	431	395	31	307	423	45
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1724	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	51	2347	905	42	1188	176	474	458	35	345	475	51
Peak Hour Factor	0.96	0.96	0.96	0.91	0.91	0.91	0.89	0.89	0.89	0.89	0.89	0.89
Percent Heavy Veh, %	7	7	7	7	7	7	2	2	2	2	2	2
Cap, veh/h	65	2596	1039	53	2563	761	553	581	241	518	485	52
Arrive On Green	0.05	0.70	0.70	0.06	1.00	1.00	0.16	0.16	0.16	0.15	0.15	0.15
Sat Flow, veh/h	1711	4904	1517	1711	4904	1456	3563	3741	1556	3456	3231	345
Grp Volume(v), veh/h	51	2347	905	42	1188	176	474	458	35	345	260	266
Grp Sat Flow(s),veh/h/ln	1711	1635	1517	1711	1635	1456	1781	1870	1556	1728	1777	1799
Q Serve(g_s), s	4.7	62.4	84.7	3.9	0.0	0.0	20.7	18.9	3.1	15.1	23.3	23.6
Cycle Q Clear(g_c), s	4.7	62.4	84.7	3.9	0.0	0.0	20.7	18.9	3.1	15.1	23.3	23.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.19
Lane Grp Cap(c), veh/h	65	2596	1039	53	2563	761	553	581	241	518	267	270
V/C Ratio(X)	0.79	0.90	0.87	0.79	0.46	0.23	0.86	0.79	0.14	0.67	0.98	0.98
Avail Cap(c_a), veh/h	168	2596	1039	104	2563	761	650	683	284	518	267	270
HCM Platoon Ratio	1.33	1.33	1.33	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.46	0.46	0.46	0.94	0.94	0.94	1.00	1.00	1.00	0.93	0.93	0.93
Uniform Delay (d), s/veh	75.4	20.4	13.4	74.5	0.0	0.0	65.9	65.1	58.4	64.2	67.7	67.8
Incr Delay (d2), s/veh	3.7	2.8	4.9	8.8	0.6	0.7	8.9	4.6	0.1	2.6	46.5	48.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.1	19.5	37.6	1.8	0.1	0.1	10.0	9.2	1.2	6.8	13.9	14.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.1	23.2	18.4	83.3	0.6	0.7	74.8	69.7	58.6	66.8	114.2	116.2
LnGrp LOS	E	C	B	F	A	A	E	E	E	E	F	F
Approach Vol, veh/h	3303			1406			967			871		
Approach Delay, s/veh	22.7			3.1			71.8			96.0		
Approach LOS	C			A			E			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	90.5			29.3	10.4	89.4		30.8				
Change Period (Y+Rc), s	4.4	* 5.8		5.3	4.4	5.8		6.0				
Max Green Setting (Gmax), s	76			24.0	15.7	69.6		29.2				
Max Q Clear Time (g_c+Ib), s	86.7			25.6	6.7	2.0		22.7				
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	13.4		1.9				

### Intersection Summary

HCM 6th Ctrl Delay 35.5

HCM 6th LOS D

### Notes

User approved volume balancing among the lanes for turning movement.









User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 45: Miramar Rd/Pomerado Rd & I-15 SB Ramps

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1	1297	1424	0	755	725	0	0	0	16	0	601
Future Volume (veh/h)	1	1297	1424	0	755	725	0	0	0	16	0	601
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach	No			No						No		
Adj Sat Flow, veh/h/ln	1796	1796	1796	0	1796	1796				1870	0	1870
Adj Flow Rate, veh/h	1	1310	0	0	763	0				17	0	633
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99				0.95	0.95	0.95
Percent Heavy Veh, %	7	7	7	0	7	7				2	0	2
Cap, veh/h	53	2750		0	2543					432	0	436
Arrive On Green	0.05	1.00	0.00	0.00	0.75	0.00				0.13	0.00	0.13
Sat Flow, veh/h	1711	3413	1522	0	3503	2679				3456	0	2790
Grp Volume(v), veh/h	1	1310	0	0	763	0				17	0	633
Grp Sat Flow(s),veh/h/ln	1711	1706	1522	0	1706	1340				1728	0	1395
Q Serve(g_s), s	0.1	0.0	0.0	0.0	11.7	0.0				0.7	0.0	20.0
Cycle Q Clear(g_c), s	0.1	0.0	0.0	0.0	11.7	0.0				0.7	0.0	20.0
Prop In Lane	1.00		1.00	0.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	53	2750		0	2543					432	0	436
V/C Ratio(X)	0.02	0.48		0.00	0.30					0.04	0.00	1.45
Avail Cap(c_a), veh/h	428	2750		0	2543					432	0	436
HCM Platoon Ratio	1.67	1.67	1.67	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.59	0.59	0.00	0.00	0.90	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	73.5	0.0	0.0	0.0	6.7	0.0				61.6	0.0	67.5
Incr Delay (d2), s/veh	0.0	0.4	0.0	0.0	0.3	0.0				0.0	0.0	216.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.1	0.0	0.0	3.9	0.0				0.3	0.0	30.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	73.5	0.4	0.0	0.0	7.0	0.0				61.6	0.0	283.5
LnGrp LOS	E	A		A	A					E	A	F
Approach Vol, veh/h	1311		A	763		A				650		
Approach Delay, s/veh	0.4			7.0						277.7		
Approach LOS	A			A						F		
Timer - Assigned Phs	2			4	5	6						
Phs Duration (G+Y+Rc), s	134.9			25.1	9.7	125.2						
Change Period (Y+Rc), s	6.0			5.1	* 4.7	6.0						
Max Green Setting (Gmax), s	128.9			20.0	* 40	84.2						
Max Q Clear Time (g_c+l1), s	2.0			22.0	2.1	13.7						
Green Ext Time (p_c), s	7.7			0.0	0.0	3.4						

## Intersection Summary

HCM 6th Ctrl Delay	68.4
HCM 6th LOS	E

## Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary 46: I-15 NB Ramps & Pomerado Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑	↗	↖	↑↑↑	↗	↖		↗			
Traffic Volume (veh/h)	0	418	894	1	941	116	536	0	661	0	0	0
Future Volume (veh/h)	0	418	894	1	941	116	536	0	661	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1796	1796	1796	1796	1796	1870	0	1870			
Adj Flow Rate, veh/h	0	431	0	1	1012	0	564	0	696			
Peak Hour Factor	0.97	0.97	0.97	0.93	0.93	0.93	0.95	0.95	0.95			
Percent Heavy Veh, %	0	7	7	7	7	7	2	0	2			
Cap, veh/h	0	992		155	3043		931	0	1005			
Arrive On Green	0.00	0.29	0.00	0.09	0.49	0.00	0.27	0.00	0.27			
Sat Flow, veh/h	0	3503	1522	1711	6179	1522	3456	0	2790			
Grp Volume(v), veh/h	0	431	0	1	1012	0	564	0	696			
Grp Sat Flow(s),veh/h/ln	0	1706	1522	1711	1545	1522	1728	0	1395			
Q Serve(g_s), s	0.0	5.6	0.0	0.0	5.5	0.0	7.8	0.0	11.7			
Cycle Q Clear(g_c), s	0.0	5.6	0.0	0.0	5.5	0.0	7.8	0.0	11.7			
Prop In Lane	0.00		1.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	992		155	3043		931	0	1005			
V/C Ratio(X)	0.00	0.43		0.01	0.33		0.61	0.00	0.69			
Avail Cap(c_a), veh/h	0	2791		1088	9668		3768	0	3295			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(l)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	15.8	0.0	22.8	8.5	0.0	17.5	0.0	15.0			
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.3			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	1.8	0.0	0.0	1.3	0.0	2.8	0.0	3.2			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	16.0	0.0	22.8	8.5	0.0	17.8	0.0	15.3			
LnGrp LOS	A	B		C	A		B	A	B			
Approach Vol, veh/h		431	A		1013	A		1260				
Approach Delay, s/veh		16.0			8.5			16.4				
Approach LOS		B			A			B				
Timer - Assigned Phs	1	2			6			8				
Phs Duration (G+Y+Rc), s	1.1	23.0			34.1			20.9				
Change Period (Y+Rc), s	6.1	7.0			7.0			6.1				
Max Green Setting (Gmax), s	30.0	45.0			86.1			60.0				
Max Q Clear Time (g_c+I), s	12.0	7.6			7.5			13.7				
Green Ext Time (p_c), s	0.0	1.7			4.9			1.1				

## Intersection Summary

HCM 6th Ctrl Delay 13.4  
HCM 6th LOS B

## Notes

Unsignalized Delay for [EBR, WBR] is excluded from calculations of the approach delay and intersection delay.

# HCM 6th Signalized Intersection Summary

## 47: Camino Santa Fe & Carroll Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	294	315	383	86	91	115	108	720	73	71	566	75
Future Volume (veh/h)	294	315	383	86	91	115	108	720	73	71	566	75
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	346	371	451	106	112	142	126	837	85	80	636	84
Peak Hour Factor	0.85	0.85	0.85	0.81	0.81	0.81	0.86	0.86	0.86	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	529	555	603	219	230	191	157	1133	689	103	1027	918
Arrive On Green	0.30	0.30	0.30	0.12	0.12	0.12	0.09	0.32	0.32	0.06	0.29	0.29
Sat Flow, veh/h	1781	1870	1561	1781	1870	1551	1781	3554	1549	1781	3554	1547
Grp Volume(v), veh/h	346	371	451	106	112	142	126	837	85	80	636	84
Grp Sat Flow(s),veh/h/ln	1781	1870	1561	1781	1870	1551	1781	1777	1549	1781	1777	1547
Q Serve(g_s), s	17.4	17.9	25.7	5.7	5.7	9.1	7.1	21.6	3.3	4.6	15.9	2.4
Cycle Q Clear(g_c), s	17.4	17.9	25.7	5.7	5.7	9.1	7.1	21.6	3.3	4.6	15.9	2.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	529	555	603	219	230	191	157	1133	689	103	1027	918
V/C Ratio(X)	0.65	0.67	0.75	0.48	0.49	0.74	0.80	0.74	0.12	0.77	0.62	0.09
Avail Cap(c_a), veh/h	693	727	746	710	745	618	1039	3109	1550	520	2073	1373
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	31.6	31.7	27.4	42.1	42.1	43.5	46.0	31.2	16.9	47.8	31.7	9.3
Incr Delay (d2), s/veh	0.7	0.9	2.6	1.6	1.5	5.4	3.6	1.2	0.1	4.6	0.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.4	8.0	9.6	2.6	2.7	3.7	3.2	9.0	1.5	2.1	6.7	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	32.3	32.6	30.0	43.6	43.6	49.0	49.7	32.4	17.0	52.4	32.5	9.4
LnGrp LOS	C	C	C	D	D	D	D	C	B	D	C	A
Approach Vol, veh/h	1168			360			1048			800		
Approach Delay, s/veh	31.5			45.7			33.2			32.1		
Approach LOS	C			D			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	30.4	38.5		36.4	13.4	35.4		17.6				
Change Period (Y+Rc), s	4.4	5.7		5.9	4.4	5.7		4.9				
Max Green Setting (Gmax), s	30.0	90.0		40.0	60.0	60.0		41.0				
Max Q Clear Time (g_c+I), s	10.6	23.6		27.7	9.1	17.9		11.1				
Green Ext Time (p_c), s	0.1	9.2		2.8	0.2	7.1		1.3				

### Intersection Summary

HCM 6th Ctrl Delay	33.7
HCM 6th LOS	C

### Notes

User approved ignoring U-Turning movement.



# HCM 6th Signalized Intersection Summary

## 48: Camino Santa Fe & Flanders Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↖↗	↖		↖↗	↖	↖↗	↖↗↗	↖	↖↗	↖↗↗	↖
Traffic Volume (veh/h)	76	415	192	43	36	55	70	748	512	210	244	30
Future Volume (veh/h)	76	415	192	43	36	55	70	748	512	210	244	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1796	1870	1870	1796	1870	1870	1870	1575	1870	1870
Adj Flow Rate, veh/h	90	494	229	50	42	64	79	840	575	244	284	35
Peak Hour Factor	0.84	0.84	0.84	0.86	0.86	0.86	0.89	0.89	0.89	0.86	0.86	0.86
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	118	680	329	129	129	108	99	2007	614	262	2614	810
Arrive On Green	0.22	0.22	0.22	0.07	0.07	0.07	0.06	0.39	0.39	0.17	0.51	0.51
Sat Flow, veh/h	533	3087	1493	1781	1777	1486	1781	5106	1562	1500	5106	1582
Grp Volume(v), veh/h	311	273	229	50	42	64	79	840	575	244	284	35
Grp Sat Flow(s),veh/h/ln	1844	1777	1493	1781	1777	1486	1781	1702	1562	1500	1702	1582
Q Serve(g_s), s	23.4	20.9	20.9	4.0	3.3	6.2	6.5	17.7	52.3	23.7	4.2	1.6
Cycle Q Clear(g_c), s	23.4	20.9	20.9	4.0	3.3	6.2	6.5	17.7	52.3	23.7	4.2	1.6
Prop In Lane	0.29		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	406	392	329	129	129	108	99	2007	614	262	2614	810
V/C Ratio(X)	0.77	0.70	0.70	0.39	0.33	0.59	0.80	0.42	0.94	0.93	0.11	0.04
Avail Cap(c_a), veh/h	499	481	404	482	481	402	361	2072	634	304	2614	810
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	54.1	53.1	53.1	65.4	65.1	66.4	69.0	32.6	43.1	60.1	18.6	18.0
Incr Delay (d2), s/veh	9.3	6.6	7.7	5.2	4.0	13.6	8.5	0.2	21.4	29.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.8	10.0	8.5	2.0	1.6	2.7	3.1	7.1	22.9	10.9	1.6	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	63.3	59.6	60.8	70.6	69.1	80.0	77.5	32.8	64.5	90.0	18.7	18.0
LnGrp LOS	E	E	E	E	E	F	E	C	E	F	B	B
Approach Vol, veh/h	813			156			1494			563		
Approach Delay, s/veh	61.4			74.0			47.4			49.6		
Approach LOS	E			E			D			D		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	30.2	64.5		37.5	12.6	82.1		15.6				
Change Period (Y+Rc), s	4.4	* 6.4		4.9	4.4	6.4		4.9				
Max Green Setting (Gmax), s	30.0	* 60		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+2b),s	25.7	54.3		25.4	8.5	6.2		8.2				
Green Ext Time (p_c), s	0.1	3.8		7.2	0.1	2.1		1.6				

### Intersection Summary

HCM 6th Ctrl Delay 52.9

HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 49: Camino Ruiz & Carroll Canyon Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	LT	RT	LT	TT	TT	LT
Traffic Volume (veh/h)	23	52	23	1419	761	4
Future Volume (veh/h)	23	52	23	1419	761	4
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1885	1885	1841	1841	1841	1767
Adj Flow Rate, veh/h	39	88	26	1594	885	5
Peak Hour Factor	0.59	0.59	0.89	0.89	0.86	0.86
Percent Heavy Veh, %	1	1	4	4	4	4
Cap, veh/h	258	118	36	2816	2587	1082
Arrive On Green	0.07	0.07	0.02	0.81	0.74	0.74
Sat Flow, veh/h	3483	1598	1753	3589	3589	1463
Grp Volume(v), veh/h	39	88	26	1594	885	5
Grp Sat Flow(s), veh/h/ln	1742	1598	1753	1749	1749	1463
Q Serve(g_s), s	1.0	5.3	1.5	16.1	8.7	0.1
Cycle Q Clear(g_c), s	1.0	5.3	1.5	16.1	8.7	0.1
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	258	118	36	2816	2587	1082
V/C Ratio(X)	0.15	0.74	0.72	0.57	0.34	0.00
Avail Cap(c_a), veh/h	1416	649	534	3394	2587	1082
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.7	44.6	47.9	3.4	4.5	3.3
Incr Delay (d2), s/veh	0.1	3.4	9.4	0.8	0.2	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.4	0.1	0.7	3.2	2.0	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	42.8	48.1	57.3	4.3	4.7	3.4
LnGrp LOS	D	D	E	A	A	A
Approach Vol, veh/h	127			1620	890	
Approach Delay, s/veh	46.5			5.1	4.7	
Approach LOS	D			A	A	
Timer - Assigned Phs	2			4	5	6
Phs Duration (G+Y+Rc), s	86.2			12.2	6.4	79.8
Change Period (Y+Rc), s	* 7			4.9	4.4	7.0
Max Green Setting (Gmax), s	* 96			40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s	18.1			7.3	3.5	10.7
Green Ext Time (p_c), s	61.2			0.2	0.0	16.3
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			7.0			
HCM 6th LOS			A			

## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 50: Camino Ruiz & Activity Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕	↕	↕		↕	↕	
Traffic Volume (veh/h)	1	8	5	53	0	239	10	919	165	900	532	8
Future Volume (veh/h)	1	8	5	53	0	239	10	919	165	900	532	8
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	0.99		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1841	1841	1841	1841	1841	1841
Adj Flow Rate, veh/h	1	11	7	63	0	285	11	1056	190	928	548	8
Peak Hour Factor	0.70	0.70	0.70	0.84	0.84	0.84	0.87	0.87	0.87	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	4	4	4	4	4	4
Cap, veh/h	32	85	51	172	0	755	18	1196	215	696	2807	41
Arrive On Green	0.08	0.08	0.08	0.08	0.00	0.08	0.01	0.40	0.40	0.40	0.80	0.80
Sat Flow, veh/h	27	1067	638	1434	0	1573	1753	2961	531	1753	3529	51
Grp Volume(v), veh/h	19	0	0	63	0	285	11	623	623	928	271	285
Grp Sat Flow(s),veh/h/ln	1731	0	0	1434	0	1573	1753	1749	1744	1753	1749	1831
Q Serve(g_s), s	0.0	0.0	0.0	3.8	0.0	0.0	0.8	41.2	41.5	49.6	4.7	4.7
Cycle Q Clear(g_c), s	1.3	0.0	0.0	5.1	0.0	0.0	0.8	41.2	41.5	49.6	4.7	4.7
Prop In Lane	0.05		0.37	1.00		1.00	1.00		0.30	1.00		0.03
Lane Grp Cap(c), veh/h	169	0	0	172	0	755	18	706	704	696	1391	1457
V/C Ratio(X)	0.11	0.00	0.00	0.37	0.00	0.38	0.62	0.88	0.88	1.33	0.20	0.20
Avail Cap(c_a), veh/h	426	0	0	383	0	994	100	706	704	696	1391	1457
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	0.72	0.72	0.72	0.92	0.92	0.92
Uniform Delay (d), s/veh	53.5	0.0	0.0	55.1	0.0	20.9	61.6	34.5	34.6	37.7	3.1	3.1
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.5	0.0	0.1	9.0	9.6	9.9	159.3	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.6	0.0	0.0	1.9	0.0	5.2	0.4	18.7	18.8	50.6	1.2	1.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	53.6	0.0	0.0	55.6	0.0	21.0	70.6	44.1	44.5	197.0	3.4	3.4
LnGrp LOS	D	A	A	E	A	C	E	D	D	F	A	A
Approach Vol, veh/h	19			348			1257			1484		
Approach Delay, s/veh	53.6			27.2			44.5			124.5		
Approach LOS	D			C			D			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	54.6	55.5		14.9	5.7	104.4		14.9				
Change Period (Y+Rc), s	5.0	* 5		4.9	4.4	5.0		4.9				
Max Green Setting (Gmax), s	49.6	* 32		29.0	7.1	74.6		29.0				
Max Q Clear Time (g_c+1), s	51.6	43.5		3.3	2.8	6.7		7.1				
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	5.3		0.7				

### Intersection Summary

HCM 6th Ctrl Delay 80.8

HCM 6th LOS F

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 51: Carroll Canyon Rd/I-805 SB Ramps & Sorrento Valley Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑	↑	↑	↑↑	↑↑	↑↑		↑↑	↑↑	↑↑	↑
Traffic Volume (veh/h)	0	457	96	40	290	1267	104	0	694	643	101	35
Future Volume (veh/h)	0	457	96	40	290	1267	104	0	694	643	101	35
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	0	1870	1870	1870	1870	1870	1885	0	1885	1870	1870	1796
Adj Flow Rate, veh/h	0	508	107	43	315	1377	109	0	731	835	131	45
Peak Hour Factor	0.90	0.90	0.90	0.92	0.92	0.92	0.95	0.95	0.95	0.77	0.77	0.77
Percent Heavy Veh, %	0	2	2	2	2	2	1	0	1	2	2	2
Cap, veh/h	0	1265	727	178	1609	2004	734	0	0	918	223	95
Arrive On Green	0.00	0.25	0.25	0.10	0.45	0.45	0.21	0.00	0.00	0.27	0.06	0.06
Sat Flow, veh/h	0	5274	1585	1781	3554	2790	3483	109		3456	3554	1522
Grp Volume(v), veh/h	0	508	107	43	315	1377	109	26.0		835	131	45
Grp Sat Flow(s),veh/h/ln	0	1702	1585	1781	1777	1395	1742	C		1728	1777	1522
Q Serve(g_s), s	0.0	6.7	0.9	1.8	4.3	22.2	2.1			18.9	2.9	2.3
Cycle Q Clear(g_c), s	0.0	6.7	0.9	1.8	4.3	22.2	2.1			18.9	2.9	2.3
Prop In Lane	0.00		1.00	1.00		1.00	1.00			1.00		1.00
Lane Grp Cap(c), veh/h	0	1265	727	178	1609	2004	734			918	223	95
V/C Ratio(X)	0.00	0.40	0.15	0.24	0.20	0.69	0.15			0.91	0.59	0.47
Avail Cap(c_a), veh/h	0	1265	727	773	2691	2853	734			3045	2114	905
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	25.4	2.9	33.5	13.3	6.3	26.0			28.7	36.8	36.5
Incr Delay (d2), s/veh	0.0	0.1	0.0	0.3	0.0	0.2	0.0			1.5	0.9	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	2.5	0.4	0.7	1.5	3.8	0.8			7.3	1.2	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	25.4	2.9	33.8	13.3	6.5	26.0			30.2	37.7	37.9
LnGrp LOS	A	C	A	C	B	A	C			C	D	D
Approach Vol, veh/h		615			1735						1011	
Approach Delay, s/veh		21.5			8.4						31.5	
Approach LOS		C			A						C	
Timer - Assigned Phs	1	2	3	4		6	7					
Phs Duration (G+Y+Rc), s	16.5	28.5	23.1	12.6		45.0	28.9					
Change Period (Y+Rc), s	8.5	* 8.5	6.1	7.5		8.5	7.5					
Max Green Setting (Gmax), s	30.0	* 20	17.0	48.0		61.1	71.1					
Max Q Clear Time (g_c+I), s	17.8	8.7	4.1	4.9		24.2	20.9					
Green Ext Time (p_c), s	0.0	1.0	0.0	0.3		2.1	0.5					

### Intersection Summary

HCM 6th Ctrl Delay	18.0
HCM 6th LOS	B

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 52: I-805 NB Off-ramp & Mira Mesa Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰↱	↑↑↑		↰	↑↑↑	↱		↑	↰↱	↰		↰↱
Traffic Volume (veh/h)	78	653	0	1	1115	748	0	42	840	56	0	484
Future Volume (veh/h)	78	653	0	1	1115	748	0	42	840	56	0	484
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	0	1870	1870	1870	0	1870	1870	1870	0	1870
Adj Flow Rate, veh/h	86	718	0	1	1199	804	0	47	933	76	0	654
Peak Hour Factor	0.91	0.91	0.91	0.93	0.93	0.93	0.90	0.90	0.90	0.74	0.74	0.74
Percent Heavy Veh, %	2	2	0	2	2	2	0	2	2	2	0	2
Cap, veh/h	343	2785	0	53	3061	910	0	334	753	185	0	0
Arrive On Green	0.10	0.55	0.00	0.03	0.48	0.48	0.00	0.18	0.18	0.10	0.00	0.00
Sat Flow, veh/h	3456	5274	0	1781	6434	1565	0	1870	3614	1781	76	
Grp Volume(v), veh/h	86	718	0	1	1199	804	0	47	933	76	71.0	
Grp Sat Flow(s), veh/h/ln	728	1702	0	1781	1609	1565	0	1870	1205	1781	E	
Q Serve(g_s), s	3.9	12.5	0.0	0.1	20.2	74.6	0.0	3.6	30.0	6.7		
Cycle Q Clear(g_c), s	3.9	12.5	0.0	0.1	20.2	74.6	0.0	3.6	30.0	6.7		
Prop In Lane	1.00		0.00	1.00		1.00	0.00		1.00	1.00		
Lane Grp Cap(c), veh/h	343	2785	0	53	3061	910	0	334	753	185		
V/C Ratio(X)	0.25	0.26	0.00	0.02	0.39	0.88	0.00	0.14	1.24	0.41		
Avail Cap(c_a), veh/h	823	3495	0	159	3446	1003	0	334	753	212		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	69.9	20.2	0.0	79.1	28.4	30.5	0.0	58.2	66.5	70.4		
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.1	0.0	8.2	0.0	0.1	118.9	0.5		
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%), veh/ln	1.7	4.9	0.0	0.0	7.8	36.9	0.0	1.7	8.3	3.0		
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	70.0	20.2	0.0	79.2	28.4	38.7	0.0	58.2	185.5	71.0		
LnGrp LOS	E	C	A	E	C	D	A	E	F	E		
Approach Vol, veh/h	804			2004			980					
Approach Delay, s/veh	25.5			32.6			179.3					
Approach LOS	C			C			F					
Timer - Assigned Phs	1	2			5	6	7	8				
Phs Duration (G+Y+Rc), s	9.7	98.6			21.4	87.0	23.6	36.1				
Change Period (Y+Rc), s	4.7	7.0			* 4.7	7.0	6.1	6.1				
Max Green Setting (Gmax), s	15	115.0			* 40	90.0	20.0	30.0				
Max Q Clear Time (g_c+I), s	14.5				5.9	76.6	8.7	32.0				
Green Ext Time (p_c), s	0.0	1.7			0.0	3.4	0.0	0.0				

### Intersection Summary

HCM 6th Ctrl Delay	69.1
HCM 6th LOS	E

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 53: Vista Sorrento Pkwy & Lusk Blvd

Existing  
Timing Plan: PM Peak



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	294	1113	563	77	106	73
Future Volume (veh/h)	294	1113	563	77	106	73
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.95	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	323	1223	626	86	118	81
Peak Hour Factor	0.91	0.91	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	779	1413	781	107	239	729
Arrive On Green	0.44	0.44	0.25	0.25	0.07	0.39
Sat Flow, veh/h	1781	2790	3212	427	3456	1870
Grp Volume(v), veh/h	323	1223	356	356	118	81
Grp Sat Flow(s), veh/h/ln	1781	1395	1777	1769	1728	1870
Q Serve(g_s), s	7.9	24.3	11.8	11.9	2.1	1.7
Cycle Q Clear(g_c), s	7.9	24.3	11.8	11.9	2.1	1.7
Prop In Lane	1.00	1.00		0.24	1.00	
Lane Grp Cap(c), veh/h	779	1413	445	443	239	729
V/C Ratio(X)	0.41	0.87	0.80	0.80	0.49	0.11
Avail Cap(c_a), veh/h	1697	2850	1692	1685	1591	2773
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	12.2	13.6	22.1	22.2	28.2	12.3
Incr Delay (d2), s/veh	0.1	0.6	1.3	1.3	0.6	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	2.5	5.6	4.3	4.3	0.8	0.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	12.3	14.3	23.4	23.5	28.8	12.3
LnGrp LOS	B	B	C	C	C	B
Approach Vol, veh/h	1546		712			199
Approach Delay, s/veh	13.9		23.4			22.1
Approach LOS	B		C			C
Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	8.8	21.8			30.5	32.5
Change Period (Y+Rc), s	4.4	6.0			6.0	4.9
Max Green Setting (Gmax), s	29.0	60.0			93.4	60.0
Max Q Clear Time (g_c+I_1), s	14.1	13.9			3.7	26.3
Green Ext Time (p_c), s	0.1	1.1			0.1	1.3
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			17.3			
HCM 6th LOS			B			

# HCM 6th Signalized Intersection Summary 54: Lusk Blvd & Pacific Center Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰↱	↑↓		↰↱	↑↓			↰↱			↑↓	↰↱
Traffic Volume (veh/h)	33	262	3	3	184	37	19	4	24	161	0	478
Future Volume (veh/h)	33	262	3	3	184	37	19	4	24	161	0	478
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	49	391	4	3	207	42	36	8	45	173	0	514
Peak Hour Factor	0.67	0.67	0.67	0.89	0.89	0.89	0.53	0.53	0.53	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	176	1060	11	7	728	144	254	86	232	671	0	643
Arrive On Green	0.05	0.29	0.29	0.00	0.25	0.25	0.36	0.36	0.36	0.36	0.00	0.36
Sat Flow, veh/h	3456	3602	37	1781	2943	584	395	243	652	1433	0	1581
Grp Volume(v), veh/h	49	193	202	3	123	126	89	0	0	173	0	514
Grp Sat Flow(s),veh/h/ln	1728	1777	1862	1781	1777	1750	1289	0	0	1433	0	1581
Q Serve(g_s), s	0.6	3.8	3.8	0.1	2.5	2.6	0.0	0.0	0.0	0.0	0.0	12.7
Cycle Q Clear(g_c), s	0.6	3.8	3.8	0.1	2.5	2.6	3.1	0.0	0.0	3.1	0.0	12.7
Prop In Lane	1.00		0.02	1.00		0.33	0.40		0.51	1.00		1.00
Lane Grp Cap(c), veh/h	176	523	548	7	439	433	572	0	0	671	0	643
V/C Ratio(X)	0.28	0.37	0.37	0.41	0.28	0.29	0.16	0.00	0.00	0.26	0.00	0.80
Avail Cap(c_a), veh/h	2332	2398	2513	1202	2398	2362	1232	0	0	1405	0	1503
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	20.3	12.4	12.4	22.1	13.5	13.6	9.7	0.0	0.0	10.2	0.0	11.6
Incr Delay (d2), s/veh	0.3	0.2	0.2	13.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	1.1	1.1	0.1	0.8	0.8	0.4	0.0	0.0	0.9	0.0	3.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	20.6	12.6	12.6	35.3	13.7	13.7	9.8	0.0	0.0	10.3	0.0	12.5
LnGrp LOS	C	B	B	D	B	B	A	A	A	B	A	B
Approach Vol, veh/h	444			252			89			687		
Approach Delay, s/veh	13.5			13.9			9.8			11.9		
Approach LOS	B			B			A			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	4.6	18.8		21.1	6.7	16.7		21.1				
Change Period (Y+Rc), s	4.4	5.7		5.3	4.4	5.7		* 5.3				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		* 40				
Max Q Clear Time (g_c+I), s	12.1	5.8		14.7	2.6	4.6		5.1				
Green Ext Time (p_c), s	0.0	0.6		0.6	0.0	0.4		0.2				

## Intersection Summary

HCM 6th Ctrl Delay 12.6

HCM 6th LOS B

## Notes

User approved ignoring U-Turning movement.

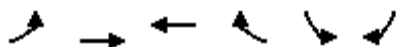
\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 55: Carroll Canyon Rd & Scranton Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↰↱	↱↱	↰↱	↰↱	↰↱	↰↱
Traffic Volume (veh/h)	25	177	815	194	178	310
Future Volume (veh/h)	25	177	815	194	178	310
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1870	1870
Adj Flow Rate, veh/h	28	197	876	209	169	340
Peak Hour Factor	0.90	0.90	0.93	0.93	0.96	0.96
Percent Heavy Veh, %	1	1	1	1	2	2
Cap, veh/h	89	2265	1871	815	320	569
Arrive On Green	0.03	0.63	0.52	0.52	0.18	0.18
Sat Flow, veh/h	3483	3676	3676	1560	1781	3170
Grp Volume(v), veh/h	28	197	876	209	169	340
Grp Sat Flow(s),veh/h/ln	742	1791	1791	1560	1781	1585
Q Serve(g_s), s	0.4	1.1	8.1	3.9	4.5	5.1
Cycle Q Clear(g_c), s	0.4	1.1	8.1	3.9	4.5	5.1
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	89	2265	1871	815	320	569
V/C Ratio(X)	0.31	0.09	0.47	0.26	0.53	0.60
Avail Cap(c_a), veh/h	2006	6490	4125	1797	1368	2434
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.9	3.7	7.9	6.9	19.4	19.6
Incr Delay (d2), s/veh	0.7	0.0	0.4	0.4	1.5	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.2	2.0	0.9	1.8	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	25.7	3.8	8.3	7.2	20.9	20.8
LnGrp LOS	C	A	A	A	C	C
Approach Vol, veh/h		225	1085		509	
Approach Delay, s/veh		6.5	8.1		20.8	
Approach LOS		A	A		C	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		37.8		14.3	5.7	32.1
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9
Max Green Setting (Gmax), s		94.4		40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s		3.1		7.1	2.4	10.1
Green Ext Time (p_c), s		2.5		2.2	0.0	17.2

### Intersection Summary

HCM 6th Ctrl Delay	11.4
HCM 6th LOS	B

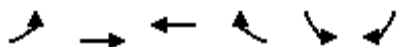
### Notes

User approved volume balancing among the lanes for turning movement.

# HCM 6th Signalized Intersection Summary

## 56: Carroll Canyon Rd & Pacific Heights Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	85	287	217	78	232	376
Future Volume (veh/h)	85	287	217	78	232	376
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.97	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1870	1870
Adj Flow Rate, veh/h	91	309	275	99	383	390
Peak Hour Factor	0.93	0.93	0.79	0.79	0.78	0.78
Percent Heavy Veh, %	1	1	1	1	2	2
Cap, veh/h	173	784	815	353	540	634
Arrive On Green	0.10	0.42	0.23	0.23	0.30	0.30
Sat Flow, veh/h	1795	1885	3676	1550	1781	1585
Grp Volume(v), veh/h	91	309	275	99	383	390
Grp Sat Flow(s),veh/h/ln	1795	1885	1791	1550	1781	1585
Q Serve(g_s), s	2.1	5.0	2.8	2.3	8.3	8.5
Cycle Q Clear(g_c), s	2.1	5.0	2.8	2.3	8.3	8.5
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	173	784	815	353	540	634
V/C Ratio(X)	0.53	0.39	0.34	0.28	0.71	0.62
Avail Cap(c_a), veh/h	1239	4077	4945	2140	2049	1976
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.7	8.9	14.0	13.9	13.4	10.4
Incr Delay (d2), s/veh	0.9	0.7	0.5	0.9	1.7	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	1.4	0.9	0.7	2.7	7.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	19.6	9.6	14.6	14.8	15.2	11.4
LnGrp LOS	B	A	B	B	B	B
Approach Vol, veh/h		400	374		773	
Approach Delay, s/veh		11.8	14.6		13.3	
Approach LOS		B	B		B	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		23.8		19.7	8.2	15.6
Change Period (Y+Rc), s		5.7		6.5	4.0	5.7
Max Green Setting (Gmax), s		94.0		50.0	30.0	60.0
Max Q Clear Time (g_c+l1), s		7.0		10.5	4.1	4.8
Green Ext Time (p_c), s		3.9		2.7	0.1	4.4

### Intersection Summary

HCM 6th Ctrl Delay	13.2
HCM 6th LOS	B

### Notes










User approved volume balancing among the lanes for turning movement.

# HCM 6th Signalized Intersection Summary

## 57: Lusk Blvd & Barnes Canyon Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	53	131	51	35	172	53	15	131	57	64	313	110
Future Volume (veh/h)	53	131	51	35	172	53	15	131	57	64	313	110
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.96	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	62	152	59	37	183	56	16	142	62	89	435	153
Peak Hour Factor	0.86	0.86	0.86	0.94	0.94	0.94	0.92	0.92	0.92	0.72	0.72	0.72
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	108	408	152	74	382	113	36	911	403	135	805	280
Arrive On Green	0.06	0.16	0.16	0.04	0.14	0.14	0.02	0.26	0.26	0.08	0.31	0.31
Sat Flow, veh/h	1781	2523	937	1781	2680	791	1781	3554	1570	1781	2579	898
Grp Volume(v), veh/h	62	105	106	37	119	120	16	142	62	89	298	290
Grp Sat Flow(s),veh/h/ln	1781	1777	1683	1781	1777	1694	1781	1777	1570	1781	1777	1700
Q Serve(g_s), s	1.5	2.3	2.4	0.9	2.7	2.8	0.4	1.3	1.3	2.1	6.0	6.1
Cycle Q Clear(g_c), s	1.5	2.3	2.4	0.9	2.7	2.8	0.4	1.3	1.3	2.1	6.0	6.1
Prop In Lane	1.00		0.56	1.00		0.47	1.00		1.00	1.00		0.53
Lane Grp Cap(c), veh/h	108	288	272	74	253	242	36	911	403	135	555	531
V/C Ratio(X)	0.57	0.37	0.39	0.50	0.47	0.50	0.44	0.16	0.15	0.66	0.54	0.55
Avail Cap(c_a), veh/h	1239	1642	1555	1235	1642	1565	1235	4926	2177	1235	2463	2357
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.8	16.2	16.2	20.3	17.1	17.1	21.0	12.5	12.5	19.5	12.3	12.3
Incr Delay (d2), s/veh	1.8	0.3	0.3	1.9	0.5	0.6	3.2	0.0	0.1	2.0	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.8	0.8	0.4	1.0	1.0	0.2	0.4	0.4	0.8	1.7	1.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	21.6	16.4	16.6	22.2	17.6	17.7	24.1	12.5	12.5	21.5	12.6	12.7
LnGrp LOS	C	B	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h	273			276			220			677		
Approach Delay, s/veh	17.7			18.3			13.3			13.8		
Approach LOS	B			B			B			B		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	7.7	16.8	6.2	12.6	5.3	19.2	7.0	11.8				
Change Period (Y+Rc), s	4.4	5.7	4.4	* 5.6	4.4	5.7	4.4	5.6				
Max Green Setting (Gmax), s	30.0	60.0	30.0	* 40	30.0	60.0	30.1	40.0				
Max Q Clear Time (g_c+I_1),s	11.1	3.3	2.9	4.4	2.4	8.1	3.5	4.8				
Green Ext Time (p_c), s	0.0	0.3	0.0	0.4	0.0	0.9	0.0	0.5				

### Intersection Summary

HCM 6th Ctrl Delay	15.3
HCM 6th LOS	B

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 58: Pacific Heights Blvd & Pacific Center Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	38	349	90	218	1	60	9	54	0	57	36
Future Volume (veh/h)	15	38	349	90	218	1	60	9	54	0	57	36
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.96	1.00		0.99	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1575	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	44	406	120	291	1	105	16	95	0	84	53
Peak Hour Factor	0.86	0.86	0.86	0.75	0.75	0.75	0.57	0.57	0.57	0.68	0.68	0.68
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	25	1062	770	157	1345	5	338	355	297	0	163	94
Arrive On Green	0.02	0.30	0.30	0.09	0.37	0.37	0.19	0.19	0.19	0.00	0.08	0.08
Sat Flow, veh/h	1500	3554	1569	1781	3632	12	1781	1870	1565	0	2238	1234
Grp Volume(v), veh/h	17	44	406	120	142	150	105	16	95	0	68	69
Grp Sat Flow(s),veh/h/ln	1500	1777	1569	1781	1777	1868	1781	1870	1565	0	1777	1601
Q Serve(g_s), s	0.6	0.5	10.1	3.7	3.1	3.1	2.9	0.4	3.0	0.0	2.1	2.4
Cycle Q Clear(g_c), s	0.6	0.5	10.1	3.7	3.1	3.1	2.9	0.4	3.0	0.0	2.1	2.4
Prop In Lane	1.00		1.00	1.00		0.01	1.00		1.00	0.00		0.77
Lane Grp Cap(c), veh/h	25	1062	770	157	658	692	338	355	297	0	135	122
V/C Ratio(X)	0.68	0.04	0.53	0.77	0.22	0.22	0.31	0.05	0.32	0.00	0.50	0.56
Avail Cap(c_a), veh/h	794	3761	1961	943	1881	1977	1257	1320	1104	0	1254	1130
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	27.7	14.1	10.0	25.3	12.2	12.2	19.8	18.8	19.8	0.0	25.2	25.3
Incr Delay (d2), s/veh	11.6	0.0	1.0	2.9	0.3	0.3	1.1	0.1	1.3	0.0	1.1	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.2	4.4	1.5	1.1	1.1	1.2	0.2	1.1	0.0	0.9	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	39.3	14.1	11.0	28.2	12.5	12.5	20.9	18.9	21.1	0.0	26.2	26.8
LnGrp LOS	D	B	B	C	B	B	C	B	C	A	C	C
Approach Vol, veh/h	467			412			216			137		
Approach Delay, s/veh	12.3			17.1			20.9			26.5		
Approach LOS	B			B			C			C		
Timer - Assigned Phs	2			3			4			6		
Phs Duration (G+Y+Rc), s	15.6			9.4			22.4			9.2		
Change Period (Y+Rc), s	4.9			4.4			5.5			4.9		
Max Green Setting (Gmax), s	40.0			30.0			60.0			40.0		
Max Q Clear Time (g_c+l1), s	5.0			5.7			12.1			4.4		
Green Ext Time (p_c), s	1.7			0.1			3.7			0.5		

### Intersection Summary

HCM 6th Ctrl Delay 17.0  
HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.










\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 59: Pacific Mesa Blvd & Pacific Center Blvd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	7	18	172	262	54	0	38	1	48	0	1	0
Future Volume (veh/h)	7	18	172	262	54	0	38	1	48	0	1	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.95	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	8	21	200	336	69	0	45	0	55	0	4	0
Peak Hour Factor	0.86	0.86	0.86	0.78	0.78	0.78	0.87	0.87	0.87	0.25	0.25	0.25
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	15	727	317	401	1498	0	498	0	211	0	104	0
Arrive On Green	0.01	0.20	0.20	0.23	0.42	0.00	0.14	0.00	0.14	0.00	0.06	0.00
Sat Flow, veh/h	1781	3554	1551	1781	3647	0	3563	0	1510	0	1870	0
Grp Volume(v), veh/h	8	21	200	336	69	0	45	0	55	0	4	0
Grp Sat Flow(s),veh/h/ln	1781	1777	1551	1781	1777	0	1781	0	1510	0	1870	0
Q Serve(g_s), s	0.2	0.2	6.1	9.4	0.6	0.0	0.6	0.0	1.7	0.0	0.1	0.0
Cycle Q Clear(g_c), s	0.2	0.2	6.1	9.4	0.6	0.0	0.6	0.0	1.7	0.0	0.1	0.0
Prop In Lane	1.00		1.00	1.00		0.00	1.00		1.00	0.00		0.00
Lane Grp Cap(c), veh/h	15	727	317	401	1498	0	498	0	211	0	104	0
V/C Ratio(X)	0.54	0.03	0.63	0.84	0.05	0.00	0.09	0.00	0.26	0.00	0.04	0.00
Avail Cap(c_a), veh/h	1027	4096	1788	1027	4096	0	2737	0	1160	0	1437	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	25.7	16.6	18.9	19.3	8.9	0.0	19.5	0.0	20.0	0.0	23.3	0.0
Incr Delay (d2), s/veh	10.6	0.0	4.2	1.8	0.0	0.0	0.3	0.0	2.1	0.0	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.1	2.2	3.5	0.2	0.0	0.2	0.0	0.7	0.0	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	36.3	16.6	23.1	21.1	8.9	0.0	19.8	0.0	22.1	0.0	23.3	0.0
LnGrp LOS	D	B	C	C	A	A	B	A	C	A	C	A
Approach Vol, veh/h	229		405			100			4			
Approach Delay, s/veh	22.9		19.0			21.0			23.3			
Approach LOS	C		B			C			C			
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	16.1	16.0	7.8		4.8	27.2	12.2					
Change Period (Y+Rc), s	4.4	* 5.3	4.9		4.4	5.3	4.9					
Max Green Setting (Gmax), s	30.0	* 60	40.0		30.0	60.0	40.0					
Max Q Clear Time (g_c+1),s	11.4	8.1	2.1		2.2	2.6	3.7					
Green Ext Time (p_c), s	0.4	1.9	0.0		0.0	0.7	0.9					

### Intersection Summary

HCM 6th Ctrl Delay 20.5  
HCM 6th LOS C

### Notes

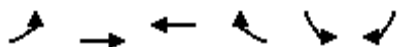
User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 60: Carroll Canyon Rd & Business Access Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	3	223	794	2	1	15
Future Volume (veh/h)	3	223	794	2	1	15
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.97	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1870	1870
Adj Flow Rate, veh/h	4	282	892	2	2	30
Peak Hour Factor	0.79	0.79	0.89	0.89	0.50	0.50
Percent Heavy Veh, %	1	1	1	1	2	2
Cap, veh/h	8	2080	1475	3	57	50
Arrive On Green	0.00	0.58	0.40	0.40	0.03	0.03
Sat Flow, veh/h	1795	3676	3760	8	1781	1585
Grp Volume(v), veh/h	4	282	436	458	2	30
Grp Sat Flow(s), veh/h/ln	1795	1791	1791	1883	1781	1585
Q Serve(g_s), s	0.1	0.9	4.9	4.9	0.0	0.5
Cycle Q Clear(g_c), s	0.1	0.9	4.9	4.9	0.0	0.5
Prop In Lane	1.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	8	2080	720	758	57	50
V/C Ratio(X)	0.51	0.14	0.60	0.60	0.04	0.59
Avail Cap(c_a), veh/h	2130	13372	4249	4469	2818	2507
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	12.6	2.4	6.0	6.0	11.9	12.1
Incr Delay (d2), s/veh	17.6	0.0	0.3	0.3	0.1	4.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.1	0.0	0.4	0.5	0.0	0.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	30.1	2.4	6.3	6.3	12.0	16.2
LnGrp LOS	C	A	A	A	B	B
Approach Vol, veh/h		286	894		32	
Approach Delay, s/veh		2.8	6.3		15.9	
Approach LOS		A	A		B	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		19.6		5.7	4.5	15.1
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9
Max Green Setting (Gmax), s		94.4		40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s		2.9		2.5	2.1	6.9
Green Ext Time (p_c), s		1.1		0.0	0.0	3.3
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			5.7			
HCM 6th LOS			A			

# HCM 6th Signalized Intersection Summary

## 61: Scranton Rd & Mira Sorrento Pl

Existing  
Timing Plan: PM Peak

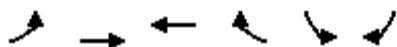


Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	76	57	284	125	265	414
Future Volume (veh/h)	76	57	284	125	265	414
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	83	62	334	147	291	455
Peak Hour Factor	0.92	0.92	0.85	0.85	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	136	121	380	1481	340	532
Arrive On Green	0.08	0.08	0.21	0.79	0.52	0.52
Sat Flow, veh/h	1781	1585	1781	1870	655	1024
Grp Volume(v), veh/h	83	62	334	147	0	746
Grp Sat Flow(s), veh/h/ln	1781	1585	1781	1870	0	1679
Q Serve(g_s), s	3.4	2.8	13.6	1.3	0.0	28.8
Cycle Q Clear(g_c), s	3.4	2.8	13.6	1.3	0.0	28.8
Prop In Lane	1.00	1.00	1.00			0.61
Lane Grp Cap(c), veh/h	136	121	380	1481	0	873
V/C Ratio(X)	0.61	0.51	0.88	0.10	0.00	0.85
Avail Cap(c_a), veh/h	949	845	712	2353	0	1342
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	33.6	33.3	28.6	1.8	0.0	15.6
Incr Delay (d2), s/veh	5.8	4.5	2.6	0.0	0.0	4.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	1.6	0.1	5.7	0.2	0.0	10.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	39.4	37.8	31.2	1.8	0.0	19.7
LnGrp LOS	D	D	C	A	A	B
Approach Vol, veh/h	145			481	746	
Approach Delay, s/veh	38.7			22.2	19.7	
Approach LOS	D			C	B	
Timer - Assigned Phs	2			4	5	6
Phs Duration (G+Y+Rc), s	64.4			10.6	20.4	44.0
Change Period (Y+Rc), s	5.0			4.9	4.4	5.0
Max Green Setting (Gmax), s	94.4			40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s	3.3			5.4	15.6	30.8
Green Ext Time (p_c), s	1.2			0.6	0.4	8.2
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			22.6			
HCM 6th LOS			C			



# HCM 6th Signalized Intersection Summary 62: Carroll Canyon Rd & Youngstown Wy

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	15	342	838	10	19	143
Future Volume (veh/h)	15	342	838	10	19	143
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1900	1900
Adj Flow Rate, veh/h	17	389	1022	12	26	193
Peak Hour Factor	0.88	0.88	0.82	0.82	0.74	0.74
Percent Heavy Veh, %	1	1	1	1	0	0
Cap, veh/h	30	2148	1765	21	33	243
Arrive On Green	0.02	0.60	0.49	0.49	0.17	0.17
Sat Flow, veh/h	1795	3676	3719	43	193	1432
Grp Volume(v), veh/h	17	389	505	529	220	0
Grp Sat Flow(s), veh/h/ln	1795	1791	1791	1876	1633	0
Q Serve(g_s), s	0.4	2.2	9.3	9.3	5.9	0.0
Cycle Q Clear(g_c), s	0.4	2.2	9.3	9.3	5.9	0.0
Prop In Lane	1.00			0.02	0.12	0.88
Lane Grp Cap(c), veh/h	30	2148	872	914	277	0
V/C Ratio(X)	0.56	0.18	0.58	0.58	0.79	0.00
Avail Cap(c_a), veh/h	1171	7350	2336	2447	1420	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	22.4	4.1	8.4	8.4	18.3	0.0
Incr Delay (d2), s/veh	5.8	0.1	0.8	0.8	2.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.2	0.4	2.3	2.4	2.1	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	28.2	4.2	9.3	9.2	20.3	0.0
LnGrp LOS	C	A	A	A	C	A
Approach Vol, veh/h		406	1034		220	
Approach Delay, s/veh		5.2	9.3		20.3	
Approach LOS		A	A		C	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		33.3		12.7	5.2	28.1
Change Period (Y+Rc), s		5.7		4.9	4.4	5.7
Max Green Setting (Gmax), s		94.4		40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s		4.2		7.9	2.4	11.3
Green Ext Time (p_c), s		3.6		0.4	0.0	11.1
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			9.7			
HCM 6th LOS			A			
<b>Notes</b>						
User approved volume balancing among the lanes for turning movement.						

# HCM 6th Signalized Intersection Summary

## 63: Black Mountain Rd & Westview Pkwy

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				↰		↰↰	↰	↑↑↑	↰	↰	↑↑↑	
Traffic Volume (veh/h)	0	0	0	20	0	316	1	1707	73	246	1010	0
Future Volume (veh/h)	0	0	0	20	0	316	1	1707	73	246	1010	0
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach				No		No		No		No		
Adj Sat Flow, veh/h/ln				1870	0	1870	1870	1856	1856	1856	1856	0
Adj Flow Rate, veh/h				23	0	359	1	1835	78	267	1098	0
Peak Hour Factor				0.88	0.88	0.88	0.93	0.93	0.93	0.92	0.92	0.92
Percent Heavy Veh, %				2	0	2	2	3	3	3	3	0
Cap, veh/h				298	0	467	2	2558	770	302	3417	0
Arrive On Green				0.17	0.00	0.17	0.00	0.50	0.50	0.17	0.67	0.00
Sat Flow, veh/h				1781	0	2790	1781	5066	1525	1767	5233	0
Grp Volume(v), veh/h				23	0	359	1	1835	78	267	1098	0
Grp Sat Flow(s),veh/h/ln				1781	0	1395	1781	1689	1525	1767	1689	0
Q Serve(g_s), s				1.1	0.0	12.4	0.1	28.3	2.7	14.8	9.1	0.0
Cycle Q Clear(g_c), s				1.1	0.0	12.4	0.1	28.3	2.7	14.8	9.1	0.0
Prop In Lane				1.00		1.00	1.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h				298	0	467	2	2558	770	302	3417	0
V/C Ratio(X)				0.08	0.00	0.77	0.51	0.72	0.10	0.89	0.32	0.00
Avail Cap(c_a), veh/h				708	0	1109	531	3021	909	878	4084	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh				35.3	0.0	40.0	50.2	19.3	13.0	40.7	6.8	0.0
Incr Delay (d2), s/veh				0.2	0.0	4.1	60.9	0.8	0.1	3.5	0.1	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				0.5	0.0	4.3	0.1	9.8	0.8	6.4	2.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh				35.5	0.0	44.1	111.1	20.1	13.1	44.2	6.9	0.0
LnGrp LOS				D	A	D	F	C	B	D	A	A
Approach Vol, veh/h					382			1914			1365	
Approach Delay, s/veh					43.6			19.9			14.2	
Approach LOS					D			B			B	
Timer - Assigned Phs	1	2			5	6		8				
Phs Duration (G+Y+Rc), s	1.6	57.8			4.5	74.9		21.2				
Change Period (Y+Rc), s	4.4	7.0			4.4	* 7		4.4				
Max Green Setting (Gm), s	50.0	60.0			30.0	* 81		40.0				
Max Q Clear Time (g_c+1), s	10.8	30.3			2.1	11.1		14.4				
Green Ext Time (p_c), s	0.3	20.5			0.0	18.7		2.5				

### Intersection Summary

HCM 6th Ctrl Delay 20.2  
HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.













\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 64: Black Mountain Rd & Capricorn Wy

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	677	251	70	37	145	23	161	1056	95	37	560	425
Future Volume (veh/h)	677	251	70	37	145	23	161	1056	95	37	560	425
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1796	1870	1870	1796	1563	1856	1856	1563	1856	1856
Adj Flow Rate, veh/h	698	259	72	50	196	31	169	1112	100	39	583	443
Peak Hour Factor	0.97	0.97	0.97	0.74	0.74	0.74	0.95	0.95	0.95	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	334	899	377	65	350	147	413	2748	840	47	1435	438
Arrive On Green	0.19	0.25	0.25	0.04	0.10	0.10	0.28	0.54	0.54	0.03	0.28	0.28
Sat Flow, veh/h	1781	3554	1491	1781	3554	1494	1488	5066	1549	1488	5066	1547
Grp Volume(v), veh/h	698	259	72	50	196	31	169	1112	100	39	583	443
Grp Sat Flow(s),veh/h/ln	1781	1777	1491	1781	1777	1494	1488	1689	1549	1488	1689	1547
Q Serve(g_s), s	28.1	8.8	3.0	4.2	7.9	2.6	13.9	19.3	4.7	3.9	14.0	42.5
Cycle Q Clear(g_c), s	28.1	8.8	3.0	4.2	7.9	2.6	13.9	19.3	4.7	3.9	14.0	42.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	334	899	377	65	350	147	413	2748	840	47	1435	438
V/C Ratio(X)	2.09	0.29	0.19	0.77	0.56	0.21	0.41	0.40	0.12	0.83	0.41	1.01
Avail Cap(c_a), veh/h	334	986	414	216	751	316	413	2748	840	100	1435	438
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.97	0.97
Uniform Delay (d), s/veh	61.0	45.1	12.1	71.7	64.5	50.0	44.2	20.1	16.8	72.2	43.5	53.8
Incr Delay (d2), s/veh	501.4	0.5	0.7	7.2	3.8	1.9	0.2	0.4	0.3	12.3	0.8	45.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh	59.3	4.0	2.2	2.1	3.8	1.2	5.0	7.4	1.8	1.6	5.8	22.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	562.4	45.6	12.8	78.9	68.3	51.9	44.4	20.6	17.1	84.5	44.4	98.8
LnGrp LOS	F	D	B	E	E	D	D	C	B	F	D	F
Approach Vol, veh/h	1029			277			1381			1065		
Approach Delay, s/veh	393.8			68.4			23.2			68.5		
Approach LOS	F			E			C			E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	88.2	88.2	9.8	42.8	48.4	48.9	33.0	19.7				
Change Period (Y+Rc), s	4.4	6.8	4.4	4.9	6.8	* 6.4	4.9	* 4.9				
Max Green Setting (Gmax), s	40.1	59.6	18.2	41.6	27.6	* 43	28.1	* 32				
Max Q Clear Time (g_c+Ib), s	10.9	21.3	6.2	10.8	15.9	44.5	30.1	9.9				
Green Ext Time (p_c), s	0.0	9.0	0.0	4.5	0.2	0.0	0.0	2.7				

### Intersection Summary

HCM 6th Ctrl Delay 141.1

HCM 6th LOS F

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 65: Black Mountain Rd & Achilles Wy/Galvin Ave

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔		↔	↔	↔	↔	↔	↔	↔	↔	↔
Traffic Volume (veh/h)	1	0	3	59	2	67	3	1254	214	40	621	2
Future Volume (veh/h)	1	0	3	59	2	67	3	1254	214	40	621	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	2	0	6	82	0	91	3	1334	228	41	640	2
Peak Hour Factor	0.50	0.50	0.50	0.74	0.74	0.74	0.94	0.94	0.94	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	3	0	10	271	0	167	6	2362	1034	52	2454	1064
Arrive On Green	0.01	0.00	0.01	0.08	0.00	0.08	0.01	1.00	1.00	0.03	0.70	0.70
Sat Flow, veh/h	407	0	1222	3563	0	1585	1767	3526	1544	1767	3526	1529
Grp Volume(v), veh/h	8	0	0	82	0	91	3	1334	228	41	640	2
Grp Sat Flow(s),veh/h/ln	630	0	0	1781	0	1585	1767	1763	1544	1767	1763	1529
Q Serve(g_s), s	0.5	0.0	0.0	2.1	0.0	5.2	0.2	0.0	0.0	2.2	6.4	0.0
Cycle Q Clear(g_c), s	0.5	0.0	0.0	2.1	0.0	5.2	0.2	0.0	0.0	2.2	6.4	0.0
Prop In Lane	0.25		0.75	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	13	0	0	271	0	167	6	2362	1034	52	2454	1064
V/C Ratio(X)	0.61	0.00	0.00	0.30	0.00	0.55	0.53	0.56	0.22	0.79	0.26	0.00
Avail Cap(c_a), veh/h	115	0	0	454	0	248	149	2362	1034	186	2454	1064
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	0.92	0.00	0.92	0.50	0.50	0.50	1.00	1.00	1.00
Uniform Delay (d), s/veh	47.0	0.0	0.0	41.5	0.0	40.3	47.1	0.0	0.0	45.8	5.4	4.4
Incr Delay (d2), s/veh	16.0	0.0	0.0	0.2	0.0	1.0	13.5	0.5	0.2	9.7	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.0	0.9	0.0	2.0	0.1	0.2	0.1	1.1	1.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	63.0	0.0	0.0	41.7	0.0	41.3	60.6	0.5	0.2	55.6	5.6	4.4
LnGrp LOS	E	A	A	D	A	D	E	A	A	E	A	A
Approach Vol, veh/h	8			173			1565			683		
Approach Delay, s/veh	63.0			41.5			0.6			8.6		
Approach LOS	E			D			A			A		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.2	69.9		5.7	4.7	72.4		12.2				
Change Period (Y+Rc), s	4.4	* 6.3		4.9	4.4	6.3		5.0				
Max Green Setting (Gmax), s	47			6.7	8.0	47.6		12.1				
Max Q Clear Time (g_c+I_T), s	2.0			2.5	2.2	8.4		7.2				
Green Ext Time (p_c), s	0.0	25.1		0.0	0.0	2.6		0.1				

### Intersection Summary

HCM 6th Ctrl Delay 6.0  
HCM 6th LOS A

### Notes

User approved volume balancing among the lanes for turning movement.











\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 66: Black Mountain Rd & Gemini Ave

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	374	67	325	85	64	81	309	1024	17	51	542	83
Future Volume (veh/h)	374	67	325	85	64	81	309	1024	17	51	542	83
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.97	1.00		0.98	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1563	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	416	0	410	116	88	111	329	1089	18	56	596	91
Peak Hour Factor	0.90	0.90	0.90	0.73	0.73	0.73	0.94	0.94	0.94	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	405	0	1015	398	589	514	393	1675	28	71	1327	581
Arrive On Green	0.33	0.00	0.33	0.33	0.33	0.33	0.09	0.32	0.32	0.08	0.75	0.75
Sat Flow, veh/h	1177	0	3061	971	1777	1551	2887	3547	59	1767	3526	1543
Grp Volume(v), veh/h	416	0	410	116	88	111	329	541	566	56	596	91
Grp Sat Flow(s),veh/h/ln	1177	0	1531	971	1777	1551	1444	1763	1843	1767	1763	1543
Q Serve(g_s), s	26.6	0.0	9.8	8.6	3.3	4.9	10.7	25.1	25.1	3.0	6.0	1.6
Cycle Q Clear(g_c), s	31.5	0.0	9.8	8.6	3.3	4.9	10.7	25.1	25.1	3.0	6.0	1.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.03	1.00		1.00
Lane Grp Cap(c), veh/h	405	0	1015	398	589	514	393	832	870	71	1327	581
V/C Ratio(X)	1.03	0.00	0.40	0.29	0.15	0.22	0.84	0.65	0.65	0.78	0.45	0.16
Avail Cap(c_a), veh/h	405	0	1015	398	589	514	520	832	870	169	1327	581
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.67	0.67	0.67	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	0.52	0.52	0.52	0.98	0.98	0.98
Uniform Delay (d), s/veh	36.7	0.0	24.5	24.1	22.3	22.9	42.1	25.7	25.7	43.3	8.1	7.5
Incr Delay (d2), s/veh	51.5	0.0	0.1	0.1	0.0	0.1	3.8	2.1	2.0	6.8	1.1	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.4	0.0	3.6	2.0	1.4	1.8	4.1	11.4	11.9	1.4	1.9	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	88.2	0.0	24.6	24.3	22.4	22.9	45.9	27.8	27.7	50.0	9.1	8.1
LnGrp LOS	F	A	C	C	C	C	D	C	C	D	A	A
Approach Vol, veh/h	826			315			1436			743		
Approach Delay, s/veh	56.6			23.3			31.9			12.1		
Approach LOS	E			C			C			B		
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	50.4		36.4		17.3	41.3	36.4					
Change Period (Y+Rc), s	4.4	5.5	4.9		4.4	* 5.5	4.9					
Max Green Setting (Gmax), s	39.6		31.5		17.1	* 32	31.5					
Max Q Clear Time (g_c+Ib),s	27.1		33.5		12.7	8.0	10.6					
Green Ext Time (p_c), s	0.0	8.1	0.0		0.3	7.3	1.2					

### Intersection Summary

HCM 6th Ctrl Delay	32.8
HCM 6th LOS	C

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.












\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 67: Black Mountain Rd & Hillery Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	165	497	110	230	279	102	184	630	525	176	431	73
Future Volume (veh/h)	165	497	110	230	279	102	184	630	525	176	431	73
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.96	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1563	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	185	558	124	250	303	111	196	670	559	200	490	83
Peak Hour Factor	0.89	0.89	0.89	0.92	0.92	0.92	0.94	0.94	0.94	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	210	462	103	306	531	442	214	1378	591	117	1106	473
Arrive On Green	0.12	0.31	0.31	0.09	0.28	0.28	0.24	0.65	0.65	0.07	0.31	0.31
Sat Flow, veh/h	1781	1476	328	3456	1870	1555	1488	3526	1512	1767	3526	1508
Grp Volume(v), veh/h	185	0	682	250	303	111	196	670	559	200	490	83
Grp Sat Flow(s),veh/h/ln	1781	0	1804	1728	1870	1555	1488	1763	1512	1767	1763	1508
Q Serve(g_s), s	13.9	0.0	42.6	9.7	18.8	7.5	17.5	13.1	45.7	9.0	15.1	5.4
Cycle Q Clear(g_c), s	13.9	0.0	42.6	9.7	18.8	7.5	17.5	13.1	45.7	9.0	15.1	5.4
Prop In Lane	1.00		0.18	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	210	0	565	306	531	442	214	1378	591	117	1106	473
V/C Ratio(X)	0.88	0.00	1.21	0.82	0.57	0.25	0.92	0.49	0.95	1.71	0.44	0.18
Avail Cap(c_a), veh/h	296	0	565	625	613	510	241	1378	591	117	1106	473
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.67	1.67	1.67	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	0.79	0.79	0.79	0.81	0.81	0.81
Uniform Delay (d), s/veh	59.0	0.0	46.7	60.9	41.6	37.6	50.9	16.7	22.3	63.5	37.2	33.9
Incr Delay (d2), s/veh	15.3	0.0	108.9	2.1	2.7	0.8	27.9	1.0	22.1	347.2	1.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.2	0.0	36.1	4.3	9.0	3.0	7.5	4.4	15.2	15.3	6.6	2.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	74.4	0.0	155.6	63.0	44.3	38.4	78.8	17.6	44.4	410.7	38.3	34.6
LnGrp LOS	E	A	F	E	D	D	E	B	D	F	D	C
Approach Vol, veh/h	867			664			1425			773		
Approach Delay, s/veh	138.2			50.3			36.5			134.2		
Approach LOS	F			D			D			F		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	13.4	58.6	16.4	47.6	23.9	48.1	20.4	43.6				
Change Period (Y+Rc), s	4.4	5.4	4.4	* 5	4.4	* 5.4	4.4	5.0				
Max Green Setting (Gmax), s	40.6	40.6	24.6	* 43	22.0	* 28	22.6	44.6				
Max Q Clear Time (g_c+11),s	47.7	47.7	11.7	44.6	19.5	17.1	15.9	20.8				
Green Ext Time (p_c), s	0.0	0.0	0.4	0.0	0.1	3.6	0.1	4.8				

### Intersection Summary

HCM 6th Ctrl Delay	82.9
HCM 6th LOS	F

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 68: Black Mountain Rd & Miramar College Drwy

Existing  
Timing Plan: PM Peak



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	76	89	1186	132	168	633
Future Volume (veh/h)	76	89	1186	132	168	633
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.97	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1856	1781	1563	1856
Adj Flow Rate, veh/h	93	109	1262	140	183	688
Peak Hour Factor	0.82	0.82	0.94	0.94	0.92	0.92
Percent Heavy Veh, %	2	2	3	3	3	3
Cap, veh/h	150	134	2490	1039	154	2969
Arrive On Green	0.08	0.08	0.47	0.47	0.21	1.00
Sat Flow, veh/h	1781	1585	3618	1471	1488	3618
Grp Volume(v), veh/h	93	109	1262	140	183	688
Grp Sat Flow(s), veh/h/ln	1781	1585	1763	1471	1488	1763
Q Serve(g_s), s	6.9	9.2	33.7	7.3	14.1	0.0
Cycle Q Clear(g_c), s	6.9	9.2	33.7	7.3	14.1	0.0
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	150	134	2490	1039	154	2969
V/C Ratio(X)	0.62	0.82	0.51	0.13	1.19	0.23
Avail Cap(c_a), veh/h	365	325	2490	1039	154	2969
HCM Platoon Ratio	1.00	1.00	0.67	0.67	2.00	2.00
Upstream Filter(l)	1.00	1.00	0.69	0.69	0.70	0.70
Uniform Delay (d), s/veh	60.2	61.2	19.4	12.4	53.9	0.0
Incr Delay (d2), s/veh	1.6	4.5	0.5	0.2	120.1	0.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	3.2	3.9	14.8	2.4	9.7	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	61.7	65.8	19.9	12.6	174.0	0.1
LnGrp LOS	E	E	B	B	F	A
Approach Vol, veh/h	202		1402			871
Approach Delay, s/veh	63.9		19.2			36.6
Approach LOS	E		B			D
Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	18.5	101.1			119.6	16.4
Change Period (Y+Rc), s	4.4	5.1			* 5.1	4.9
Max Green Setting (Gmax), s	101.1	79.6			* 98	27.9
Max Q Clear Time (g_c+10), s	101.1	35.7			2.0	11.2
Green Ext Time (p_c), s	0.0	15.1			7.8	0.3

### Intersection Summary

HCM 6th Ctrl Delay	29.0
HCM 6th LOS	C

### Notes

User approved ignoring U-Turning movement.

























\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



# HCM 6th Signalized Intersection Summary

## 69: Black Mountain Rd & Gold Coast Dr

Existing  
Timing Plan: PM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	244	163	456	30	196	179	244	882	53	120	459	101
Future Volume (veh/h)	244	163	456	30	196	179	244	882	53	120	459	101
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	1.00		0.95	1.00		0.91
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1796	1870	1870	1796	1563	1856	1781	1563	1856	1856
Adj Flow Rate, veh/h	260	173	485	33	215	197	254	919	55	136	522	115
Peak Hour Factor	0.94	0.94	0.94	0.91	0.91	0.91	0.96	0.96	0.96	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	285	564	447	42	310	243	483	1523	617	156	578	126
Arrive On Green	0.16	0.30	0.30	0.02	0.17	0.17	0.32	0.43	0.43	0.03	0.07	0.07
Sat Flow, veh/h	1781	1870	1482	1781	1870	1466	1488	3526	1429	1488	2819	616
Grp Volume(v), veh/h	260	173	485	33	215	197	254	919	55	136	325	312
Grp Sat Flow(s),veh/h/ln	1781	1870	1482	1781	1870	1466	1488	1763	1429	1488	1763	1673
Q Serve(g_s), s	19.5	9.7	17.7	2.5	14.7	17.6	18.9	27.2	3.1	12.4	24.9	25.2
Cycle Q Clear(g_c), s	19.5	9.7	17.7	2.5	14.7	17.6	18.9	27.2	3.1	12.4	24.9	25.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.37
Lane Grp Cap(c), veh/h	285	564	447	42	310	243	483	1523	617	156	361	343
V/C Ratio(X)	0.91	0.31	1.08	0.78	0.69	0.81	0.53	0.60	0.09	0.87	0.90	0.91
Avail Cap(c_a), veh/h	367	564	447	367	393	308	483	1523	617	165	372	353
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.31	0.31	0.31	0.97	0.97	0.97
Uniform Delay (d), s/veh	56.2	36.5	8.8	66.0	53.5	54.7	37.4	29.7	22.8	64.7	62.0	62.1
Incr Delay (d2), s/veh	20.2	0.5	67.3	10.9	4.2	12.9	0.2	0.6	0.1	32.3	27.0	29.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.4	4.6	13.9	1.3	7.4	7.4	6.8	11.4	1.1	6.4	14.5	14.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	76.4	37.0	76.1	76.9	57.7	67.6	37.6	30.2	22.9	97.0	89.0	91.8
LnGrp LOS	E	D	F	E	E	E	D	C	C	F	F	F
Approach Vol, veh/h		918			445			1228			773	
Approach Delay, s/veh		68.8			63.5			31.4			91.5	
Approach LOS		E			E			C			F	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	18.7	63.7	7.6	45.9	49.2	33.3	26.2	27.4				
Change Period (Y+Rc), s	4.4	5.0	4.4	4.9	5.0	* 5.4	4.4	4.9				
Max Green Setting (Gmax), s	15.1	45.6	28.0	28.6	31.6	* 29	28.0	28.6				
Max Q Clear Time (g_c+I1), s	14.4	29.2	4.5	19.7	20.9	27.2	21.5	19.6				
Green Ext Time (p_c), s	0.0	8.3	0.0	3.1	0.3	0.7	0.2	1.6				

### Intersection Summary

HCM 6th Ctrl Delay 59.7  
HCM 6th LOS E

### Notes

User approved ignoring U-Turning movement.






\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 70: Black Mountain Rd & Carroll Canyon Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	5	6	169	0	280	16	901	472	435	517	19
Future Volume (veh/h)	12	5	6	169	0	280	16	901	472	435	517	19
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		1.00	1.00		0.98	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	0	1885	1856	1856	1856	1563	1856	1856
Adj Flow Rate, veh/h	19	8	9	206	0	341	17	979	513	448	533	20
Peak Hour Factor	0.64	0.64	0.64	0.82	0.82	0.82	0.92	0.92	0.92	0.97	0.97	0.97
Percent Heavy Veh, %	1	1	1	1	0	1	3	3	3	3	3	3
Cap, veh/h	24	10	11	0	0	0	25	1566	798	488	2952	111
Arrive On Green	0.03	0.03	0.03	0.00	0.00	0.00	0.03	1.00	1.00	0.34	1.00	1.00
Sat Flow, veh/h	915	385	433		0		1767	2243	1143	2887	3461	130
Grp Volume(v), veh/h	36	0	0		0.0		17	763	729	448	271	282
Grp Sat Flow(s),veh/h/ln	734	0	0				1767	1763	1623	1444	1763	1827
Q Serve(g_s), s	2.8	0.0	0.0				1.3	0.0	0.0	20.3	0.0	0.0
Cycle Q Clear(g_c), s	2.8	0.0	0.0				1.3	0.0	0.0	20.3	0.0	0.0
Prop In Lane	0.53		0.25				1.00		0.70	1.00		0.07
Lane Grp Cap(c), veh/h	46	0	0				25	1231	1133	488	1504	1559
V/C Ratio(X)	0.79	0.00	0.00				0.69	0.62	0.64	0.92	0.18	0.18
Avail Cap(c_a), veh/h	87	0	0				130	1231	1133	722	1504	1559
HCM Platoon Ratio	1.00	1.00	1.00				2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	0.00				0.83	0.83	0.83	0.79	0.79	0.79
Uniform Delay (d), s/veh	65.8	0.0	0.0				65.8	0.0	0.0	44.1	0.0	0.0
Incr Delay (d2), s/veh	25.0	0.0	0.0				10.1	2.0	2.3	8.2	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	0.0				0.6	0.7	0.7	6.5	0.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	90.9	0.0	0.0				75.9	2.0	2.3	52.3	0.2	0.2
LnGrp LOS	F	A	A				E	A	A	D	A	A
Approach Vol, veh/h	36						1509			1001		
Approach Delay, s/veh	90.9						3.0			23.5		
Approach LOS	F						A			C		
Timer - Assigned Phs	1	2		4	5	6						
Phs Duration (G+Y+Rc),s	7.4	100.2		8.5	6.3	121.2						
Change Period (Y+Rc), s	4.4	* 5.2		4.9	4.4	5.2						
Max Green Setting (Gmax),s	34.0	* 51		6.8	10.0	74.6						
Max Q Clear Time (g_c+2.0),s	21.3	2.0		4.8	3.3	2.0						
Green Ext Time (p_c), s	0.7	27.3		0.0	0.0	7.8						

### Intersection Summary

HCM 6th Ctrl Delay 12.3

HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 71: Maya Linda Rd & Carroll Canyon Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	765	18	73	452	391	5	36	212	165	19	18
Future Volume (veh/h)	12	765	18	73	452	391	5	36	212	165	19	18
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	0.99		0.99	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1885	1885	1810	1885	1885	1885	1870	1870	1796	1870	1870	1870
Adj Flow Rate, veh/h	13	805	19	76	471	407	6	40	238	190	22	21
Peak Hour Factor	0.95	0.95	0.95	0.96	0.96	0.96	0.89	0.89	0.89	0.87	0.87	0.87
Percent Heavy Veh, %	1	1	1	1	1	1	2	2	2	2	2	2
Cap, veh/h	24	1462	610	97	808	697	112	464	399	427	230	220
Arrive On Green	0.01	0.41	0.41	0.05	0.45	0.45	0.26	0.26	0.26	0.26	0.26	0.26
Sat Flow, veh/h	1795	3582	1495	1795	1798	1552	86	1751	1508	1095	869	830
Grp Volume(v), veh/h	13	805	19	76	469	409	46	0	238	190	0	43
Grp Sat Flow(s), veh/h/ln	1795	1791	1495	1795	1791	1559	1837	0	1508	1095	0	1699
Q Serve(g_s), s	0.3	7.9	0.3	1.9	9.0	9.0	0.0	0.0	6.3	7.3	0.0	0.9
Cycle Q Clear(g_c), s	0.3	7.9	0.3	1.9	9.0	9.0	0.8	0.0	6.3	8.1	0.0	0.9
Prop In Lane	1.00		1.00	1.00		1.00	0.13		1.00	1.00		0.49
Lane Grp Cap(c), veh/h	24	1462	610	97	804	700	575	0	399	427	0	450
V/C Ratio(X)	0.54	0.55	0.03	0.78	0.58	0.58	0.08	0.00	0.60	0.45	0.00	0.10
Avail Cap(c_a), veh/h	1175	4690	1957	1175	2345	2042	1659	0	1316	1092	0	1483
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	22.5	10.3	8.1	21.4	9.4	9.4	12.7	0.0	14.7	15.7	0.0	12.7
Incr Delay (d2), s/veh	7.0	0.4	0.0	5.1	0.9	1.0	0.0	0.0	0.5	0.3	0.0	0.0
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.2	2.4	0.1	0.8	2.7	2.4	0.3	0.0	1.9	1.6	0.0	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	29.4	10.8	8.2	26.5	10.3	10.4	12.7	0.0	15.2	16.0	0.0	12.7
LnGrp LOS	C	B	A	C	B	B	B	A	B	B	A	B
Approach Vol, veh/h	837			954			284			233		
Approach Delay, s/veh	11.0			11.6			14.8			15.4		
Approach LOS	B			B			B			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	6.5	23.2		16.1	4.6	25.1		16.1				
Change Period (Y+Rc), s	4.0	4.5		4.0	4.0	4.5		4.0				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+I), s	11.9	9.9		10.1	2.3	11.0		8.3				
Green Ext Time (p_c), s	0.1	8.8		0.6	0.0	9.4		0.6				

### Intersection Summary

HCM 6th Ctrl Delay 12.2  
HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 72: Black Mountain Rd & Maya Linda Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↑	↕	↕	↑↑	↕	↕	↑↑	
Traffic Volume (veh/h)	2	0	1	17	0	23	3	1345	232	25	656	4
Future Volume (veh/h)	2	0	1	17	0	23	3	1345	232	25	656	4
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.99	0.99		0.99	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	8	0	4	22	0	30	3	1546	267	27	705	4
Peak Hour Factor	0.25	0.25	0.25	0.77	0.77	0.77	0.87	0.87	0.87	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	78	8	21	115	80	67	6	2934	1275	34	3048	17
Arrive On Green	0.04	0.00	0.04	0.04	0.00	0.04	0.00	0.83	0.83	0.04	1.00	1.00
Sat Flow, veh/h	792	193	492	1394	1870	1563	1767	3526	1532	1767	3594	20
Grp Volume(v), veh/h	12	0	0	22	0	30	3	1546	267	27	346	363
Grp Sat Flow(s),veh/h/ln	1477	0	0	1394	1870	1563	1767	1763	1532	1767	1763	1851
Q Serve(g_s), s	0.0	0.0	0.0	1.0	0.0	2.5	0.2	17.8	4.8	2.1	0.0	0.0
Cycle Q Clear(g_c), s	0.9	0.0	0.0	1.8	0.0	2.5	0.2	17.8	4.8	2.1	0.0	0.0
Prop In Lane	0.67		0.33	1.00		1.00	1.00		1.00	1.00		0.01
Lane Grp Cap(c), veh/h	107	0	0	115	80	67	6	2934	1275	34	1495	1570
V/C Ratio(X)	0.11	0.00	0.00	0.19	0.00	0.45	0.54	0.53	0.21	0.80	0.23	0.23
Avail Cap(c_a), veh/h	360	0	0	362	411	344	131	2934	1275	131	1495	1570
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	0.65	0.65	0.65	0.97	0.97	0.97
Uniform Delay (d), s/veh	62.7	0.0	0.0	63.1	0.0	63.5	67.7	3.4	2.3	65.1	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.3	0.0	1.7	18.1	0.4	0.2	14.2	0.4	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	0.0	0.8	0.0	1.1	0.1	4.3	1.1	1.0	0.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	62.9	0.0	0.0	63.4	0.0	65.3	85.8	3.9	2.6	79.4	0.4	0.3
LnGrp LOS	E	A	A	E	A	E	F	A	A	E	A	A
Approach Vol, veh/h	12			52			1816			736		
Approach Delay, s/veh	62.9			64.5			3.8			3.2		
Approach LOS	E			E			A			A		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	7.0	118.3		10.7	4.8	120.5		10.7				
Change Period (Y+Rc), s	4.4	5.1		4.9	4.4	* 5.1		4.9				
Max Green Setting (Gmax), s	10.1	81.5		30.0	10.1	* 82		29.9				
Max Q Clear Time (g_c+I+1),s	19.8			2.9	2.2	2.0		4.5				
Green Ext Time (p_c), s	0.0	25.0		0.0	0.0	7.8		0.1				

### Intersection Summary

HCM 6th Ctrl Delay 5.1  
HCM 6th LOS A

### Notes

User approved ignoring U-Turning movement.












\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 73: Kearny Villa Rd & Black Mountain Rd & Carroll Center Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	893	64	270	82	27	84	31	533	41	28	305	286
Future Volume (veh/h)	893	64	270	82	27	84	31	533	41	28	305	286
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1856	1856	1856	1870	1870	1870	1870	1870	1796	1856	1856	1856
Adj Flow Rate, veh/h	971	70	293	95	31	98	35	599	46	30	328	308
Peak Hour Factor	0.92	0.92	0.92	0.86	0.86	0.86	0.89	0.89	0.89	0.93	0.93	0.93
Percent Heavy Veh, %	3	3	3	2	2	2	2	2	2	3	3	3
Cap, veh/h	1093	731	607	123	256	221	48	944	391	43	927	907
Arrive On Green	0.32	0.39	0.39	0.07	0.14	0.14	0.03	0.27	0.27	0.02	0.26	0.26
Sat Flow, veh/h	3428	1856	1541	1781	1777	1531	1781	3554	1472	1767	3526	1544
Grp Volume(v), veh/h	971	70	293	95	31	98	35	599	46	30	328	308
Grp Sat Flow(s),veh/h/ln	1714	1856	1541	1781	1777	1531	1781	1777	1472	1767	1763	1544
Q Serve(g_s), s	21.8	1.9	11.5	4.2	1.2	4.7	1.6	12.0	1.9	1.4	6.1	8.4
Cycle Q Clear(g_c), s	21.8	1.9	11.5	4.2	1.2	4.7	1.6	12.0	1.9	1.4	6.1	8.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	1093	731	607	123	256	221	48	944	391	43	927	907
V/C Ratio(X)	0.89	0.10	0.48	0.77	0.12	0.44	0.73	0.63	0.12	0.70	0.35	0.34
Avail Cap(c_a), veh/h	1694	1357	1127	660	1098	946	660	2191	907	655	2200	1464
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.2	15.5	18.4	37.0	30.2	31.7	39.1	26.2	22.5	39.2	24.2	8.8
Incr Delay (d2), s/veh	2.7	0.1	0.5	3.8	0.4	2.4	7.7	1.2	0.2	7.5	0.6	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	18.8	0.8	4.0	1.9	0.5	1.9	0.8	4.9	0.7	0.7	2.5	2.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.9	15.5	18.9	40.8	30.5	34.0	46.7	27.4	22.7	46.7	24.8	9.4
LnGrp LOS	C	B	B	D	C	C	D	C	C	D	C	A
Approach Vol, veh/h	1334			224			680			666		
Approach Delay, s/veh	26.0			36.4			28.1			18.7		
Approach LOS	C			D			C			B		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	27.0	10.0	37.6	6.6	26.8	30.2	17.4					
Change Period (Y+Rc), s	4.4	5.5	4.4	5.7	4.4	* 5.5	4.4	* 5.7				
Max Green Setting (Gmax), s	30.0	49.9	30.0	59.2	30.0	* 51	40.0	* 50				
Max Q Clear Time (g_c+I), s	14.0	14.0	6.2	13.5	3.6	10.4	23.8	6.7				
Green Ext Time (p_c), s	0.0	7.3	0.1	1.3	0.0	8.1	2.0	1.4				

### Intersection Summary

HCM 6th Ctrl Delay 25.6  
HCM 6th LOS C

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th TWSC  
74: Kearny Villa Rd & Kearny Mesa Rd




















Existing  
Timing Plan: PM Peak

Intersection						
Int Delay, s/veh	0.1					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑↑	↑↑			↑
Traffic Vol, veh/h	0	1396	819	104	0	11
Future Vol, veh/h	0	1396	819	104	0	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1485	890	113	0	12
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	-	0	-	0	-	502
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	-	-	-	-	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	-	-	-	-	3.32
Pot Cap-1 Maneuver	0	-	-	-	0	515
Stage 1	0	-	-	-	0	-
Stage 2	0	-	-	-	0	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	-	-	-	-	-	515
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Approach	EB	WB		SB		
HCM Control Delay, s	0	0		12.2		
HCM LOS				B		
Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1		
Capacity (veh/h)	-	-	-	515		
HCM Lane V/C Ratio	-	-	-	0.023		
HCM Control Delay (s)	-	-	-	12.2		
HCM Lane LOS	-	-	-	B		
HCM 95th %tile Q(veh)	-	-	-	0.1		

# HCM 6th Signalized Intersection Summary

## 75: Black Mountain Rd & Activity Rd

Existing  
Timing Plan: PM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	871	3	462	7	4	9	119	323	6	2	180	167
Future Volume (veh/h)	871	3	462	7	4	9	119	323	6	2	180	167
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1856	1856	1856	1856	1856	1856
Adj Flow Rate, veh/h	726	312	502	11	6	15	132	359	7	2	207	192
Peak Hour Factor	0.92	0.92	0.92	0.62	0.62	0.62	0.90	0.90	0.90	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	3	3	3	3	3	3
Cap, veh/h	907	329	529	14	8	19	165	919	18	4	298	257
Arrive On Green	0.51	0.51	0.51	0.02	0.02	0.02	0.09	0.26	0.26	0.00	0.17	0.17
Sat Flow, veh/h	1781	645	1038	584	318	796	1767	3534	69	1767	1763	1519
Grp Volume(v), veh/h	726	0	814	32	0	0	132	179	187	2	207	192
Grp Sat Flow(s),veh/h/ln	1781	0	1683	1698	0	0	1767	1763	1840	1767	1763	1519
Q Serve(g_s), s	31.5	0.0	42.9	1.8	0.0	0.0	6.8	7.8	7.8	0.1	10.3	11.2
Cycle Q Clear(g_c), s	31.5	0.0	42.9	1.8	0.0	0.0	6.8	7.8	7.8	0.1	10.3	11.2
Prop In Lane	1.00		0.62	0.34		0.47	1.00		0.04	1.00		1.00
Lane Grp Cap(c), veh/h	907	0	857	41	0	0	165	458	478	4	298	257
V/C Ratio(X)	0.80	0.00	0.95	0.78	0.00	0.00	0.80	0.39	0.39	0.52	0.70	0.75
Avail Cap(c_a), veh/h	954	0	902	546	0	0	568	755	788	568	755	651
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.0	0.0	21.8	45.3	0.0	0.0	41.5	28.5	28.5	46.5	36.5	36.9
Incr Delay (d2), s/veh	4.3	0.0	18.1	11.2	0.0	0.0	3.4	0.7	0.7	63.7	2.5	3.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.9	0.0	19.5	0.9	0.0	0.0	3.1	3.3	3.5	0.1	4.6	4.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.2	0.0	39.9	56.5	0.0	0.0	44.9	29.2	29.2	110.2	39.0	40.6
LnGrp LOS	C	A	D	E	A	A	D	C	C	F	D	D
Approach Vol, veh/h	1540		32			498			401			
Approach Delay, s/veh	32.0		56.5			33.3			40.2			
Approach LOS	C		E			C			D			
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	4.6	29.2		52.4	13.1	20.7		7.2				
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9				
Max Green Setting (Gmax), s	30.0	40.0		50.0	30.0	40.0		30.0				
Max Q Clear Time (g_c+I1), s	2.1	9.8		44.9	8.8	13.2		3.8				
Green Ext Time (p_c), s	0.0	3.0		2.6	0.2	2.3		0.1				
Intersection Summary												
HCM 6th Ctrl Delay	33.9											
HCM 6th LOS	C											
Notes												



# HCM 6th Signalized Intersection Summary

## 76: Westview Pkwy & Mira Lee Way

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔		↔	↔	↔	↔	↔	↔	↔	↔	↔
Traffic Volume (veh/h)	13	8	18	204	3	41	24	579	422	81	405	2
Future Volume (veh/h)	13	8	18	204	3	41	24	579	422	81	405	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.93	1.00		0.95	1.00		0.99	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	20	12	28	243	0	48	25	603	440	88	440	2
Peak Hour Factor	0.65	0.65	0.65	0.85	0.85	0.85	0.96	0.96	0.96	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	66	39	92	547	0	231	38	1450	639	115	1635	7
Arrive On Green	0.12	0.12	0.12	0.15	0.00	0.15	0.02	0.41	0.41	0.06	0.45	0.45
Sat Flow, veh/h	547	328	765	3563	0	1501	1781	3554	1565	1781	3627	16
Grp Volume(v), veh/h	60	0	0	243	0	48	25	603	440	88	215	227
Grp Sat Flow(s),veh/h/ln	640	0	0	1781	0	1501	1781	1777	1565	1781	1777	1867
Q Serve(g_s), s	2.6	0.0	0.0	4.8	0.0	2.1	1.1	9.3	17.8	3.7	5.8	5.8
Cycle Q Clear(g_c), s	2.6	0.0	0.0	4.8	0.0	2.1	1.1	9.3	17.8	3.7	5.8	5.8
Prop In Lane	0.33		0.47	1.00		1.00	1.00		1.00	1.00		0.01
Lane Grp Cap(c), veh/h	197	0	0	547	0	231	38	1450	639	115	801	841
V/C Ratio(X)	0.30	0.00	0.00	0.44	0.00	0.21	0.65	0.42	0.69	0.77	0.27	0.27
Avail Cap(c_a), veh/h	854	0	0	1855	0	782	696	2775	1222	696	1388	1458
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.9	0.0	0.0	29.5	0.0	28.4	37.3	16.2	18.7	35.4	13.2	13.2
Incr Delay (d2), s/veh	0.9	0.0	0.0	0.2	0.0	0.2	6.8	0.3	2.2	4.0	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	2.0	0.0	0.8	0.5	3.4	6.1	1.7	2.1	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	31.7	0.0	0.0	29.8	0.0	28.6	44.1	16.5	20.9	39.4	13.5	13.5
LnGrp LOS	C	A	A	C	A	C	D	B	C	D	B	B
Approach Vol, veh/h	60			291			1068			530		
Approach Delay, s/veh	31.7			29.6			19.0			17.8		
Approach LOS	C			C			B			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.3	36.6		14.1	6.1	39.9		16.7				
Change Period (Y+Rc), s	4.4	5.3		4.9	4.4	5.3		4.9				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+Ib), s	19.8			4.6	3.1	7.8		6.8				
Green Ext Time (p_c), s	0.1	11.6		0.3	0.0	4.6		0.5				

### Intersection Summary

HCM 6th Ctrl Delay 20.6  
HCM 6th LOS C

### Notes

User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 77: Westview Pkwy & Galvin Ave

Existing

Timing Plan: PM Peak



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	LT	RT	LT	TT	TT	LT
Traffic Volume (veh/h)	73	245	141	934	573	23
Future Volume (veh/h)	73	245	141	934	573	23
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.94
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1900	1870	1870	1870	1870
Adj Flow Rate, veh/h	90	302	150	994	616	25
Peak Hour Factor	0.81	0.81	0.94	0.94	0.93	0.93
Percent Heavy Veh, %	2	0	2	2	2	2
Cap, veh/h	443	400	195	1950	1287	538
Arrive On Green	0.25	0.25	0.11	0.55	0.36	0.36
Sat Flow, veh/h	1781	1610	1781	3647	3647	1487
Grp Volume(v), veh/h	90	302	150	994	616	25
Grp Sat Flow(s), veh/h/ln	1781	1610	1781	1777	1777	1487
Q Serve(g_s), s	2.1	9.0	4.2	9.1	6.9	0.6
Cycle Q Clear(g_c), s	2.1	9.0	4.2	9.1	6.9	0.6
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	443	400	195	1950	1287	538
V/C Ratio(X)	0.20	0.75	0.77	0.51	0.48	0.05
Avail Cap(c_a), veh/h	1718	1553	1031	6377	4114	1722
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	15.4	18.0	22.4	7.3	12.8	10.7
Incr Delay (d2), s/veh	0.3	3.7	2.4	0.3	0.4	0.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	0.8	0.4	1.7	2.3	2.3	0.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	15.7	21.7	24.8	7.7	13.2	10.8
LnGrp LOS	B	C	C	A	B	B
Approach Vol, veh/h	392			1144	641	
Approach Delay, s/veh	20.3			9.9	13.1	
Approach LOS	C			A	B	
Timer - Assigned Phs		2		4	5	6
Phs Duration (G+Y+Rc), s		34.4		17.4	9.7	24.8
Change Period (Y+Rc), s		6.0		4.5	4.0	* 6
Max Green Setting (Gmax), s		93.0		50.0	30.0	* 60
Max Q Clear Time (g_c+l1), s		11.1		11.0	6.2	8.9
Green Ext Time (p_c), s		15.1		1.9	0.2	7.6

### Intersection Summary

HCM 6th Ctrl Delay 12.7

HCM 6th LOS B

### Notes

User approved volume balancing among the lanes for turning movement.

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 78: I-15 NB Off-ramp/I-15 NB On-ramp & Carroll Canyon Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↰	↑↑			↑↑		↰	↕	↰			
Traffic Volume (veh/h)	419	625	0	0	689	280	369	10	571	0	0	0
Future Volume (veh/h)	419	625	0	0	689	280	369	10	571	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1885	1885	0	0	1885	1885	1870	1870	1870			
Adj Flow Rate, veh/h	460	687	0	0	725	295	997	0	2824			
Peak Hour Factor	0.91	0.91	0.91	0.95	0.95	0.95	0.25	0.25	0.25			
Percent Heavy Veh, %	1	1	0	0	1	1	2	2	2			
Cap, veh/h	399	1942	0	0	659	268	614	0	1092			
Arrive On Green	0.22	0.54	0.00	0.00	0.27	0.27	0.34	0.00	0.34			
Sat Flow, veh/h	1795	3676	0	0	2555	1001	1781	0	3170			
Grp Volume(v), veh/h	460	687	0	0	528	492	997	0	2824			
Grp Sat Flow(s),veh/h/ln	1795	1791	0	0	1791	1671	1781	0	1585			
Q Serve(g_s), s	20.0	9.8	0.0	0.0	24.1	24.1	31.0	0.0	31.0			
Cycle Q Clear(g_c), s	20.0	9.8	0.0	0.0	24.1	24.1	31.0	0.0	31.0			
Prop In Lane	1.00		0.00	0.00		0.60	1.00		1.00			
Lane Grp Cap(c), veh/h	399	1942	0	0	480	448	614	0	1092			
V/C Ratio(X)	1.15	0.35	0.00	0.00	1.10	1.10	1.62	0.00	2.59			
Avail Cap(c_a), veh/h	399	1942	0	0	480	448	614	0	1092			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(l)	0.18	0.18	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	35.0	11.7	0.0	0.0	33.0	33.0	29.5	0.0	29.5			
Incr Delay (d2), s/veh	74.5	0.1	0.0	0.0	71.2	72.6	288.7	0.0	716.5			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	16.6	3.6	0.0	0.0	19.4	18.3	61.8	0.0	119.9			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	109.5	11.8	0.0	0.0	104.1	105.6	318.2	0.0	746.0			
LnGrp LOS	F	B	A	A	F	F	F	A	F			
Approach Vol, veh/h	1147			1020			3821					
Approach Delay, s/veh	50.9			104.8			634.4					
Approach LOS	D			F			F					
Timer - Assigned Phs	2			5			6			8		
Phs Duration (G+Y+Rc), s	53.9			24.7			29.2			36.1		
Change Period (Y+Rc), s	5.1			* 4.7			5.1			5.1		
Max Green Setting (Gmax), s	48.8			* 20			24.1			31.0		
Max Q Clear Time (g_c+l1), s	11.8			22.0			26.1			33.0		
Green Ext Time (p_c), s	5.2			0.0			0.0			0.0		

### Intersection Summary

HCM 6th Ctrl Delay 432.4  
HCM 6th LOS F

### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 79: I-15 SB On-ramp/I-15 SB Off-ramp & Carroll Canyon Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑		↔	↑↑					↔	↑↑	↔
Traffic Volume (veh/h)	0	854	303	410	628	0	0	0	0	223	2	267
Future Volume (veh/h)	0	854	303	410	628	0	0	0	0	223	2	267
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1885	1885	1885	1885	0				1870	1870	1870
Adj Flow Rate, veh/h	0	871	309	418	641	0				898	0	1068
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98				0.25	0.25	0.25
Percent Heavy Veh, %	0	1	1	1	1	0				2	2	2
Cap, veh/h	0	834	295	299	1942	0				1227	0	546
Arrive On Green	0.00	0.32	0.32	0.06	0.18	0.00				0.34	0.00	0.34
Sat Flow, veh/h	0	2674	912	1795	3676	0				3563	0	1585
Grp Volume(v), veh/h	0	604	576	418	641	0				898	0	1068
Grp Sat Flow(s),veh/h/ln	0	1791	1701	1795	1791	0				1781	0	1585
Q Serve(g_s), s	0.0	29.1	29.1	15.0	14.1	0.0				19.9	0.0	31.0
Cycle Q Clear(g_c), s	0.0	29.1	29.1	15.0	14.1	0.0				19.9	0.0	31.0
Prop In Lane	0.00		0.54	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	579	550	299	1942	0				1227	0	546
V/C Ratio(X)	0.00	1.04	1.05	1.40	0.33	0.00				0.73	0.00	1.96
Avail Cap(c_a), veh/h	0	579	550	299	1942	0				1227	0	546
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	0.82	0.82	0.09	0.09	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	30.5	30.5	42.5	22.7	0.0				25.9	0.0	29.5
Incr Delay (d2), s/veh	0.0	45.6	47.9	180.5	0.0	0.0				2.0	0.0	436.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	19.1	18.5	22.2	6.7	0.0				8.4	0.0	77.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	76.0	78.3	223.0	22.7	0.0				27.9	0.0	466.4
LnGrp LOS	A	F	F	F	C	A				C	A	F
Approach Vol, veh/h		1180			1059						1966	
Approach Delay, s/veh		77.2			101.8						266.1	
Approach LOS		E			F						F	
Timer - Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	19.7	34.2		36.1		53.9						
Change Period (Y+Rc), s	4.7	5.1		5.1		5.1						
Max Green Setting (Gmax), s	15	29.1		31.0		48.8						
Max Q Clear Time (g_c+17),s	17	31.1		33.0		16.1						
Green Ext Time (p_c), s	0.0	0.0		0.0		4.7						

### Intersection Summary

HCM 6th Ctrl Delay	171.7
HCM 6th LOS	F

### Notes

User approved volume balancing among the lanes for turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 80: Kearny Mesa Rd & Miramar Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	36	2497	91	48	1219	21	34	6	136	74	7	32
Future Volume (veh/h)	36	2497	91	48	1219	21	34	6	136	74	7	32
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1796	1724	1796	1796	1724	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	38	2601	95	49	1257	22	41	7	164	100	9	43
Peak Hour Factor	0.96	0.96	0.96	0.97	0.97	0.97	0.83	0.83	0.83	0.74	0.74	0.74
Percent Heavy Veh, %	7	7	7	7	7	7	2	2	2	2	2	2
Cap, veh/h	101	3238	944	62	3086	918	42	4	335	43	2	335
Arrive On Green	0.12	1.00	1.00	0.01	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Sat Flow, veh/h	1711	4904	1429	1711	4904	1459	0	19	1578	0	10	1578
Grp Volume(v), veh/h	38	2601	95	49	1257	22	48	0	164	109	0	43
Grp Sat Flow(s), veh/h/ln	1711	1635	1429	1711	1635	1459	19	0	1578	10	0	1578
Q Serve(g_s), s	3.3	0.0	0.0	4.6	35.5	1.9	0.0	0.0	14.6	0.0	0.0	3.5
Cycle Q Clear(g_c), s	3.3	0.0	0.0	4.6	35.5	1.9	34.0	0.0	14.6	34.0	0.0	3.5
Prop In Lane	1.00		1.00	1.00		1.00	0.85		1.00	0.92		1.00
Lane Grp Cap(c), veh/h	101	3238	944	62	3086	918	46	0	335	45	0	335
V/C Ratio(X)	0.38	0.80	0.10	0.78	0.41	0.02	1.05	0.00	0.49	2.41	0.00	0.13
Avail Cap(c_a), veh/h	109	3238	944	129	3086	918	46	0	335	45	0	335
HCM Platoon Ratio	2.00	2.00	2.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	0.28	0.28	0.28	0.82	0.82	0.82	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	67.9	0.0	0.0	78.4	37.6	24.3	77.0	0.0	55.4	78.4	0.0	51.0
Incr Delay (d2), s/veh	0.2	0.6	0.1	6.5	0.3	0.0	148.1	0.0	0.4	696.0	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	0.2	0.0	2.1	15.7	0.6	3.8	0.0	5.9	10.6	0.0	1.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	68.1	0.6	0.1	84.9	37.9	24.3	225.2	0.0	55.8	774.4	0.0	51.1
LnGrp LOS	E	A	A	F	D	C	F	A	E	F	A	D
Approach Vol, veh/h	2734			1328			212			152		
Approach Delay, s/veh	1.5			39.4			94.1			569.8		
Approach LOS	A			D			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	10.2	110.9		38.9	14.6	106.5		38.9				
Change Period (Y+Rc), s	4.4	5.2		4.9	5.2	5.8		4.9				
Max Green Setting (Gmax), s	10.2	99.4		34.0	10.2	112.0		34.0				
Max Q Clear Time (g_c+I), s	10.2	2.0		36.0	5.3	37.5		36.0				
Green Ext Time (p_c), s	0.0	76.1		0.0	0.0	13.2		0.0				

### Intersection Summary

HCM 6th Ctrl Delay	36.9
HCM 6th LOS	D

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 81: Camino Santa Fe & Top Gun St

Existing  
Timing Plan: PM Peak



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	527	291	96	445	293	83
Future Volume (veh/h)	527	291	96	445	293	83
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	573	316	103	478	326	92
Peak Hour Factor	0.92	0.92	0.93	0.93	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	663	590	134	1376	776	344
Arrive On Green	0.37	0.37	0.08	0.39	0.22	0.22
Sat Flow, veh/h	1781	1585	1781	3647	3647	1574
Grp Volume(v), veh/h	573	316	103	478	326	92
Grp Sat Flow(s), veh/h/ln	1781	1585	1781	1777	1777	1574
Q Serve(g_s), s	14.0	7.3	2.7	4.5	3.7	2.3
Cycle Q Clear(g_c), s	14.0	7.3	2.7	4.5	3.7	2.3
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	663	590	134	1376	776	344
V/C Ratio(X)	0.86	0.54	0.77	0.35	0.42	0.27
Avail Cap(c_a), veh/h	1516	1349	1137	7147	4538	2010
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	13.6	11.6	21.3	10.2	15.8	15.2
Incr Delay (d2), s/veh	1.4	0.3	3.5	0.2	0.4	0.4
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%), veh/ln	4.7	6.8	1.1	1.3	1.2	0.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	15.0	11.8	24.8	10.4	16.2	15.7
LnGrp LOS	B	B	C	B	B	B
Approach Vol, veh/h	889			581	418	
Approach Delay, s/veh	13.9			12.9	16.1	
Approach LOS	B			B	B	
Timer - Assigned Phs	2			4	5	6
Phs Duration (G+Y+Rc), s	24.6			22.4	7.9	16.7
Change Period (Y+Rc), s	* 6.4			4.9	4.4	6.4
Max Green Setting (Gmax), s	* 95			40.0	30.0	60.0
Max Q Clear Time (g_c+l1), s	6.5			16.0	4.7	5.7
Green Ext Time (p_c), s	3.9			1.5	0.1	2.4
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			14.1			
HCM 6th LOS			B			
<b>Notes</b>						
User approved ignoring U-Turning movement.						
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.						

# HCM 6th Signalized Intersection Summary

## 82: Camino Santa Fe & Miratech Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	142	0	50	0	0	0	6	1168	0	1	447	12
Future Volume (veh/h)	142	0	50	0	0	0	6	1168	0	1	447	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	225	0	47	0	0	0	6	1204	0	1	520	14
Peak Hour Factor	0.70	0.70	0.70	0.25	0.25	0.25	0.97	0.97	0.97	0.86	0.86	0.86
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	0	2	2	2
Cap, veh/h	554	0	247	0	4	0	22	2501	0	4	2474	758
Arrive On Green	0.16	0.00	0.16	0.00	0.00	0.00	0.01	0.49	0.00	0.00	0.48	0.48
Sat Flow, veh/h	3563	0	1585	0	1870	0	3456	5274	0	1781	5106	1564
Grp Volume(v), veh/h	225	0	47	0	0	0	6	1204	0	1	520	14
Grp Sat Flow(s),veh/h/ln	1781	0	1585	0	1870	0	1728	1702	0	1781	1702	1564
Q Serve(g_s), s	2.5	0.0	1.1	0.0	0.0	0.0	0.1	6.8	0.0	0.0	2.5	0.2
Cycle Q Clear(g_c), s	2.5	0.0	1.1	0.0	0.0	0.0	0.1	6.8	0.0	0.0	2.5	0.2
Prop In Lane	1.00		1.00	0.00		0.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	554	0	247	0	4	0	22	2501	0	4	2474	758
V/C Ratio(X)	0.41	0.00	0.19	0.00	0.00	0.00	0.27	0.48	0.00	0.24	0.21	0.02
Avail Cap(c_a), veh/h	3292	0	1465	0	1556	0	2395	7078	0	1235	7078	2168
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	16.5	0.0	15.9	0.0	0.0	0.0	21.4	7.4	0.0	21.6	6.4	5.8
Incr Delay (d2), s/veh	0.2	0.0	0.1	0.0	0.0	0.0	2.4	0.2	0.0	10.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.8	0.0	0.4	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	16.7	0.0	16.0	0.0	0.0	0.0	23.8	7.5	0.0	32.5	6.4	5.8
LnGrp LOS	B	A	B	A	A	A	C	A	A	C	A	A
Approach Vol, veh/h	272			0			1210			535		
Approach Delay, s/veh	16.5			0.0			7.6			6.5		
Approach LOS	B						A			A		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	4.4	27.2		11.6	4.7	27.0		0.0				
Change Period (Y+Rc), s	4.4	6.0		4.9	4.4	6.0		4.4				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		36.0				
Max Q Clear Time (g_c+I), s	12.0	8.8		4.5	2.1	4.5		0.0				
Green Ext Time (p_c), s	0.0	12.4		0.5	0.0	3.9		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 8.5  
HCM 6th LOS A

### Notes

User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.



# HCM 6th Signalized Intersection Summary 83: Camino Santa Fe & Summers Ridge Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBR	NBL	NBT	SBU	SBT	SBR
Lane Configurations							
Traffic Volume (veh/h)	13	68	12	1162	0	502	5
Future Volume (veh/h)	13	68	12	1162	0	502	5
Initial Q (Qb), veh	0	0	0	0		0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00				0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00		1.00	1.00
Work Zone On Approach	No			No		No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870		1870	1870
Adj Flow Rate, veh/h	20	105	13	1236		552	5
Peak Hour Factor	0.65	0.65	0.94	0.94		0.91	0.91
Percent Heavy Veh, %	2	2	2	2		2	2
Cap, veh/h	245	384	47	2823		2138	650
Arrive On Green	0.14	0.14	0.01	0.55		0.42	0.42
Sat Flow, veh/h	1781	2790	3456	5274		5274	1552
Grp Volume(v), veh/h	20	105	13	1236		552	5
Grp Sat Flow(s),veh/h/ln	1781	1395	1728	1702		1702	1552
Q Serve(g_s), s	0.4	1.2	0.1	5.2		2.6	0.1
Cycle Q Clear(g_c), s	0.4	1.2	0.1	5.2		2.6	0.1
Prop In Lane	1.00	1.00	1.00				1.00
Lane Grp Cap(c), veh/h	245	384	47	2823		2138	650
V/C Ratio(X)	0.08	0.27	0.28	0.44		0.26	0.01
Avail Cap(c_a), veh/h	1951	3056	2839	8445		8389	2550
HCM Platoon Ratio	1.00	1.00	1.00	1.00		1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00		1.00	1.00
Uniform Delay (d), s/veh	13.7	14.1	17.8	4.8		6.9	6.2
Incr Delay (d2), s/veh	0.1	0.1	1.2	0.1		0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0		0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.0	0.0	0.4		0.4	0.0
Unsig. Movement Delay, s/veh							
LnGrp Delay(d),s/veh	13.8	14.2	19.0	4.9		7.0	6.2
LnGrp LOS	B	B	B	A		A	A
Approach Vol, veh/h	125			1249		557	
Approach Delay, s/veh	14.2			5.1		7.0	
Approach LOS	B			A		A	
Timer - Assigned Phs		2		4	5		6
Phs Duration (G+Y+Rc), s		26.6		9.9	4.9		21.7
Change Period (Y+Rc), s		* 6.4		4.9	4.4		6.4
Max Green Setting (Gmax), s		* 60		40.0	30.0		60.0
Max Q Clear Time (g_c+l1), s		7.2		3.2	2.1		4.6
Green Ext Time (p_c), s		13.0		0.2	0.0		4.2

## Intersection Summary

HCM 6th Ctrl Delay	6.2
HCM 6th LOS	A

## Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary

## 84: Camino Santa Fe & Trade St

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕		↕	↕	↕	↕	↕	↕
Traffic Volume (veh/h)	10	6	28	152	3	105	4	1027	114	64	537	2
Future Volume (veh/h)	10	6	28	152	3	105	4	1027	114	64	537	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	17	10	48	146	38	118	4	1141	127	67	565	2
Peak Hour Factor	0.58	0.58	0.58	0.89	0.89	0.89	0.90	0.90	0.90	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	22	13	63	258	58	180	8	1750	763	87	1908	831
Arrive On Green	0.06	0.06	0.06	0.14	0.14	0.14	0.00	0.49	0.49	0.05	0.54	0.54
Sat Flow, veh/h	376	221	1063	1781	401	1245	1781	3554	1551	1781	3554	1549
Grp Volume(v), veh/h	75	0	0	146	0	156	4	1141	127	67	565	2
Grp Sat Flow(s),veh/h/ln	660	0	0	1781	0	1646	1781	1777	1551	1781	1777	1549
Q Serve(g_s), s	3.5	0.0	0.0	6.0	0.0	7.0	0.2	18.7	3.5	2.9	6.8	0.0
Cycle Q Clear(g_c), s	3.5	0.0	0.0	6.0	0.0	7.0	0.2	18.7	3.5	2.9	6.8	0.0
Prop In Lane	0.23		0.64	1.00		0.76	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	98	0	0	258	0	238	8	1750	763	87	1908	831
V/C Ratio(X)	0.76	0.00	0.00	0.57	0.00	0.65	0.53	0.65	0.17	0.77	0.30	0.00
Avail Cap(c_a), veh/h	851	0	0	890	0	822	684	2731	1192	684	2731	1190
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.2	0.0	0.0	31.1	0.0	31.5	38.8	14.8	11.0	36.7	10.0	8.4
Incr Delay (d2), s/veh	4.5	0.0	0.0	3.2	0.0	4.9	19.5	0.7	0.2	5.3	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	0.0	0.0	2.6	0.0	2.9	0.1	6.6	1.1	1.3	2.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	40.7	0.0	0.0	34.3	0.0	36.5	58.3	15.5	11.1	42.1	10.1	8.4
LnGrp LOS	D	A	A	C	A	D	E	B	B	D	B	A
Approach Vol, veh/h	75			302			1272			634		
Approach Delay, s/veh	40.7			35.4			15.2			13.5		
Approach LOS	D			D			B			B		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	43.7			9.5	4.7	47.2		16.6				
Change Period (Y+Rc), s	4.4	5.3		4.9	4.4	5.3		5.3				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		39.0				
Max Q Clear Time (g_c+I), s	20.7			5.5	2.2	8.8		9.0				
Green Ext Time (p_c), s	0.1	17.7		0.3	0.0	6.4		2.3				

### Intersection Summary

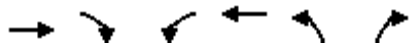
HCM 6th Ctrl Delay 18.2  
HCM 6th LOS B

### Notes

User approved volume balancing among the lanes for turning movement.  
User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary 85: Nancy Ridge Rd & Carroll Canyon Rd

Existing  
Timing Plan: PM Peak



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↵	↑↑	↵	↵
Traffic Volume (veh/h)	316	56	7	601	211	48
Future Volume (veh/h)	316	56	7	601	211	48
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.98	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1885	1885	1885	1885	1870	1870
Adj Flow Rate, veh/h	343	61	8	675	248	56
Peak Hour Factor	0.92	0.92	0.89	0.89	0.85	0.85
Percent Heavy Veh, %	1	1	1	1	2	2
Cap, veh/h	923	162	446	1599	341	304
Arrive On Green	0.30	0.30	0.01	0.45	0.19	0.19
Sat Flow, veh/h	3128	533	1795	3676	1781	1585
Grp Volume(v), veh/h	201	203	8	675	248	56
Grp Sat Flow(s), veh/h/ln	1791	1776	1795	1791	1781	1585
Q Serve(g_s), s	2.9	3.0	0.1	4.2	4.3	1.0
Cycle Q Clear(g_c), s	2.9	3.0	0.1	4.2	4.3	1.0
Prop In Lane		0.30	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	545	540	446	1599	341	304
V/C Ratio(X)	0.37	0.38	0.02	0.42	0.73	0.18
Avail Cap(c_a), veh/h	3268	3240	2069	10283	2167	1928
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	9.0	9.0	6.9	6.2	12.5	11.1
Incr Delay (d2), s/veh	0.5	0.6	0.0	0.2	1.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.7	0.0	0.7	1.3	0.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	9.5	9.5	6.9	6.4	13.6	11.2
LnGrp LOS	A	A	A	A	B	B
Approach Vol, veh/h	404			683	304	
Approach Delay, s/veh	9.5			6.4	13.2	
Approach LOS	A			A	B	
Timer - Assigned Phs	1	2		6	8	
Phs Duration (G+Y+Rc), s	4.7	16.0		20.7	12.2	
Change Period (Y+Rc), s	4.4	6.0		6.0	5.9	
Max Green Setting (Gmax), s	30.0	60.0		94.4	40.0	
Max Q Clear Time (g_c+I), s	11.1	5.0		6.2	6.3	
Green Ext Time (p_c), s	0.0	3.1		6.5	0.4	
<b>Intersection Summary</b>						
HCM 6th Ctrl Delay			8.8			
HCM 6th LOS			A			

# HCM 6th Signalized Intersection Summary

## 86: Rehco Rd & Carroll Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	688	4	11	226	22	9	3	42	180	2	35
Future Volume (veh/h)	5	688	4	11	226	22	9	3	42	180	2	35
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	6	791	5	13	276	27	10	3	47	257	3	50
Peak Hour Factor	0.87	0.87	0.87	0.82	0.82	0.82	0.90	0.90	0.90	0.70	0.70	0.70
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	614	960	795	260	960	793	123	62	346	456	4	61
Arrive On Green	0.51	0.51	0.51	0.51	0.51	0.51	0.27	0.27	0.27	0.27	0.27	0.27
Sat Flow, veh/h	1076	1870	1550	682	1870	1546	128	232	1303	1189	14	231
Grp Volume(v), veh/h	6	791	5	13	276	27	60	0	0	310	0	0
Grp Sat Flow(s),veh/h/ln	1076	1870	1550	682	1870	1546	1663	0	0	1434	0	0
Q Serve(g_s), s	0.2	16.8	0.1	0.8	4.0	0.4	0.0	0.0	0.0	8.1	0.0	0.0
Cycle Q Clear(g_c), s	4.1	16.8	0.1	17.5	4.0	0.4	1.3	0.0	0.0	9.4	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	0.17		0.78	0.83		0.16
Lane Grp Cap(c), veh/h	614	960	795	260	960	793	531	0	0	521	0	0
V/C Ratio(X)	0.01	0.82	0.01	0.05	0.29	0.03	0.11	0.00	0.00	0.59	0.00	0.00
Avail Cap(c_a), veh/h	1207	1990	1648	627	1966	1625	1109	0	0	1039	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	7.7	9.7	5.6	17.1	6.5	5.7	13.2	0.0	0.0	16.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	1.7	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	4.3	0.0	0.1	1.1	0.1	0.4	0.0	0.0	2.7	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	7.7	11.3	5.6	17.1	6.7	5.7	13.2	0.0	0.0	16.4	0.0	0.0
LnGrp LOS	A	B	A	B	A	A	B	A	A	B	A	A
Approach Vol, veh/h	802			316			60			310		
Approach Delay, s/veh	11.3			7.0			13.2			16.4		
Approach LOS	B			A			B			B		
Timer - Assigned Phs	2			4			6			8		
Phs Duration (G+Y+Rc), s	29.6			17.4			29.6			17.4		
Change Period (Y+Rc), s	* 5.5			4.9			5.5			4.9		
Max Green Setting (Gmax), s	* 50			30.0			49.4			30.0		
Max Q Clear Time (g_c+l1), s	18.8			11.4			19.5			3.3		
Green Ext Time (p_c), s	5.3			1.2			1.7			0.2		

### Intersection Summary

HCM 6th Ctrl Delay	11.5
HCM 6th LOS	B

### Notes

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

# HCM 6th Signalized Intersection Summary 87: Carroll Rd & Kenamar Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔	↔	↔	↑	↔	↔	↑	↔
Traffic Volume (veh/h)	0	0	2	154	0	22	1	147	104	27	477	0
Future Volume (veh/h)	0	0	2	154	0	22	1	147	104	27	477	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	0	0	4	217	0	31	1	177	125	31	555	0
Peak Hour Factor	0.50	0.50	0.50	0.71	0.71	0.71	0.83	0.83	0.83	0.86	0.86	0.86
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	0	0	7	318	0	281	4	700	861	52	753	638
Arrive On Green	0.00	0.00	0.00	0.18	0.00	0.18	0.00	0.37	0.37	0.03	0.40	0.00
Sat Flow, veh/h	0	0	1576	1781	0	1576	1781	1870	1543	1781	1870	1585
Grp Volume(v), veh/h	0	0	4	217	0	31	1	177	125	31	555	0
Grp Sat Flow(s),veh/h/ln	0	0	1576	1781	0	1576	1781	1870	1543	1781	1870	1585
Q Serve(g_s), s	0.0	0.0	0.1	4.5	0.0	0.7	0.0	2.6	1.6	0.7	10.1	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.1	4.5	0.0	0.7	0.0	2.6	1.6	0.7	10.1	0.0
Prop In Lane	0.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	0	0	7	318	0	281	4	700	861	52	753	638
V/C Ratio(X)	0.00	0.00	0.58	0.68	0.00	0.11	0.22	0.25	0.15	0.60	0.74	0.00
Avail Cap(c_a), veh/h	0	0	1580	1787	0	1581	1340	2814	2605	1340	2814	2385
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	19.8	15.3	0.0	13.7	19.9	8.6	4.3	19.1	10.1	0.0
Incr Delay (d2), s/veh	0.0	0.0	26.0	1.0	0.0	0.1	9.1	0.2	0.1	4.0	1.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.1	1.6	0.0	0.2	0.0	0.8	0.5	0.3	3.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	45.8	16.3	0.0	13.8	29.0	8.8	4.4	23.2	11.6	0.0
LnGrp LOS	A	A	D	B	A	B	C	A	A	C	B	A
Approach Vol, veh/h	4		248			303			586			
Approach Delay, s/veh	45.8		16.0			7.1			12.2			
Approach LOS	D		B			A			B			
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	19.4		4.2		4.0	20.6	11.1					
Change Period (Y+Rc), s	4.0	4.5	4.0		4.0	4.5	4.0					
Max Green Setting (Gmax), s	30.0	60.0	40.0		30.0	60.0	40.0					
Max Q Clear Time (g_c+I), s	4.6		2.1		2.0	12.1	6.5					
Green Ext Time (p_c), s	0.0	1.5	0.0		0.0	4.0	0.9					
Intersection Summary												
HCM 6th Ctrl Delay	11.8											
HCM 6th LOS	B											

# HCM 6th Signalized Intersection Summary

## 88: Camino Ruiz & Teresa Dr/Capricorn Wy

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔	↔		↔	↔	↔	↔	↔	↔	↔	↔
Traffic Volume (veh/h)	18	46	41	178	54	70	53	425	189	303	741	2
Future Volume (veh/h)	18	46	41	178	54	70	53	425	189	303	741	2
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1811	1811	1811	1525	1811	1811
Adj Flow Rate, veh/h	23	60	53	189	57	74	58	462	205	322	788	2
Peak Hour Factor	0.77	0.77	0.77	0.94	0.94	0.94	0.92	0.92	0.92	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	6	6	6	6	6	6
Cap, veh/h	48	102	651	67	8	660	74	646	278	349	1325	569
Arrive On Green	0.42	0.42	0.42	0.42	0.42	0.42	0.04	0.19	0.19	0.24	0.38	0.38
Sat Flow, veh/h	0	244	1557	0	20	1577	1725	3441	1482	1452	3441	1477
Grp Volume(v), veh/h	83	0	53	246	0	74	58	462	205	322	788	2
Grp Sat Flow(s),veh/h/ln	244	0	1557	20	0	1577	1725	1721	1482	1452	1721	1477
Q Serve(g_s), s	0.0	0.0	2.0	0.0	0.0	2.7	3.2	12.0	12.5	20.7	17.5	0.1
Cycle Q Clear(g_c), s	40.0	0.0	2.0	40.0	0.0	2.7	3.2	12.0	12.5	20.7	17.5	0.1
Prop In Lane	0.28		1.00	0.77		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	150	0	651	75	0	660	74	646	278	349	1325	569
V/C Ratio(X)	0.55	0.00	0.08	3.29	0.00	0.11	0.78	0.72	0.74	0.92	0.59	0.00
Avail Cap(c_a), veh/h	150	0	651	75	0	660	541	2159	930	456	2159	927
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.3	0.0	16.8	43.4	0.0	17.0	45.3	36.4	36.6	35.5	23.5	18.1
Incr Delay (d2), s/veh	2.6	0.0	0.0	1063.8	0.0	0.0	6.5	0.6	1.4	18.4	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	0.0	0.7	23.9	0.0	1.0	1.5	4.9	4.4	8.7	6.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.9	0.0	16.8	1107.2	0.0	17.0	51.8	37.0	38.1	53.9	23.9	18.1
LnGrp LOS	C	A	B	F	A	B	D	D	D	D	C	B
Approach Vol, veh/h	136			320			725			1112		
Approach Delay, s/veh	22.3			855.1			38.5			32.6		
Approach LOS	C			F			D			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	27.4	23.3		44.9	8.5	42.2		44.9				
Change Period (Y+Rc), s	4.4	5.4		4.9	4.4	5.4		4.9				
Max Green Setting (Gmax), s	30.0	60.0		40.0	30.0	60.0		40.0				
Max Q Clear Time (g_c+2.0), s	22.7	14.5		42.0	5.2	19.5		42.0				
Green Ext Time (p_c), s	0.3	2.3		0.0	0.1	6.5		0.0				

### Intersection Summary

HCM 6th Ctrl Delay 148.6

HCM 6th LOS F

### Notes












User approved ignoring U-Turning movement.

# HCM 6th Signalized Intersection Summary

## 89: Camino Ruiz & Gold Coast Dr

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	85	291	172	54	104	80	74	968	71	178	529	103
Future Volume (veh/h)	85	291	172	54	104	80	74	968	71	178	529	103
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.96	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1550	1841	1841	1841	1841	1841
Adj Flow Rate, veh/h	91	313	185	61	117	90	80	1052	77	202	601	117
Peak Hour Factor	0.93	0.93	0.93	0.89	0.89	0.89	0.92	0.92	0.92	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	4	4	4	4	4	4
Cap, veh/h	115	406	334	78	190	146	97	1196	514	367	1725	745
Arrive On Green	0.06	0.22	0.22	0.04	0.20	0.20	0.07	0.34	0.34	0.21	0.49	0.49
Sat Flow, veh/h	1781	1870	1539	1781	966	743	1476	3497	1504	1753	3497	1511
Grp Volume(v), veh/h	91	313	185	61	0	207	80	1052	77	202	601	117
Grp Sat Flow(s),veh/h/ln	1781	1870	1539	1781	0	1710	1476	1749	1504	1753	1749	1511
Q Serve(g_s), s	5.3	16.5	11.2	3.6	0.0	11.6	5.6	29.7	3.0	10.8	11.0	4.5
Cycle Q Clear(g_c), s	5.3	16.5	11.2	3.6	0.0	11.6	5.6	29.7	3.0	10.8	11.0	4.5
Prop In Lane	1.00		1.00	1.00		0.43	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	115	406	334	78	0	336	97	1196	514	367	1725	745
V/C Ratio(X)	0.79	0.77	0.55	0.78	0.00	0.62	0.83	0.88	0.15	0.55	0.35	0.16
Avail Cap(c_a), veh/h	132	599	493	81	0	498	142	1196	514	367	1725	745
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.4	38.7	36.6	49.7	0.0	38.6	48.5	32.5	15.1	37.1	16.3	14.6
Incr Delay (d2), s/veh	20.7	4.5	1.8	32.7	0.0	0.7	14.5	9.4	0.6	1.0	0.6	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	8.1	4.4	2.3	0.0	5.0	2.4	13.5	1.4	4.6	4.3	1.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	69.1	43.1	38.4	82.4	0.0	39.3	63.0	41.9	15.7	38.1	16.8	15.1
LnGrp LOS	E	D	D	F	A	D	E	D	B	D	B	B
Approach Vol, veh/h	589			268			1209			920		
Approach Delay, s/veh	45.7			49.1			41.6			21.3		
Approach LOS	D			D			D			C		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc),s	37.2	41.1	9.0	27.7	11.3	57.0	11.2	25.5				
Change Period (Y+Rc), s	5.2	* 5.2	4.4	4.9	4.4	5.2	4.4	4.9				
Max Green Setting (Gmax),s	36	* 36	4.8	33.6	10.1	37.6	7.8	30.6				
Max Q Clear Time (g_c+1),s	31.7	31.7	5.6	18.5	7.6	13.0	7.3	13.6				
Green Ext Time (p_c), s	0.0	2.9	0.0	3.0	0.0	5.7	0.0	0.8				

### Intersection Summary

HCM 6th Ctrl Delay 36.8

HCM 6th LOS D

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.













# HCM 6th Signalized Intersection Summary

## 90: Westview Pkwy & Capricorn Wy/Dauntless St

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	47	35	212	42	14	6	176	384	62	3	232	13
Future Volume (veh/h)	47	35	212	42	14	6	176	384	62	3	232	13
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1796	1870	1870	1796
Adj Flow Rate, veh/h	55	41	249	63	21	9	189	413	67	3	255	14
Peak Hour Factor	0.85	0.85	0.85	0.67	0.67	0.67	0.93	0.93	0.93	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	341	213	392	424	308	132	248	1288	543	6	804	329
Arrive On Green	0.25	0.25	0.25	0.25	0.25	0.25	0.14	0.36	0.36	0.00	0.23	0.23
Sat Flow, veh/h	744	858	1579	1087	1241	532	1781	3554	1499	1781	3554	1453
Grp Volume(v), veh/h	96	0	249	63	0	30	189	413	67	3	255	14
Grp Sat Flow(s),veh/h/ln	602	0	1579	1087	0	1772	1781	1777	1499	1781	1777	1453
Q Serve(g_s), s	0.0	0.0	5.1	1.8	0.0	0.5	3.7	3.0	1.1	0.1	2.2	0.3
Cycle Q Clear(g_c), s	1.5	0.0	5.1	3.2	0.0	0.5	3.7	3.0	1.1	0.1	2.2	0.3
Prop In Lane	0.57		1.00	1.00		0.30	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	554	0	392	424	0	440	248	1288	543	6	804	329
V/C Ratio(X)	0.17	0.00	0.63	0.15	0.00	0.07	0.76	0.32	0.12	0.51	0.32	0.04
Avail Cap(c_a), veh/h	1879	0	1742	1353	0	1955	1473	5878	2479	1473	5927	2423
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.8	0.0	12.2	12.1	0.0	10.4	15.0	8.3	7.7	18.0	11.7	11.0
Incr Delay (d2), s/veh	0.1	0.0	1.5	0.1	0.0	0.0	1.8	0.2	0.1	23.5	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.0	1.6	0.4	0.0	0.2	1.3	0.8	0.2	0.1	0.6	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	10.9	0.0	13.7	12.1	0.0	10.4	16.9	8.5	7.9	41.5	12.0	11.0
LnGrp LOS	B	A	B	B	A	B	B	A	A	D	B	B
Approach Vol, veh/h	345					93		669		272		
Approach Delay, s/veh	12.9					11.6		10.8		12.2		
Approach LOS	B					B		B		B		
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	4.1	18.6	13.5		9.1	13.7	13.5					
Change Period (Y+Rc), s	4.0	5.5	4.5		4.0	* 5.5	* 4.5					
Max Green Setting (Gmax), s	30.0	60.0	40.0		30.0	* 61	* 40					
Max Q Clear Time (g_c+I), s	12.1	5.0	7.1		5.7	4.2	5.2					
Green Ext Time (p_c), s	0.0	4.4	1.3		0.2	1.9	0.2					

### Intersection Summary

HCM 6th Ctrl Delay 11.7

HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 6th AWSC  
91: Camino Ruiz & Aquarius Dr

Existing  
Timing Plan: PM Peak

Intersection

Intersection Delay, s/veh 79

Intersection LOS F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕	↕		↕	↕	
Traffic Vol, veh/h	2	21	33	62	14	97	0	42	227	133	503	940	3
Future Vol, veh/h	2	21	33	62	14	97	0	42	227	133	503	940	3
Peak Hour Factor	0.78	0.78	0.78	0.86	0.86	0.86	0.92	0.87	0.87	0.87	0.90	0.90	0.90
Heavy Vehicles, %	2	2	2	2	2	2	6	6	6	6	6	6	6
Mvmt Flow	3	27	42	72	16	113	0	48	261	153	559	1044	3
Number of Lanes	0	1	0	0	1	0	0	1	2	0	1	2	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	3	3
Conflicting Approach Left SB		NB	EB	WB
Conflicting Lanes Left	3	3	1	1
Conflicting Approach Right NB		SB	WB	EB
Conflicting Lanes Right	3	3	1	1
HCM Control Delay	13.4	18.3	16	107.6
HCM LOS	B	C	C	F













Lane	NBLn1	NBLn2	NBLn3	EBLn1	WBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	100%	0%	0%	4%	36%	100%	0%	0%
Vol Thru, %	0%	100%	36%	38%	8%	0%	100%	99%
Vol Right, %	0%	0%	64%	59%	56%	0%	0%	1%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	42	151	209	56	173	503	627	316
LT Vol	42	0	0	2	62	503	0	0
Through Vol	0	151	76	21	14	0	627	313
RT Vol	0	0	133	33	97	0	0	3
Lane Flow Rate	48	174	240	72	201	559	696	351
Geometry Grp	7	7	7	7	7	7	7	7
Degree of Util (X)	0.109	0.369	0.48	0.169	0.46	1.104	1.277	0.644
Departure Headway (Hd)	8.577	8.064	7.605	8.86	8.557	7.112	6.601	6.594
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	420	449	477	407	424	509	550	545
Service Time	6.277	5.764	5.305	6.56	6.257	4.899	4.387	4.38
HCM Lane V/C Ratio	0.114	0.388	0.503	0.177	0.474	1.098	1.265	0.644
HCM Control Delay	12.3	15.4	17.1	13.4	18.3	97.5	159.6	20.7
HCM Lane LOS	B	C	C	B	C	F	F	C
HCM 95th-tile Q	0.4	1.7	2.6	0.6	2.4	18	27.9	4.6

# HCM 6th Signalized Intersection Summary

## 92: Pacific Heights Blvd & Barnes Canyon Rd

Existing  
Timing Plan: PM Peak



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	64	23	207	46	22	9	148	82	58	29	441	120
Future Volume (veh/h)	64	23	207	46	22	9	148	82	58	29	441	120
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.98	0.99		0.98	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1575	1870	1870	1870	1870	1870	1575	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	70	25	227	55	26	11	168	93	66	31	469	128
Peak Hour Factor	0.91	0.91	0.91	0.84	0.84	0.84	0.88	0.88	0.88	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	421	472	393	423	313	132	270	842	543	50	956	259
Arrive On Green	0.25	0.25	0.25	0.25	0.25	0.25	0.09	0.41	0.41	0.03	0.35	0.35
Sat Flow, veh/h	1137	1870	1559	1115	1241	525	2910	2046	1319	1781	2752	745
Grp Volume(v), veh/h	70	25	227	55	0	37	168	80	79	31	302	295
Grp Sat Flow(s),veh/h/ln	1137	1870	1559	1115	0	1765	1455	1777	1589	1781	1777	1720
Q Serve(g_s), s	2.4	0.5	6.0	1.9	0.0	0.8	2.6	1.3	1.5	0.8	6.3	6.4
Cycle Q Clear(g_c), s	3.1	0.5	6.0	2.3	0.0	0.8	2.6	1.3	1.5	0.8	6.3	6.4
Prop In Lane	1.00		1.00	1.00		0.30	1.00		0.83	1.00		0.43
Lane Grp Cap(c), veh/h	421	472	393	423	0	445	270	731	654	50	617	597
V/C Ratio(X)	0.17	0.05	0.58	0.13	0.00	0.08	0.62	0.11	0.12	0.61	0.49	0.49
Avail Cap(c_a), veh/h	1100	1589	1324	1088	0	1499	1854	2264	2024	1135	2264	2191
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.6	13.3	15.4	14.2	0.0	13.5	20.6	8.5	8.6	22.6	12.1	12.1
Incr Delay (d2), s/veh	0.3	0.1	2.3	0.1	0.0	0.0	0.9	0.2	0.2	4.5	1.0	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.2	2.0	0.4	0.0	0.3	0.8	0.4	0.4	0.4	2.2	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	15.0	13.4	17.7	14.3	0.0	13.5	21.5	8.7	8.8	27.1	13.1	13.2
LnGrp LOS	B	B	B	B	A	B	C	A	A	C	B	B
Approach Vol, veh/h	322			92			327			628		
Approach Delay, s/veh	16.8			14.0			15.3			13.8		
Approach LOS	B			B			B			B		
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	7.0	24.6	16.8		8.8	21.6	16.8					
Change Period (Y+Rc), s	4.4	* 5.2	4.9		4.4	5.2	4.9					
Max Green Setting (Gmax), s	30.0	* 60	40.0		30.0	60.0	40.0					
Max Q Clear Time (g_c+I), s	17.8	3.5	8.0		4.6	8.4	4.3					
Green Ext Time (p_c), s	0.0	2.4	2.3		0.3	7.6	0.2					

### Intersection Summary

HCM 6th Ctrl Delay 14.9

HCM 6th LOS B

### Notes

User approved ignoring U-Turning movement.

\* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



## Queues

Existing

## 1: Vista Sorrento Pkwy &amp; Sorrento Valley Blvd

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	152	933	36	585	415	1360	267	358	111
v/c Ratio	0.78	0.83	0.47	0.69	0.83	1.35	0.86	0.57	0.20
Control Delay	98.3	58.6	100.5	49.1	69.2	204.3	90.0	63.7	9.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	98.3	58.6	100.5	49.1	69.2	204.3	90.0	63.7	9.7
Queue Length 50th (ft)	162	487	39	237	462	~1054	309	194	13
Queue Length 95th (ft)	249	606	84	334	#816	#1434	461	268	56
Internal Link Dist (ft)		582		460		1722		659	
Turn Bay Length (ft)	315		275		275		150		125
Base Capacity (vph)	324	1291	324	1234	501	1009	602	1222	670
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.47	0.72	0.11	0.47	0.83	1.35	0.44	0.29	0.17

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

Existing

## 2: Camino Santa Fe &amp; Sorrento Valley Blvd/Calle Cristobal

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR
Lane Group Flow (vph)	1	1424	335	87	157	224	365	368
v/c Ratio	0.01	0.75	0.36	0.31	0.07	0.65	0.65	0.83
Control Delay	47.0	19.1	5.7	44.6	6.2	43.2	11.1	41.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	47.0	19.1	5.7	44.6	6.2	43.2	11.1	41.5
Queue Length 50th (ft)	1	294	32	23	13	117	12	169
Queue Length 95th (ft)	6	458	89	55	36	234	114	326
Internal Link Dist (ft)		855			1053		1639	
Turn Bay Length (ft)	250		250	270		365		
Base Capacity (vph)	623	2445	1139	1186	2532	789	854	844
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.58	0.29	0.07	0.06	0.28	0.43	0.44
Intersection Summary								

Queues  
3: Camino Ruiz & Calle Cristobal

Existing  
Timing Plan: PM Peak

	→	↘	←	↙	↑	↗	↓
Lane Group	EBT	EBR	WBT	NBL	NBT	NBR	SBT
Lane Group Flow (vph)	5	1576	8	363	41	4	28
v/c Ratio	0.02	0.64	0.02	0.14	0.03	0.00	0.05
Control Delay	29.8	2.6	20.5	12.2	5.2	0.0	17.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.8	2.6	20.5	12.2	5.2	0.0	17.3
Queue Length 50th (ft)	1	0	1	0	0	0	1
Queue Length 95th (ft)	15	51	4	140	26	0	13
Internal Link Dist (ft)	1045		192		521		331
Turn Bay Length (ft)				240		145	
Base Capacity (vph)	1553	2638	1491	3023	1674	1272	2927
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.60	0.01	0.12	0.02	0.00	0.01
Intersection Summary							

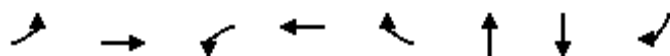


## Queues

## 4: Alemania Rd &amp; Mercy Rd

Existing

Timing Plan: PM Peak



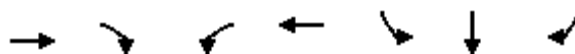
Lane Group	EBL	EBT	WBL	WBT	WBR	NBT	SBT	SBR
Lane Group Flow (vph)	47	917	12	984	137	12	129	35
v/c Ratio	0.18	0.42	0.05	0.52	0.16	0.02	0.34	0.07
Control Delay	28.5	9.8	30.7	14.3	7.3	0.0	21.1	4.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	28.5	9.8	30.7	14.3	7.3	0.0	21.1	4.7
Queue Length 50th (ft)	13	64	3	120	10	0	33	0
Queue Length 95th (ft)	56	256	23	297	55	0	87	12
Internal Link Dist (ft)		1099		232		423	223	
Turn Bay Length (ft)	170		100		150			35
Base Capacity (vph)	1181	3332	1181	3337	1461	1362	1110	1267
Starvation Cap Reductn	0	0	0	191	62	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.04	0.28	0.01	0.31	0.10	0.01	0.12	0.03
Intersection Summary								

## Queues

Existing

## 5: I-15 SB On-ramp/I-15 SB Off-ramp &amp; Mercy Rd

Timing Plan: PM Peak



Lane Group	EBT	EBR	WBL	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	854	147	1149	877	392	384	304
v/c Ratio	0.80	0.38	1.03	0.42	0.80	0.81	0.57
Control Delay	46.9	17.0	72.1	13.8	48.2	49.7	22.0
Queue Delay	0.8	0.1	28.1	0.4	0.0	0.0	0.0
Total Delay	47.7	17.2	100.2	14.3	48.2	49.7	22.0
Queue Length 50th (ft)	220	30	~460	167	266	271	104
Queue Length 95th (ft)	307	105	#727	268	404	417	204
Internal Link Dist (ft)	232			368		735	
Turn Bay Length (ft)		120			705		
Base Capacity (vph)	1340	453	1119	2297	704	673	707
Starvation Cap Reductn	219	31	107	856	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.76	0.35	1.14	0.61	0.56	0.57	0.43

## Intersection Summary

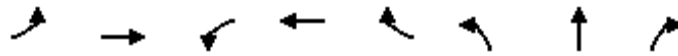
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

## 6: I-15 NB Off-ramp/I-15 NB On-ramp &amp; Mercy Rd/Scripps Poway Pkwy

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	341	1219	1	1676	816	148	149	781
v/c Ratio	0.66	0.69	0.00	0.64	0.82	0.53	0.53	0.69
Control Delay	49.8	21.9	52.0	20.7	19.4	47.3	47.2	28.4
Queue Delay	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	49.8	22.0	52.0	20.7	19.4	47.3	47.2	28.4
Queue Length 50th (ft)	110	294	1	243	200	97	97	221
Queue Length 95th (ft)	203	478	7	528	#726	175	176	387
Internal Link Dist (ft)		368		1350			563	
Turn Bay Length (ft)	150		25		165	330		330
Base Capacity (vph)	1260	2710	371	3201	1130	723	729	1235
Starvation Cap Reductn	0	595	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.27	0.58	0.00	0.52	0.72	0.20	0.20	0.63

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

HCM 6th TWSC  
7: Black Mountain Rd & Babauta Rd

Existing  
Timing Plan: PM Peak













Intersection												
Int Delay, s/veh	0.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations			↰			↰		↰↰↰		↰↰↰		
Traffic Vol, veh/h	0	0	6	0	0	20	0	1983	23	13	1263	18
Future Vol, veh/h	0	0	6	0	0	20	0	1983	23	13	1263	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	5	5	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	-	-	-	210	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	75	75	75	71	71	71	95	95	95	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2	3	3	3	3	3	3
Mvmt Flow	0	0	8	0	0	28	0	2087	24	14	1358	19
Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	-	-	689	-	-	1061	-	0	0	2116	0	0
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	-	-	7.14	-	-	7.14	-	-	-	5.36	-	-
Critical Hdwy Stg 1	-	-	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	-	-	3.92	-	-	3.92	-	-	-	3.13	-	-
Pot Cap-1 Maneuver	0	0	333	0	0	189	0	-	-	108	-	-
Stage 1	0	0	-	0	0	-	0	-	-	-	-	-
Stage 2	0	0	-	0	0	-	0	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	-	-	333	-	-	188	-	-	-	107	-	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-	-	-	-	-	-	-
Approach	EB		WB		NB		SB					
HCM Control Delay, s	16.1		27.5		0		0.4					
HCM LOS	C		D									
Minor Lane/Major Mvmt	NBT		NBR		EBLn1WBLn1		SBL	SBT	SBR			
Capacity (veh/h)	-		-		333 188		107	-	-			
HCM Lane V/C Ratio	-		-		0.024 0.15		0.131	-	-			
HCM Control Delay (s)	-		-		16.1 27.5		43.6	-	-			
HCM Lane LOS	-		-		C D		E	-	-			
HCM 95th %tile Q(veh)	-		-		0.1 0.5		0.4	-	-			

## Queues

## 8: I-805 NB Ramps/Mira Sorrento PI &amp; Vista Sorrento Pkwy

Existing

Timing Plan: PM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	247	55	104	149	600	114	822	127	16	47	421	237
v/c Ratio	0.83	0.09	0.14	0.43	0.87	0.30	0.90	0.17	0.03	0.23	1.09	0.51
Control Delay	80.5	51.8	2.4	56.0	70.0	9.3	64.2	32.1	0.1	66.6	123.5	20.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay	80.5	51.8	2.4	56.0	70.0	9.3	64.3	32.1	0.1	66.6	123.5	20.2
Queue Length 50th (ft)	223	22	0	121	283	0	375	79	0	40	~471	50
Queue Length 95th (ft)	353	47	17	217	404	49	#534	150	0	79	#662	100
Internal Link Dist (ft)		281			1647			523			1549	
Turn Bay Length (ft)	170		160	210		50			50	245		
Base Capacity (vph)	452	904	843	452	904	467	1128	765	643	323	385	465
Starvation Cap Reductn	0	0	0	0	0	0	15	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.55	0.06	0.12	0.33	0.66	0.24	0.74	0.17	0.02	0.15	1.09	0.51

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

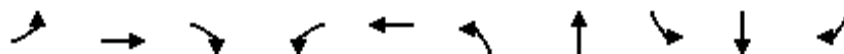
Queue shown is maximum after two cycles.

## Queues

## 9: Scranton Rd &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	179	1144	238	119	1478	223	219	114	195	340
v/c Ratio	0.66	0.43	0.26	0.75	0.44	0.58	0.57	0.22	0.78	0.45
Control Delay	96.1	31.0	8.8	105.5	32.6	83.7	83.3	69.9	97.5	59.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	96.1	31.0	8.8	105.5	32.6	83.7	83.3	69.9	97.5	59.8
Queue Length 50th (ft)	114	311	32	128	437	156	154	65	261	198
Queue Length 95th (ft)	157	468	116	191	557	198	195	93	352	230
Internal Link Dist (ft)	1100				2993		334		378	
Turn Bay Length (ft)	385				365				120	
Base Capacity (vph)	390	2661	900	196	3376	626	625	753	361	846
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.43	0.26	0.61	0.44	0.36	0.35	0.15	0.54	0.40
Intersection Summary										

## Queues

Existing

## 10: Oberline Dr/Lusk Blvd &amp; Mira Mesa Blvd

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	74	1301	47	1379	21	19	157	502	122	247
v/c Ratio	0.54	0.42	0.42	0.46	0.37	0.10	0.62	0.94	0.27	0.47
Control Delay	84.7	25.3	105.0	14.2	106.8	70.0	36.5	105.6	58.4	14.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	84.7	25.3	105.0	14.2	106.8	70.0	36.5	105.6	58.4	14.3
Queue Length 50th (ft)	42	424	31	166	26	23	65	322	136	48
Queue Length 95th (ft)	67	597	m57	223	61	47	133	#423	174	123
Internal Link Dist (ft)		2993		1710		152			1676	
Turn Bay Length (ft)	245		255		105		105	210		
Base Capacity (vph)	236	3133	164	3012	128	372	392	556	550	604
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.31	0.42	0.29	0.46	0.16	0.05	0.40	0.90	0.22	0.41

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.















## Queues

## 11: Pacific Heights Blvd &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	129	1627	113	116	977	184	154	248	197	1062	261	340
v/c Ratio	0.87	0.82	0.19	0.87	0.51	0.26	0.82	0.60	0.82	0.99	0.23	0.57
Control Delay	143.3	42.4	8.2	129.0	44.5	9.1	114.2	54.7	67.5	87.7	46.4	25.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	143.3	42.4	8.2	129.0	44.5	9.1	114.2	54.7	67.5	87.7	46.4	25.2
Queue Length 50th (ft)	157	752	19	143	316	24	192	106	150	680	128	158
Queue Length 95th (ft)	m#272	#830	m34	m#267	320	m32	241	125	202	#827	160	258
Internal Link Dist (ft)		1710			1946			537			698	
Turn Bay Length (ft)	290		50	275		320	90		95	540		50
Base Capacity (vph)	154	1978	610	140	1910	696	422	596	325	1089	1151	598
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.84	0.82	0.19	0.83	0.51	0.26	0.36	0.42	0.61	0.98	0.23	0.57

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.













m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 12: Mira Mesa Blvd &amp; Sequence Dr

Existing

Timing Plan: PM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	228	2591	105	24	859	11	179	182	129	85	10	355
v/c Ratio	0.81	0.76	0.11	0.41	0.32	0.01	0.81	0.81	0.48	0.74	0.08	0.74
Control Delay	83.8	20.1	6.7	106.0	23.4	0.3	104.9	105.6	28.2	120.6	82.4	54.2
Queue Delay	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Total Delay	83.8	20.2	6.7	106.0	23.4	0.3	104.9	105.6	28.3	120.6	82.4	54.2
Queue Length 50th (ft)	280	564	20	31	84	0	234	238	40	106	12	289
Queue Length 95th (ft)	m#408	620	m31	69	293	2	232	234	56	146	31	338
Internal Link Dist (ft)	1946				1147				531		829	
Turn Bay Length (ft)	230		50	250		50			50	250		250
Base Capacity (vph)	282	3409	990	92	2669	802	356	359	370	144	152	482
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	162	0	0	0	0	0	0	10	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.81	0.80	0.11	0.26	0.32	0.01	0.50	0.51	0.36	0.59	0.07	0.74

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.













m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 13: Mira Mesa Blvd &amp; Genetic Center Dr

Existing

Timing Plan: PM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	42	2797	10	25	727	39	18	18	250	105	2	86
v/c Ratio	0.59	0.82	0.01	0.42	0.22	0.04	0.33	0.09	0.88	0.78	0.01	0.25
Control Delay	134.3	15.0	0.0	100.9	14.9	6.2	105.2	70.3	69.5	119.6	56.5	11.2
Queue Delay	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	134.3	15.6	0.0	100.9	14.9	6.2	105.2	70.3	69.5	119.6	56.5	11.2
Queue Length 50th (ft)	50	637	0	33	121	5	23	21	166	131	2	0
Queue Length 95th (ft)	m68	#1445	m0	72	202	19	49	40	213	190	9	43
Internal Link Dist (ft)	1147			1166			212			583		
Turn Bay Length (ft)	265		50	255		50	140		85	160		160
Base Capacity (vph)	92	3408	989	92	3375	969	189	372	410	189	396	400
Starvation Cap Reductn	0	247	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.88	0.01	0.27	0.22	0.04	0.10	0.05	0.61	0.56	0.01	0.21

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.













m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 14: Mira Mesa Blvd &amp; Flanders Dr

Existing

Timing Plan: PM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	78	2681	341	41	547	41	121	120	177	180	80	63
v/c Ratio	0.72	0.85	0.37	0.59	0.18	0.05	0.69	0.67	0.58	0.80	0.34	0.22
Control Delay	136.8	15.0	4.4	134.2	21.0	3.2	99.7	98.1	20.5	103.8	77.0	3.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	136.8	15.0	4.4	134.2	21.0	3.2	99.7	98.1	20.5	103.8	77.0	3.5
Queue Length 50th (ft)	101	593	14	55	74	1	158	157	21	224	93	0
Queue Length 95th (ft)	m114	#1536	m128	m92	179	m8	207	204	85	224	110	0
Internal Link Dist (ft)	1166				823				568			
Turn Bay Length (ft)	215	50		245	50		250	160		200		
Base Capacity (vph)	156	3144	912	84	2973	885	336	341	438	354	372	390
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.50	0.85	0.37	0.49	0.18	0.05	0.36	0.35	0.40	0.51	0.22	0.16

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 15: Mira Mesa Blvd &amp; Viper Wy

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	38	2607	267	66	516	30	133	42	182	43	42
v/c Ratio	0.58	0.73	0.26	0.71	0.14	0.03	0.76	0.22	0.80	0.74	0.25
Control Delay	123.8	6.9	0.9	138.0	3.8	0.6	115.1	75.7	62.6	147.4	48.5
Queue Delay	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	123.8	7.1	0.9	138.0	3.8	0.6	115.1	75.7	62.6	147.4	48.5
Queue Length 50th (ft)	48	106	8	87	46	1	86	50	115	54	28
Queue Length 95th (ft)	m61	237	m8	147	58	3	93	60	103	#130	63
Internal Link Dist (ft)		823			845			247			375
Turn Bay Length (ft)	260		50	260		50			50	110	
Base Capacity (vph)	72	3571	1011	124	3703	1059	191	411	383	61	360
Starvation Cap Reductn	0	177	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.53	0.77	0.26	0.53	0.14	0.03	0.70	0.10	0.48	0.70	0.12

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

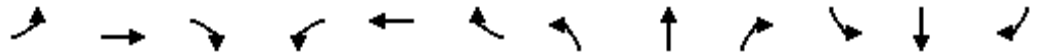
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 16: Camino Santa Fe &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



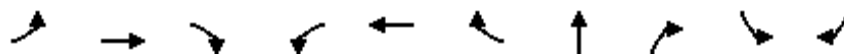
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	66	2739	81	171	540	164	129	379	606	423	204	38
v/c Ratio	0.68	1.52	0.15	0.40	0.20	0.20	0.48	0.77	0.93	0.88	0.61	0.19
Control Delay	135.2	270.8	6.1	77.1	22.7	15.5	75.4	89.1	58.4	99.9	88.7	3.4
Queue Delay	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0
Total Delay	135.2	271.0	6.1	77.1	22.7	15.5	75.4	89.1	66.6	99.9	88.7	3.4
Queue Length 50th (ft)	86	~1752	9	200	102	53	145	248	454	271	134	0
Queue Length 95th (ft)	m121	#1806	m21	317	143	99	204	257	#567	328	160	6
Internal Link Dist (ft)		845			1366			850			382	
Turn Bay Length (ft)	250		50	250		50	280			250		50
Base Capacity (vph)	252	1797	554	428	2718	802	271	782	653	578	838	397
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	101	0	0	0	0	0	0	38	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.26	1.61	0.15	0.40	0.20	0.20	0.48	0.48	0.99	0.73	0.24	0.10

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

Queues  
17: Mira Mesa Blvd & Schilling Ave

Existing  
Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBL	SBR
Lane Group Flow (vph)	138	3361	41	53	870	63	55	109	69	19
v/c Ratio	0.78	0.87	0.04	0.58	0.25	0.07	0.38	0.47	0.59	0.04
Control Delay	92.1	18.3	0.4	122.7	4.8	1.4	85.9	19.2	101.0	0.2
Queue Delay	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	92.1	21.3	0.4	122.7	4.8	1.4	85.9	19.2	101.0	0.2
Queue Length 50th (ft)	181	425	0	69	107	7	67	6	86	0
Queue Length 95th (ft)	m140	m239	m0	119	89	1	81	24	106	0
Internal Link Dist (ft)		1366			1325		244			
Turn Bay Length (ft)	260		50	195		50		55	95	50
Base Capacity (vph)	341	3847	1072	135	3549	956	294	371	238	540
Starvation Cap Reductn	0	383	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	201	0	0	0	0	0	4	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.97	0.04	0.39	0.25	0.07	0.19	0.30	0.29	0.04

Intersection Summary

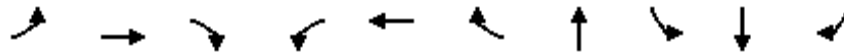
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 18: Mira Mesa Blvd &amp; Aderman Ave

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	31	3415	25	46	867	47	80	92	7	19
v/c Ratio	0.44	0.91	0.02	0.54	0.23	0.05	0.37	0.84	0.03	0.10
Control Delay	116.3	10.7	0.2	98.5	7.2	4.3	37.1	130.3	69.8	1.0
Queue Delay	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	116.3	12.5	0.2	98.5	7.2	4.3	37.1	130.3	69.8	1.0
Queue Length 50th (ft)	38	481	0	56	87	5	37	116	8	0
Queue Length 95th (ft)	m48	#1750	m1	113	139	9	69	108	16	0
Internal Link Dist (ft)		1325			2000		341		358	
Turn Bay Length (ft)	145		50	130		50		100		50
Base Capacity (vph)	126	3770	1034	126	3800	1008	331	187	343	294
Starvation Cap Reductn	0	211	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.25	0.96	0.02	0.37	0.23	0.05	0.24	0.49	0.02	0.06

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



## Queues

## 19: Parkdale Ave &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	147	3378	100	1033	48	108	92	31	66	67
v/c Ratio	0.79	1.01	0.70	0.32	0.59	0.65	0.39	0.44	0.42	0.30
Control Delay	114.3	34.5	98.3	16.6	116.0	100.2	12.7	107.0	88.7	5.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	114.3	34.5	98.3	16.6	116.0	100.2	12.7	107.0	88.7	5.0
Queue Length 50th (ft)	194	~1608	110	197	60	134	0	39	81	0
Queue Length 95th (ft)	m216	#1841	m#211	290	108	186	39	73	117	0
Internal Link Dist (ft)		2000		2016		412			417	
Turn Bay Length (ft)	275		255		240		100	100		100
Base Capacity (vph)	237	3337	143	3191	98	319	352	98	319	353
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.62	1.01	0.70	0.32	0.49	0.34	0.26	0.32	0.21	0.19

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 20: Reagan Rd &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	197	2667	49	957	95	157	206	55	224
v/c Ratio	0.86	0.94	0.36	0.38	0.12	0.66	0.44	0.33	0.61
Control Delay	103.3	17.6	64.7	13.9	3.4	89.2	77.1	83.6	66.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	103.3	17.6	64.7	13.9	3.4	89.2	77.1	83.6	66.2
Queue Length 50th (ft)	236	717	64	117	4	188	121	66	105
Queue Length 95th (ft)	m218	m152	102	160	13	#394	#192	110	145
Internal Link Dist (ft)		2016		649			500		498
Turn Bay Length (ft)	235		240		80	100		110	
Base Capacity (vph)	287	2824	135	2552	791	237	471	282	576
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.94	0.36	0.38	0.12	0.66	0.44	0.20	0.39

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.












m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 21: Mira Mesa Blvd &amp; Driveway

Existing

Timing Plan: PM Peak

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	152	2293	119	159	980	116	67	81	143	111	88
v/c Ratio	0.80	0.66	0.13	0.68	0.30	0.13	0.50	0.35	0.54	0.82	0.38
Control Delay	120.6	1.4	0.2	90.4	7.6	3.1	88.2	78.4	36.2	119.5	64.2
Queue Delay	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	120.6	1.7	0.2	90.4	7.6	3.1	88.2	78.4	36.3	119.5	64.2
Queue Length 50th (ft)	201	35	0	102	75	9	80	95	62	139	83
Queue Length 95th (ft)	m217	40	m0	m140	m84	m16	133	149	138	203	135
Internal Link Dist (ft)		649			813			198			235
Turn Bay Length (ft)	140		50	135		50	90		105	55	
Base Capacity (vph)	291	3486	950	257	3285	886	227	385	382	229	375
Starvation Cap Reductn	0	457	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	205	0	0	0	0	0	0	3	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.52	0.76	0.13	0.62	0.30	0.13	0.30	0.21	0.38	0.48	0.23

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 22: Camino Ruiz &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	233	2192	322	1160	270	184	711	188	372	510	79
v/c Ratio	0.80	0.96	1.01	0.49	0.36	1.11	0.81	0.58	0.91	0.81	0.24
Control Delay	123.0	41.9	145.9	50.0	34.5	173.5	82.7	40.3	107.7	84.8	6.5
Queue Delay	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	123.0	44.2	145.9	50.0	34.5	173.5	82.7	40.3	107.7	84.8	6.5
Queue Length 50th (ft)	143	797	~218	399	185	~261	315	102	239	322	0
Queue Length 95th (ft)	189	#1102	m#280	m353	m202	#374	322	159	#326	391	31
Internal Link Dist (ft)		813		1559			2143			1009	
Turn Bay Length (ft)	190		200		620	270		100	250		50
Base Capacity (vph)	363	2282	318	2344	743	166	947	342	427	691	346
Starvation Cap Reductn	0	48	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.64	0.98	1.01	0.49	0.36	1.11	0.75	0.55	0.87	0.74	0.23

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

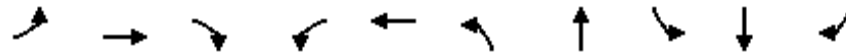
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 23: Reagan Rd/New Salem St &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	48	2343	170	63	1606	123	159	137	125	37
v/c Ratio	0.60	0.83	0.20	0.36	0.52	1.24	0.72	0.86	0.43	0.12
Control Delay	126.8	12.0	3.1	59.0	13.6	235.0	91.6	125.1	75.2	0.8
Queue Delay	0.0	46.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	126.8	58.8	3.1	59.0	13.6	235.0	91.6	125.1	75.2	0.8
Queue Length 50th (ft)	63	213	14	62	114	~189	185	170	145	0
Queue Length 95th (ft)	m66	561	m15	m112	324	#321	244	#284	202	0
Internal Link Dist (ft)		1559			821		717		595	
Turn Bay Length (ft)	250		125	145		100		150		150
Base Capacity (vph)	113	2810	861	176	3078	99	349	174	437	432
Starvation Cap Reductn	0	0	0	0	101	0	0	0	0	0
Spillback Cap Reductn	0	735	0	0	0	0	1	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.42	1.13	0.20	0.36	0.54	1.24	0.46	0.79	0.29	0.09

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 24: Westonhill Dr &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	111	2427	48	1590	79	203	100	168	73
v/c Ratio	0.69	0.82	0.61	0.60	0.35	0.86	0.48	0.77	0.38
Control Delay	99.1	31.8	136.5	49.2	78.6	110.4	83.3	101.5	80.2
Queue Delay	0.0	46.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	99.1	78.5	136.5	49.2	78.6	110.4	83.3	101.5	80.2
Queue Length 50th (ft)	127	1131	63	684	91	249	125	218	86
Queue Length 95th (ft)	m#207	#1218	m#125	789	138	316	166	263	122
Internal Link Dist (ft)		821		846		932		1170	
Turn Bay Length (ft)	175		265		150		225		
Base Capacity (vph)	162	2962	87	2655	276	288	318	334	290
Starvation Cap Reductn	0	795	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	1.12	0.55	0.60	0.29	0.70	0.31	0.50	0.25

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

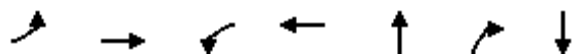
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 25: Greenford Dr &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBT
Lane Group Flow (vph)	19	2459	72	1643	177	35	75
v/c Ratio	0.32	0.74	0.60	0.45	0.89	0.15	0.33
Control Delay	107.5	4.6	93.2	13.6	118.3	16.6	67.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	107.5	4.6	93.2	13.6	118.3	16.6	67.8
Queue Length 50th (ft)	24	63	94	244	220	0	78
Queue Length 95th (ft)	m32	83	#197	297	303	33	110
Internal Link Dist (ft)		846		1220	524		392
Turn Bay Length (ft)	250		250			50	
Base Capacity (vph)	81	3340	120	3680	289	334	331
Starvation Cap Reductn	0	41	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.23	0.75	0.60	0.45	0.61	0.10	0.23

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

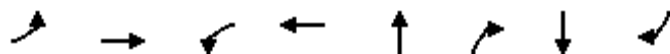
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 26: Marbury Ave/Westmore Rd &amp; Mira Mesa Blvd

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	15	2413	178	1630	109	225	67	25
v/c Ratio	0.27	0.76	0.86	0.43	0.58	0.89	0.44	0.11
Control Delay	93.0	7.8	94.8	4.1	88.2	83.5	82.5	0.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	93.0	7.8	94.8	4.1	88.2	83.5	82.5	0.9
Queue Length 50th (ft)	19	55	231	47	130	183	78	0
Queue Length 95th (ft)	m28	241	m#430	235	162	214	107	0
Internal Link Dist (ft)		1220		1565	444		324	
Turn Bay Length (ft)	250		250			50		50
Base Capacity (vph)	81	3177	206	3786	275	332	224	315
Starvation Cap Reductn	0	20	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.19	0.76	0.86	0.43	0.40	0.68	0.30	0.08

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.















## Queues

## 27: Black Mountain Rd &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	474	1831	122	229	1413	258	203	709	222	384	365	311
v/c Ratio	0.86	0.97	0.13	0.53	0.81	0.32	0.28	0.91	0.47	0.84	0.73	0.64
Control Delay	105.4	82.8	10.7	107.1	89.7	41.6	65.5	87.1	20.8	88.1	79.4	18.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	105.4	82.8	10.7	107.1	89.7	41.6	65.5	87.1	20.8	88.1	79.4	18.6
Queue Length 50th (ft)	307	819	41	154	676	179	109	461	55	249	241	73
Queue Length 95th (ft)	338	#942	m67	204	730	303	155	#600	140	308	292	119
Internal Link Dist (ft)		1565			1235			1467			714	
Turn Bay Length (ft)	250		400	250			260		275	440		380
Base Capacity (vph)	897	1895	950	436	1740	836	722	780	469	552	804	589
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.53	0.97	0.13	0.53	0.81	0.31	0.28	0.91	0.47	0.70	0.45	0.53

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 28: Westview Pkwy &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	278	2091	574	1622	711	255	643	297	623	254	129
v/c Ratio	0.82	0.85	0.93	0.60	0.76	0.43	0.87	0.56	0.85	0.76	0.38
Control Delay	62.8	69.3	94.8	44.3	30.5	72.5	74.2	9.5	90.9	87.6	23.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	62.8	69.3	94.8	44.3	30.5	72.5	74.2	9.5	90.9	87.6	23.6
Queue Length 50th (ft)	167	669	358	460	521	145	370	0	271	309	40
Queue Length 95th (ft)	m198	m#698	#475	540	768	196	432	91	319	394	105
Internal Link Dist (ft)		1235		846			1208			1016	
Turn Bay Length (ft)	245		375		250	245		200	260		115
Base Capacity (vph)	406	2473	631	2717	949	599	835	571	790	548	493
Starvation Cap Reductn	0	0	0	0	3	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.68	0.85	0.91	0.60	0.75	0.43	0.77	0.52	0.79	0.46	0.26

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

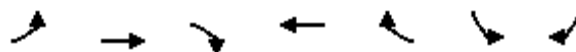
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 29: Mira Mesa Blvd &amp; I-15 SB Off-ramp

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	1	2260	864	1596	420	417	1341
v/c Ratio	0.00	0.62	0.32	0.83	0.40	0.71	0.93
Control Delay	35.0	8.7	0.3	33.5	1.9	49.2	37.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	35.0	8.7	0.3	33.5	1.9	49.2	37.5
Queue Length 50th (ft)	1	247	0	347	0	138	466
Queue Length 95th (ft)	6	364	0	440	29	219	#804
Internal Link Dist (ft)		846		858			
Turn Bay Length (ft)	25					570	290
Base Capacity (vph)	512	4484	2693	2947	1347	1506	1443
Starvation Cap Reductn	0	230	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.53	0.32	0.54	0.31	0.28	0.93

## Intersection Summary

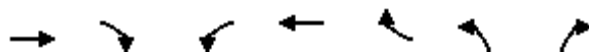
# 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

## 30: I-15 NB Off-ramp &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak













Lane Group	EBT	EBR	WBL	WBT	WBR	NBL	NBR
Lane Group Flow (vph)	1388	1198	1	1194	636	858	386
v/c Ratio	0.55	0.81	0.01	0.41	0.42	0.76	0.33
Control Delay	23.3	5.5	55.0	15.5	0.8	40.4	21.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	23.3	5.5	55.0	15.5	0.8	40.4	21.9
Queue Length 50th (ft)	258	9	1	171	0	311	107
Queue Length 95th (ft)	384	23	7	253	0	316	117
Internal Link Dist (ft)	858			875			
Turn Bay Length (ft)					60		495
Base Capacity (vph)	2505	1515	146	2920	1528	1493	1278
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.55	0.79	0.01	0.41	0.42	0.57	0.30
Intersection Summary							

## Queues

Existing

## 31: Black Mountain Rd &amp; Mercy Rd

Timing Plan: PM Peak

										
Lane Group	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	6	2	542	229	226	19	1447	624	310	894
v/c Ratio	0.04	0.01	0.79	0.48	0.47	0.31	0.77	0.49	0.81	0.28
Control Delay	60.3	0.0	69.4	9.4	9.1	86.6	35.0	3.2	85.1	18.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	60.3	0.0	69.4	9.4	9.1	86.6	35.0	3.2	85.1	18.0
Queue Length 50th (ft)	6	0	278	2	0	20	546	29	163	130
Queue Length 95th (ft)	11	0	339	80	77	50	#1167	119	#242	306
Internal Link Dist (ft)	761			2189			644			1388
Turn Bay Length (ft)		50	280		240	370			430	
Base Capacity (vph)	454	420	776	512	511	101	1868	1299	394	3164
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.00	0.70	0.45	0.44	0.19	0.77	0.48	0.79	0.28

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

## 32: Camino Santa Fe &amp; Miramar Rd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	777	2071	58	36	1460	74	66	54	66	66	1053
v/c Ratio	0.75	0.63	0.06	0.32	0.76	0.12	0.43	0.34	0.59	0.50	0.71
Control Delay	55.3	18.7	1.8	93.4	22.8	0.5	75.0	63.1	91.6	82.4	22.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	55.3	18.7	1.8	93.4	22.8	0.5	75.0	63.1	91.6	82.4	22.6
Queue Length 50th (ft)	381	405	0	20	478	0	68	49	71	70	291
Queue Length 95th (ft)	#561	739	13	43	#645	0	82	65	120	117	365
Internal Link Dist (ft)		1789			1240			330		2054	
Turn Bay Length (ft)	550		50	330		50	75		270		
Base Capacity (vph)	1032	3280	961	165	1914	610	354	366	213	254	1473
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.75	0.63	0.06	0.22	0.76	0.12	0.19	0.15	0.31	0.26	0.71

## Intersection Summary

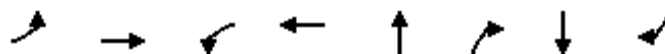
# 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

## 33: Miramar Rd &amp; Commerce Ave

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	99	2085	34	1438	64	52	112	116
v/c Ratio	0.61	0.61	0.30	0.41	0.46	0.20	0.65	0.37
Control Delay	111.2	5.5	93.9	17.0	72.3	3.0	81.7	11.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	111.2	5.5	93.9	17.0	72.3	3.0	81.7	11.9
Queue Length 50th (ft)	56	110	37	394	63	0	114	0
Queue Length 95th (ft)	m90	147	77	513	105	7	140	32
Internal Link Dist (ft)		1240		1041	169		465	
Turn Bay Length (ft)	350		465			50		180
Base Capacity (vph)	180	3421	134	3466	224	377	278	431
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.55	0.61	0.25	0.41	0.29	0.14	0.40	0.27

## Intersection Summary

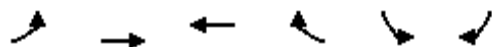
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 34: Miramar Rd &amp; Production Ave

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	52	2270	1302	32	74	114
v/c Ratio	0.53	0.55	0.35	0.03	0.45	0.45
Control Delay	76.1	6.9	0.8	0.3	74.2	14.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	76.1	6.9	0.8	0.3	74.2	14.9
Queue Length 50th (ft)	54	143	8	0	77	0
Queue Length 95th (ft)	m96	488	31	0	87	20
Internal Link Dist (ft)		1041	667		289	
Turn Bay Length (ft)	250			50		65
Base Capacity (vph)	245	4106	3726	1054	399	445
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.21	0.55	0.35	0.03	0.19	0.26

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

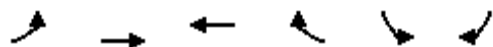


## Queues

## 35: Miramar Rd &amp; Distribution Ave

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	93	2300	1231	81	92	120
v/c Ratio	0.33	0.57	0.39	0.09	0.54	0.50
Control Delay	53.9	3.4	8.2	2.3	78.0	18.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	53.9	3.5	8.2	2.3	78.0	18.7
Queue Length 50th (ft)	93	234	200	0	95	8
Queue Length 95th (ft)	145	71	402	18	136	61
Internal Link Dist (ft)		667	795		302	
Turn Bay Length (ft)	75			50		50
Base Capacity (vph)	280	4068	3140	902	378	399
Starvation Cap Reductn	0	249	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.33	0.60	0.39	0.09	0.24	0.30
Intersection Summary						

## Queues

## 36: Miramar Wy &amp; Miramar Rd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBR	SBT
Lane Group Flow (vph)	38	2102	78	15	1209	63	5	80
v/c Ratio	0.48	0.57	0.07	0.11	0.32	0.48	0.01	0.39
Control Delay	82.3	17.6	7.6	51.2	1.7	78.3	0.0	14.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	82.3	17.6	7.6	51.2	1.7	78.3	0.0	14.2
Queue Length 50th (ft)	37	424	10	16	17	65	0	0
Queue Length 95th (ft)	m68	693	55	m45	46	94	0	17
Internal Link Dist (ft)		795			1271			104
Turn Bay Length (ft)	190		50	125		45	50	
Base Capacity (vph)	96	3703	1058	275	3760	283	495	346
Starvation Cap Reductn	0	188	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.60	0.07	0.05	0.32	0.22	0.01	0.23

## Intersection Summary

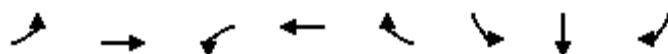
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 37: Miramar Rd &amp; Carroll Rd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	SBL	SBT	SBR
Lane Group Flow (vph)	90	1982	4	1038	134	281	278	165
v/c Ratio	0.67	0.58	0.07	0.35	0.11	0.77	0.68	0.37
Control Delay	115.7	4.7	54.5	22.0	1.5	72.0	47.7	8.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	115.7	4.7	54.5	22.0	1.5	72.0	47.7	8.2
Queue Length 50th (ft)	100	136	4	78	0	293	213	0
Queue Length 95th (ft)	163	101	m12	391	27	374	301	61
Internal Link Dist (ft)		1271		2530			753	
Turn Bay Length (ft)	150		100		315	380		
Base Capacity (vph)	174	3407	67	2938	1379	535	564	578
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.52	0.58	0.06	0.35	0.10	0.53	0.49	0.29

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 38: Miramar Rd &amp; Empire St

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	SBT
Lane Group Flow (vph)	12	2403	1	1111	18	52
v/c Ratio	0.20	0.56	0.02	0.26	0.02	0.30
Control Delay	80.2	9.7	46.0	12.5	6.8	8.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	80.2	9.7	46.0	12.5	6.8	8.7
Queue Length 50th (ft)	12	197	1	124	1	0
Queue Length 95th (ft)	m21	922	m3	372	17	19
Internal Link Dist (ft)		2530		1293		342
Turn Bay Length (ft)	115		90		50	
Base Capacity (vph)	221	4286	110	4202	1186	409
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.05	0.56	0.01	0.26	0.02	0.13

## Intersection Summary

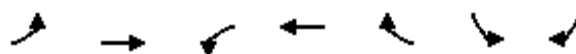
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 39: Miramar Rd &amp; Dowdy Dr

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	110	2587	4	995	57	271	172
v/c Ratio	0.75	0.72	0.07	0.32	0.06	0.87	0.34
Control Delay	93.7	19.4	121.0	3.2	0.2	90.3	16.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	93.7	19.4	121.0	3.2	0.2	90.3	16.0
Queue Length 50th (ft)	118	393	4	17	0	278	45
Queue Length 95th (ft)	#183	1076	m14	26	0	270	55
Internal Link Dist (ft)		1293		894			
Turn Bay Length (ft)	190		110		50	250	
Base Capacity (vph)	172	3601	111	3096	890	382	522
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.64	0.72	0.04	0.32	0.06	0.71	0.33

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

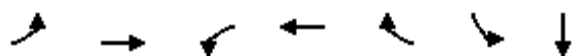
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 40: Miramar Rd &amp; Cabot Dr

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	SBL	SBT
Lane Group Flow (vph)	123	2519	25	1053	108	114	106
v/c Ratio	0.62	0.67	0.37	0.32	0.11	0.63	0.45
Control Delay	85.3	6.6	88.2	25.1	12.4	82.3	25.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	85.3	6.6	88.2	25.1	12.4	82.3	25.0
Queue Length 50th (ft)	129	236	23	353	63	124	27
Queue Length 95th (ft)	m187	193	m40	428	107	173	81
Internal Link Dist (ft)		894		3137			419
Turn Bay Length (ft)	130		100		50	170	
Base Capacity (vph)	197	3757	69	3295	948	388	417
Starvation Cap Reductn	0	136	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.62	0.70	0.36	0.32	0.11	0.29	0.25

## Intersection Summary

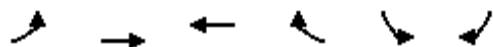
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 41: Miramar Rd &amp; Camino Ruiz

Existing

Timing Plan: PM Peak



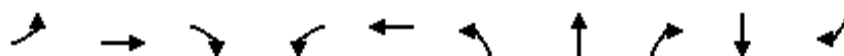
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	407	2373	1449	425	500	145
v/c Ratio	0.82	0.67	0.59	0.48	0.86	0.13
Control Delay	77.5	8.5	19.2	2.6	76.8	13.6
Queue Delay	0.0	0.5	0.0	0.0	0.0	0.0
Total Delay	77.5	9.1	19.2	2.6	76.8	13.6
Queue Length 50th (ft)	203	587	144	16	263	26
Queue Length 95th (ft)	254	156	496	8	314	46
Internal Link Dist (ft)		3137	745		819	
Turn Bay Length (ft)	300			310	400	
Base Capacity (vph)	634	3524	2440	892	744	1215
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	628	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.64	0.82	0.59	0.48	0.67	0.12
Intersection Summary						

## Queues

## 42: Mitscher Wy/Clayton Dr &amp; Miramar Rd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	35	2651	160	130	1667	217	214	197	139	22
v/c Ratio	0.43	1.01	0.18	0.59	0.59	0.83	0.83	0.54	0.79	0.09
Control Delay	104.4	45.3	3.4	103.3	46.4	89.8	83.6	20.5	98.8	0.7
Queue Delay	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	104.4	51.2	3.4	103.3	46.4	89.8	83.6	20.5	98.8	0.7
Queue Length 50th (ft)	38	~1107	6	59	527	233	218	40	150	0
Queue Length 95th (ft)	m57	#1173	33	103	651	327	317	125	#303	0
Internal Link Dist (ft)		745			2252		546		448	
Turn Bay Length (ft)	200		350	375		400				50
Base Capacity (vph)	148	2618	869	220	2802	325	317	412	175	249
Starvation Cap Reductn	0	45	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.24	1.03	0.18	0.59	0.59	0.67	0.68	0.48	0.79	0.09

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

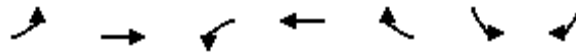


## Queues

## 43: Miramar Rd &amp; Black Mountain Rd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	276	2787	11	1501	160	516	171
v/c Ratio	0.75	0.81	0.20	0.52	0.19	0.89	0.25
Control Delay	93.4	9.5	90.9	18.7	9.7	79.9	7.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	93.4	9.5	90.9	18.7	9.7	79.9	7.5
Queue Length 50th (ft)	138	83	12	168	31	270	0
Queue Length 95th (ft)	m134	m1110	m21	m261	m49	#355	36
Internal Link Dist (ft)		2252		999			
Turn Bay Length (ft)	290		50		50	300	300
Base Capacity (vph)	951	3434	200	2883	847	611	724
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	1	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.29	0.81	0.06	0.52	0.19	0.84	0.24

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 44: Kearny Villa Rd &amp; Miramar Rd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	51	2347	905	42	1188	176	436	492	35	345	526
v/c Ratio	0.53	0.97	0.82	0.51	0.50	0.25	0.83	0.89	0.10	0.64	0.95
Control Delay	89.4	37.4	8.8	108.6	22.9	5.4	77.9	83.8	0.6	69.7	93.8
Queue Delay	0.0	4.8	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	89.4	42.2	9.1	108.6	23.1	5.4	77.9	83.8	0.6	69.7	93.8
Queue Length 50th (ft)	54	~814	250	35	365	82	256	293	0	178	291
Queue Length 95th (ft)	m65	#1031	199	86	431	56	325	#379	0	232	#413
Internal Link Dist (ft)		999			405			1030			1969
Turn Bay Length (ft)	175		410	135		50	190		50	210	
Base Capacity (vph)	165	2416	1120	102	2376	710	555	581	359	538	551
Starvation Cap Reductn	0	0	22	0	399	0	0	0	0	0	0
Spillback Cap Reductn	0	69	0	0	0	0	0	0	1	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.31	1.00	0.82	0.41	0.60	0.25	0.79	0.85	0.10	0.64	0.95

## Intersection Summary

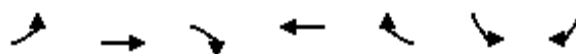
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 45: Miramar Rd/Pomerado Rd &amp; I-15 SB Ramps

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	1	1310	1438	763	732	17	633
v/c Ratio	0.00	0.41	0.97	0.30	0.28	0.15	0.84
Control Delay	42.0	2.4	35.3	8.0	0.3	77.5	43.6
Queue Delay	0.0	0.7	0.0	0.0	0.0	0.0	0.1
Total Delay	42.0	3.1	35.3	8.0	0.3	77.5	43.7
Queue Length 50th (ft)	1	165	1044	126	0	9	210
Queue Length 95th (ft)	m1	256	#1397	207	0	23	266
Internal Link Dist (ft)		262		1083			
Turn Bay Length (ft)	25					500	
Base Capacity (vph)	421	3160	1477	2517	2656	429	1013
Starvation Cap Reductn	0	1386	0	0	0	0	0
Spillback Cap Reductn	0	0	0	251	0	0	20
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.74	0.97	0.34	0.28	0.04	0.64

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

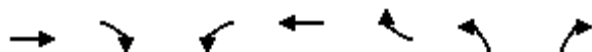
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 46: I-15 NB Ramps &amp; Pomerado Rd

Existing

Timing Plan: PM Peak















Lane Group	EBT	EBR	WBL	WBT	WBR	NBL	NBR
Lane Group Flow (vph)	431	922	1	1012	125	564	696
v/c Ratio	0.38	0.83	0.01	0.31	0.14	0.68	0.51
Control Delay	16.5	9.1	32.0	8.2	2.2	26.4	9.4
Queue Delay	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Total Delay	16.5	9.2	32.0	8.2	2.2	26.4	9.4
Queue Length 50th (ft)	58	0	0	50	0	84	47
Queue Length 95th (ft)	109	82	6	90	21	190	151
Internal Link Dist (ft)	1083			784			
Turn Bay Length (ft)		225	900		250	580	580
Base Capacity (vph)	2600	1359	1011	6108	1509	3228	2633
Starvation Cap Reductn	0	23	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.17	0.69	0.00	0.17	0.08	0.17	0.26
Intersection Summary							

## Queues

## 47: Camino Santa Fe &amp; Carroll Rd

Existing

Timing Plan: PM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	346	371	451	106	112	142	126	837	85	80	636	84
v/c Ratio	0.59	0.60	0.53	0.50	0.50	0.57	0.62	0.81	0.13	0.53	0.69	0.09
Control Delay	43.3	43.3	8.8	60.5	60.0	31.8	68.3	48.6	7.4	70.3	46.2	2.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	43.3	43.3	8.8	60.5	60.0	31.8	68.3	48.6	7.4	70.3	46.2	2.8
Queue Length 50th (ft)	221	238	61	79	83	41	94	315	15	60	233	0
Queue Length 95th (ft)	416	443	128	139	145	97	183	452	32	134	362	24
Internal Link Dist (ft)	1173			1331			1413			1144		
Turn Bay Length (ft)	175		240	85		50	200		100	225		310
Base Capacity (vph)	583	614	1279	598	629	547	875	2626	901	437	1751	959
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.59	0.60	0.35	0.18	0.18	0.26	0.14	0.32	0.09	0.18	0.36	0.09
Intersection Summary												

## Queues

## 48: Camino Santa Fe &amp; Flanders Dr

Existing

Timing Plan: PM Peak



Lane Group	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	584	229	92	64	79	840	575	244	284	35
v/c Ratio	0.81	0.66	0.28	0.32	0.60	0.44	0.89	0.87	0.11	0.05
Control Delay	70.1	49.5	68.7	13.8	91.4	38.9	50.8	90.6	24.4	1.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	70.1	49.5	68.7	13.8	91.4	38.9	50.8	90.6	24.4	1.1
Queue Length 50th (ft)	297	147	47	0	79	228	420	242	54	0
Queue Length 95th (ft)	391	250	76	33	153	341	#811	#463	101	2
Internal Link Dist (ft)	652		277			2392			850	
Turn Bay Length (ft)		50		50	250		50	225		50
Base Capacity (vph)	889	408	872	409	336	1944	650	282	2503	745
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.66	0.56	0.11	0.16	0.24	0.43	0.88	0.87	0.11	0.05

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

Existing

## 49: Camino Ruiz &amp; Carroll Canyon Rd

Timing Plan: PM Peak



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	39	88	26	1594	885	5
v/c Ratio	0.10	0.34	0.13	0.62	0.40	0.01
Control Delay	20.7	10.1	21.9	6.0	8.3	7.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	20.7	10.1	21.9	6.0	8.3	7.8
Queue Length 50th (ft)	5	0	7	107	48	0
Queue Length 95th (ft)	10	11	26	193	150	5
Internal Link Dist (ft)	1013			1871	1348	
Turn Bay Length (ft)	245		370			50
Base Capacity (vph)	2793	1305	1049	3471	3471	1361
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.07	0.02	0.46	0.25	0.00
Intersection Summary						

## Queues

## 50: Camino Ruiz &amp; Activity Rd

Existing

Timing Plan: PM Peak



Lane Group	EBT	WBT	WBR	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	19	63	285	11	1246	928	556
v/c Ratio	0.12	0.54	0.37	0.15	0.87	1.35	0.19
Control Delay	38.8	71.2	15.3	61.3	41.6	198.7	3.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.8	71.2	15.3	61.3	41.6	198.7	3.1
Queue Length 50th (ft)	9	50	103	9	483	~981	33
Queue Length 95th (ft)	24	88	135	28	#640	#1232	94
Internal Link Dist (ft)	181	514			819		1871
Turn Bay Length (ft)				130		170	
Base Capacity (vph)	409	322	780	98	1432	688	2921
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.05	0.20	0.37	0.11	0.87	1.35	0.19

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.



## Queues

Existing

## 51: Carroll Canyon Rd/I-805 SB Ramps &amp; Sorrento Valley Rd

Timing Plan: PM Peak



Lane Group	EBT	EBR	WBL	WBT	WBR	NBL	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	508	107	43	315	1377	109	731	835	131	45
v/c Ratio	0.46	0.14	0.12	0.18	0.49	0.17	0.54	0.71	0.41	0.35
Control Delay	34.1	2.6	31.5	14.1	0.6	34.6	16.5	30.7	44.1	48.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	34.1	2.6	31.5	14.1	0.6	34.6	16.5	30.7	44.1	48.1
Queue Length 50th (ft)	91	0	20	51	0	26	132	211	37	25
Queue Length 95th (ft)	152	19	52	87	0	59	217	254	61	53
Internal Link Dist (ft)	686			487					267	
Turn Bay Length (ft)		180	350			245	315			50
Base Capacity (vph)	1110	741	676	2361	2787	643	1343	2665	1855	746
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.14	0.06	0.13	0.49	0.17	0.54	0.31	0.07	0.06
Intersection Summary										

## Queues

## 52: I-805 NB Off-ramp &amp; Mira Mesa Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBT	NBR	SBL	SBR
Lane Group Flow (vph)	86	718	1	1199	804	47	933	76	654
v/c Ratio	0.13	0.39	0.01	0.70	1.01	0.36	0.80	0.19	0.39
Control Delay	34.9	21.9	42.0	31.7	55.8	52.0	19.8	34.1	10.6
Queue Delay	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0
Total Delay	34.9	21.9	42.0	31.7	87.8	52.0	19.8	34.1	10.6
Queue Length 50th (ft)	20	108	1	180	~440	25	88	34	81
Queue Length 95th (ft)	52	156	6	222	#558	73	182	75	155
Internal Link Dist (ft)		639		1100		423			
Turn Bay Length (ft)	350		25						
Base Capacity (vph)	1563	5085	302	6139	795	636	1394	403	2405
Starvation Cap Reductn	0	0	0	0	92	0	0	0	89
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.06	0.14	0.00	0.20	1.14	0.07	0.67	0.19	0.28

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

## 53: Vista Sorrento Pkwy &amp; Lusk Blvd

Existing

Timing Plan: PM Peak



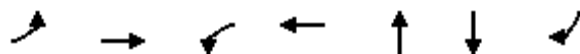
Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	323	1223	712	118	81
v/c Ratio	0.65	0.80	0.69	0.23	0.11
Control Delay	27.2	14.7	23.2	26.0	9.0
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	27.2	14.7	23.2	26.0	9.0
Queue Length 50th (ft)	93	148	106	18	12
Queue Length 95th (ft)	231	306	230	50	38
Internal Link Dist (ft)	488		2395		1722
Turn Bay Length (ft)	310			200	
Base Capacity (vph)	1635	2464	3200	1774	1863
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.20	0.50	0.22	0.07	0.04
Intersection Summary					

## Queues

## 54: Lusk Blvd &amp; Pacific Center Blvd

Existing

Timing Plan: PM Peak



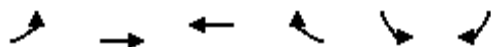
Lane Group	EBL	EBT	WBL	WBT	NBT	SBT	SBR
Lane Group Flow (vph)	49	395	3	249	89	173	514
v/c Ratio	0.12	0.23	0.01	0.25	0.24	0.56	0.57
Control Delay	25.3	9.4	27.3	12.9	11.8	24.1	3.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.3	9.4	27.3	12.9	11.8	24.1	3.9
Queue Length 50th (ft)	5	22	1	20	9	34	0
Queue Length 95th (ft)	22	73	10	63	23	121	49
Internal Link Dist (ft)		521		1342	104	1778	
Turn Bay Length (ft)	250		130				
Base Capacity (vph)	2395	3334	1235	3250	1283	1163	1421
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.02	0.12	0.00	0.08	0.07	0.15	0.36
Intersection Summary							

## Queues

Existing

## 55: Carroll Canyon Rd &amp; Scranton Rd

Timing Plan: PM Peak



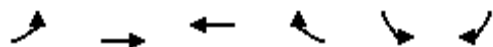
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	28	197	876	209	347	161
v/c Ratio	0.07	0.10	0.54	0.27	0.40	0.35
Control Delay	21.6	5.0	11.1	5.6	10.7	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	21.6	5.0	11.1	5.6	10.7	6.6
Queue Length 50th (ft)	2	10	56	9	17	0
Queue Length 95th (ft)	14	23	166	53	59	42
Internal Link Dist (ft)		2075	1816		262	
Turn Bay Length (ft)	170			130	90	
Base Capacity (vph)	2589	3574	3574	1576	2937	1303
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.06	0.25	0.13	0.12	0.12
Intersection Summary						

## Queues

Existing

## 56: Carroll Canyon Rd &amp; Pacific Heights Blvd

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	91	309	275	99	408	371
v/c Ratio	0.36	0.36	0.31	0.23	0.70	0.36
Control Delay	32.4	12.9	21.0	9.6	26.0	2.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	32.4	12.9	21.0	9.6	26.0	2.0
Queue Length 50th (ft)	28	65	41	6	113	0
Queue Length 95th (ft)	96	159	81	35	240	18
Internal Link Dist (ft)		211	979		448	
Turn Bay Length (ft)	125			50		
Base Capacity (vph)	923	1881	3277	1353	1443	1427
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.10	0.16	0.08	0.07	0.28	0.26
Intersection Summary						

## Queues

## 57: Lusk Blvd &amp; Barnes Canyon Rd

Existing

Timing Plan: PM Peak



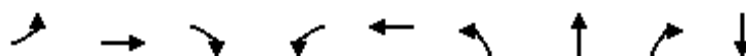
Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	62	211	37	239	16	142	62	89	588
v/c Ratio	0.27	0.25	0.17	0.36	0.08	0.15	0.13	0.34	0.41
Control Delay	33.4	17.2	34.2	21.4	35.3	20.3	6.6	32.8	13.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	33.4	17.2	34.2	21.4	35.3	20.3	6.6	32.8	13.8
Queue Length 50th (ft)	17	18	10	31	4	17	0	24	55
Queue Length 95th (ft)	79	72	57	91	33	59	26	85	147
Internal Link Dist (ft)		535		868		1676			1342
Turn Bay Length (ft)	155		150		120		245	145	
Base Capacity (vph)	1151	2661	1148	2670	1148	3237	1432	1148	3090
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.05	0.08	0.03	0.09	0.01	0.04	0.04	0.08	0.19
Intersection Summary									

## Queues

## 58: Pacific Heights Blvd &amp; Pacific Center Blvd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT
Lane Group Flow (vph)	17	44	406	120	292	105	16	95	137
v/c Ratio	0.12	0.06	0.48	0.38	0.27	0.24	0.03	0.21	0.32
Control Delay	37.3	23.3	2.6	32.2	18.0	24.2	23.4	7.5	23.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	37.3	23.3	2.6	32.2	18.0	24.2	23.4	7.5	23.6
Queue Length 50th (ft)	6	6	0	38	33	30	4	0	14
Queue Length 95th (ft)	31	23	15	106	80	60	15	6	38
Internal Link Dist (ft)	1778				1130		995		138
Turn Bay Length (ft)	190	270		220	90				
Base Capacity (vph)	816	3184	1369	970	3182	1292	1360	1148	2435
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.02	0.01	0.30	0.12	0.09	0.08	0.01	0.08	0.06
Intersection Summary									

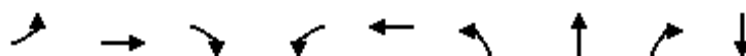


## Queues

## 59: Pacific Mesa Blvd &amp; Pacific Center Blvd

Existing

Timing Plan: PM Peak



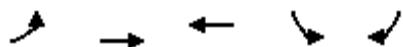
Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBT
Lane Group Flow (vph)	8	21	200	336	69	22	23	55	4
v/c Ratio	0.06	0.03	0.47	0.44	0.03	0.08	0.08	0.18	0.02
Control Delay	42.0	29.1	9.3	23.9	11.1	31.0	30.9	8.6	32.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	42.0	29.1	9.3	23.9	11.1	31.0	30.9	8.6	32.0
Queue Length 50th (ft)	3	3	0	79	3	7	7	0	1
Queue Length 95th (ft)	23	18	55	313	29	40	41	25	4
Internal Link Dist (ft)	1130		495			531		251	
Turn Bay Length (ft)	150	50		150	175				
Base Capacity (vph)	835	3136	1301	835	3131	1058	1062	1002	1172
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.01	0.15	0.40	0.02	0.02	0.02	0.05	0.00
Intersection Summary									

## Queues

Existing

## 60: Carroll Canyon Rd &amp; Business Access Rd

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	4	282	894	2	30
v/c Ratio	0.02	0.09	0.30	0.01	0.13
Control Delay	19.0	1.8	3.8	18.0	10.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	19.0	1.8	3.8	18.0	10.4
Queue Length 50th (ft)	1	0	0	0	0
Queue Length 95th (ft)	7	16	124	3	6
Internal Link Dist (ft)		554	2075	282	
Turn Bay Length (ft)	175				50
Base Capacity (vph)	1523	3574	3574	1673	1399
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.00	0.08	0.25	0.00	0.02
Intersection Summary					

## Queues

Existing

## 61: Scranton Rd &amp; Mira Sorrento PI

Timing Plan: PM Peak



Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Group Flow (vph)	83	62	334	147	746
v/c Ratio	0.44	0.30	0.80	0.10	0.81
Control Delay	55.4	15.6	56.0	2.8	29.3
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	55.4	15.6	56.0	2.8	29.3
Queue Length 50th (ft)	58	0	228	17	401
Queue Length 95th (ft)	110	41	332	37	#728
Internal Link Dist (ft)	1647			127	681
Turn Bay Length (ft)			110		
Base Capacity (vph)	642	564	481	1595	949
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.13	0.11	0.69	0.09	0.79

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

Existing

## 62: Carroll Canyon Rd &amp; Youngstown Wy

Timing Plan: PM Peak




Lane Group	EBL	EBT	WBT	SBL
Lane Group Flow (vph)	17	389	1034	219
v/c Ratio	0.07	0.20	0.56	0.51
Control Delay	20.1	4.8	9.1	9.4
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	20.1	4.8	9.1	9.4
Queue Length 50th (ft)	3	16	53	4
Queue Length 95th (ft)	21	39	175	34
Internal Link Dist (ft)		1816	749	438
Turn Bay Length (ft)	230			
Base Capacity (vph)	1427	3574	3562	1534
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.01	0.11	0.29	0.14
Intersection Summary				

## Queues

## 63: Black Mountain Rd &amp; Westview Pkwy

Existing

Timing Plan: PM Peak













							
Lane Group	WBL	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	23	359	1	1835	78	267	1098
v/c Ratio	0.11	0.56	0.01	0.74	0.11	0.70	0.29
Control Delay	41.6	8.1	56.0	23.8	6.5	47.2	5.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	41.6	8.1	56.0	23.8	6.5	47.2	5.1
Queue Length 50th (ft)	12	0	1	278	3	135	44
Queue Length 95th (ft)	41	40	7	620	38	324	190
Internal Link Dist (ft)				3219			792
Turn Bay Length (ft)	165		265		50	250	
Base Capacity (vph)	765	1391	574	3268	948	947	4430
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.26	0.00	0.56	0.08	0.28	0.25
Intersection Summary							

## Queues

## 64: Black Mountain Rd &amp; Capricorn Wy

Existing

Timing Plan: PM Peak

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	698	259	72	50	196	31	169	1112	100	39	583	443
v/c Ratio	1.43	0.21	0.12	0.49	0.45	0.10	0.62	0.52	0.15	0.50	0.41	0.80
Control Delay	242.3	35.5	0.4	83.8	63.4	0.7	67.7	33.7	4.0	89.8	44.6	37.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	242.3	35.5	0.4	83.8	63.4	0.7	67.7	33.7	4.0	89.8	44.6	37.5
Queue Length 50th (ft)	~892	94	0	48	97	0	154	300	0	38	170	227
Queue Length 95th (ft)	#1319	136	0	76	101	0	240	354	30	79	209	380
Internal Link Dist (ft)		209			123			612			3219	
Turn Bay Length (ft)	200		50	125		50	260		50	270		50
Base Capacity (vph)	489	1251	582	214	747	409	271	2132	673	99	1426	556
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.43	0.21	0.12	0.23	0.26	0.08	0.62	0.52	0.15	0.39	0.41	0.80

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

Existing

## 65: Black Mountain Rd &amp; Achilles Wy/Galvin Ave

Timing Plan: PM Peak



Lane Group	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	8	42	41	91	3	1334	228	41	640	2
v/c Ratio	0.04	0.35	0.34	0.26	0.03	0.52	0.21	0.33	0.23	0.00
Control Delay	0.2	49.0	48.6	8.0	44.3	5.2	2.3	48.5	4.4	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Total Delay	0.2	49.0	48.6	8.0	44.3	5.3	2.3	48.5	4.4	0.0
Queue Length 50th (ft)	0	26	25	0	2	118	11	24	34	0
Queue Length 95th (ft)	0	48	47	21	m3	m151	m26	56	130	0
Internal Link Dist (ft)	369		1499			365			606	
Turn Bay Length (ft)		195			145		50	250		50
Base Capacity (vph)	252	214	215	406	147	2578	1084	184	2809	1148
Starvation Cap Reductn	0	0	0	0	0	253	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.20	0.19	0.22	0.02	0.57	0.21	0.22	0.23	0.00

## Intersection Summary

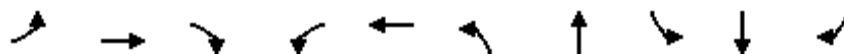
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 66: Black Mountain Rd &amp; Gemini Ave

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	416	222	213	116	199	329	1107	56	596	91
v/c Ratio	1.08	0.37	0.34	0.36	0.17	0.75	0.69	0.42	0.47	0.15
Control Delay	100.8	13.8	4.9	28.2	10.7	41.9	29.1	55.5	23.4	3.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	100.8	13.8	4.9	28.2	10.7	41.9	29.1	55.5	23.4	3.0
Queue Length 50th (ft)	~282	49	0	53	18	133	475	33	153	0
Queue Length 95th (ft)	#465	112	50	79	30	m158	524	79	211	3
Internal Link Dist (ft)		1034			682		714		365	
Turn Bay Length (ft)	160		85	75		150		130		50
Base Capacity (vph)	386	596	630	321	1139	515	1594	167	1267	596
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.08	0.37	0.34	0.36	0.17	0.64	0.69	0.34	0.47	0.15

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.



## Queues

## 67: Black Mountain Rd &amp; Hillery Dr

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	185	682	250	303	111	196	670	559	200	490	83
v/c Ratio	0.79	0.96	0.69	0.45	0.17	0.89	0.64	0.78	1.74	0.64	0.21
Control Delay	80.2	66.1	68.8	36.7	4.5	108.1	58.7	36.3	401.7	53.2	3.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	80.2	66.1	68.8	36.7	4.5	108.1	58.7	36.3	401.7	53.2	3.4
Queue Length 50th (ft)	160	578	111	204	0	183	226	243	~260	212	0
Queue Length 95th (ft)	235	#872	153	307	34	#310	316	370	#411	267	14
Internal Link Dist (ft)		814		575			1161			1467	
Turn Bay Length (ft)	90		285		340	210		135	210		50
Base Capacity (vph)	294	709	620	674	642	238	1046	718	115	765	394
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.63	0.96	0.40	0.45	0.17	0.82	0.64	0.78	1.74	0.64	0.21

## Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

Existing

## 68: Black Mountain Rd &amp; Miramar College Drwy

Timing Plan: PM Peak



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	93	109	1262	140	183	688
v/c Ratio	0.47	0.41	0.60	0.17	0.69	0.24
Control Delay	62.4	13.1	23.6	9.7	71.3	1.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	62.4	13.1	23.6	9.7	71.3	1.2
Queue Length 50th (ft)	81	0	516	63	164	16
Queue Length 95th (ft)	116	40	570	m87	m#297	m32
Internal Link Dist (ft)	705		1420			1161
Turn Bay Length (ft)	170			50	160	
Base Capacity (vph)	363	402	2113	839	265	2861
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.26	0.27	0.60	0.17	0.69	0.24

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 69: Black Mountain Rd &amp; Gold Coast Dr

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	260	173	485	33	215	197	254	919	55	136	637
v/c Ratio	0.86	0.31	0.79	0.36	0.74	0.60	0.87	0.63	0.10	0.78	0.56
Control Delay	79.3	37.2	27.2	72.3	69.4	26.3	57.7	26.4	1.9	88.0	33.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	79.3	37.2	27.2	72.3	69.4	26.3	57.7	26.4	1.9	88.0	33.6
Queue Length 50th (ft)	224	121	181	29	184	53	198	234	2	80	101
Queue Length 95th (ft)	316	172	311	64	257	130	m218	m327	m2	#229	#331
Internal Link Dist (ft)		3131			794			840			1420
Turn Bay Length (ft)	145		50	145		50	310		50	210	
Base Capacity (vph)	364	567	616	364	391	394	342	1453	566	183	1137
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.71	0.31	0.79	0.09	0.55	0.50	0.74	0.63	0.10	0.74	0.56

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 70: Black Mountain Rd &amp; Carroll Canyon Rd

Timing Plan: PM Peak



Lane Group	EBT	WBL	WBR	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	36	206	341	17	1492	448	553
v/c Ratio	0.39	0.37	0.78	0.22	0.93	0.83	0.24
Control Delay	62.8	52.3	67.5	84.9	36.5	72.7	4.8
Queue Delay	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Total Delay	62.8	52.3	67.5	84.9	36.8	72.7	4.8
Queue Length 50th (ft)	23	84	165	14	643	207	38
Queue Length 95th (ft)	41	109	198	m30	#922	244	83
Internal Link Dist (ft)	236				584		840
Turn Bay Length (ft)		400	135	185		310	
Base Capacity (vph)	97	639	502	128	1608	715	2305
Starvation Cap Reductn	0	0	0	0	7	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.37	0.32	0.68	0.13	0.93	0.63	0.24

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

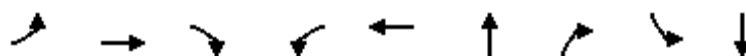
m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 71: Maya Linda Rd &amp; Carroll Canyon Rd

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	13	805	19	76	878	46	238	190	43
v/c Ratio	0.07	0.59	0.03	0.29	0.49	0.09	0.43	0.53	0.09
Control Delay	30.0	16.8	2.7	28.3	8.2	17.7	5.8	24.9	12.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.0	16.8	2.7	28.3	8.2	17.7	5.8	24.9	12.0
Queue Length 50th (ft)	4	104	0	22	51	11	0	52	5
Queue Length 95th (ft)	23	220	7	72	180	38	46	126	28
Internal Link Dist (ft)		1791			247	1085			240
Turn Bay Length (ft)	145		50	60			50	55	
Base Capacity (vph)	1102	3396	1323	1102	3119	1370	1111	1013	1293
Starvation Cap Reductn	0	0	0	0	471	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.24	0.01	0.07	0.33	0.03	0.21	0.19	0.03
Intersection Summary									

## Queues

## 72: Black Mountain Rd &amp; Maya Linda Rd

Existing

Timing Plan: PM Peak














Lane Group	EBT	WBL	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	12	22	30	3	1546	267	27	709
v/c Ratio	0.07	0.20	0.12	0.05	0.54	0.21	0.32	0.24
Control Delay	1.0	57.6	1.0	64.7	8.4	1.8	81.7	2.1
Queue Delay	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Total Delay	1.0	57.6	1.0	64.7	8.6	1.8	81.7	2.1
Queue Length 50th (ft)	0	19	0	3	217	4	25	2
Queue Length 95th (ft)	0	35	0	14	532	41	60	123
Internal Link Dist (ft)	213				873			584
Turn Bay Length (ft)		105	50	275			175	
Base Capacity (vph)	365	307	431	130	2855	1283	130	2990
Starvation Cap Reductn	0	0	0	0	425	0	0	0
Spillback Cap Reductn	0	0	14	0	359	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.07	0.07	0.02	0.64	0.21	0.21	0.24
Intersection Summary								

## Queues

Existing

## 73: Kearny Villa Rd &amp; Black Mountain Rd &amp; Carroll Center Rd

Timing Plan: PM Peak

											
Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	971	70	293	95	129	35	599	46	30	328	308
v/c Ratio	0.69	0.09	0.35	0.51	0.26	0.29	0.71	0.12	0.27	0.39	0.27
Control Delay	30.5	21.4	4.1	55.9	14.9	56.0	41.4	0.6	56.0	34.5	1.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.5	21.4	4.1	55.9	14.9	56.0	41.4	0.6	56.0	34.5	1.7
Queue Length 50th (ft)	255	27	0	57	9	21	183	0	18	91	0
Queue Length 95th (ft)	#550	70	56	129	35	65	305	1	58	168	37
Internal Link Dist (ft)	592			389			1969			873	
Turn Bay Length (ft)	220			70			180			220	
Base Capacity (vph)	1400	1124	1054	546	1623	546	1817	746	541	1822	1129
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.06	0.28	0.17	0.08	0.06	0.33	0.06	0.06	0.18	0.27

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

HCM 6th TWSC  
74: Kearny Villa Rd & Kearny Mesa Rd

Existing  
Timing Plan: PM Peak

Intersection

Int Delay, s/veh 0.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑↑	↑↑			↑
Traffic Vol, veh/h	0	1396	819	104	0	11
Future Vol, veh/h	0	1396	819	104	0	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1485	890	113	0	12

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	-	0	- 0 - 502
Stage 1	-	-	- - -
Stage 2	-	-	- - -
Critical Hdwy	-	-	- - 6.94
Critical Hdwy Stg 1	-	-	- - -
Critical Hdwy Stg 2	-	-	- - -
Follow-up Hdwy	-	-	- - 3.32
Pot Cap-1 Maneuver	0	-	- - 0 515
Stage 1	0	-	- - 0 -
Stage 2	0	-	- - 0 -
Platoon blocked, %	-	-	- - -
Mov Cap-1 Maneuver	-	-	- - 515
Mov Cap-2 Maneuver	-	-	- - -
Stage 1	-	-	- - -
Stage 2	-	-	- - -

Approach	EB	WB	SB
HCM Control Delay, s	0	0	12.2
HCM LOS			B

Minor Lane/Major Mvmt	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	-	-	-	515
HCM Lane V/C Ratio	-	-	-	0.023
HCM Control Delay (s)	-	-	-	12.2
HCM Lane LOS	-	-	-	B
HCM 95th %tile Q(veh)	-	-	-	0.1



## Queues

Existing

## 75: Black Mountain Rd &amp; Activity Rd

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	758	694	32	132	366	2	399
v/c Ratio	0.87	0.82	0.28	0.61	0.35	0.02	0.69
Control Delay	36.6	30.3	38.3	54.8	28.9	51.0	34.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	36.6	30.3	38.3	54.8	28.9	51.0	34.0
Queue Length 50th (ft)	453	358	11	82	95	1	87
Queue Length 95th (ft)	#884	#747	27	154	158	9	142
Internal Link Dist (ft)		1264	135		1093		592
Turn Bay Length (ft)	120			155		120	
Base Capacity (vph)	871	844	543	544	1448	544	1400
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.87	0.82	0.06	0.24	0.25	0.00	0.28

## Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

## Queues

## 76: Westview Pkwy &amp; Mira Lee Way

Existing

Timing Plan: PM Peak



Lane Group	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	60	122	122	48	25	603	440	88	442
v/c Ratio	0.23	0.41	0.40	0.15	0.15	0.51	0.55	0.36	0.29
Control Delay	34.6	36.3	36.2	6.3	43.2	25.8	5.9	40.5	18.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	34.6	36.3	36.2	6.3	43.2	25.8	5.9	40.5	18.1
Queue Length 50th (ft)	23	48	48	0	10	110	0	34	52
Queue Length 95th (ft)	52	132	132	17	47	272	83	114	181
Internal Link Dist (ft)	147		558			686			781
Turn Bay Length (ft)				205	305		325	165	
Base Capacity (vph)	1029	1034	1039	929	875	2913	1349	875	2909
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.06	0.12	0.12	0.05	0.03	0.21	0.33	0.10	0.15
Intersection Summary									

## Queues

Existing

## 77: Westview Pkwy &amp; Galvin Ave

Timing Plan: PM Peak



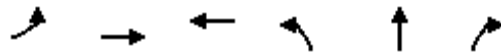
Lane Group	EBL	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	392	150	994	616	25
v/c Ratio	0.41	0.46	0.50	0.55	0.06
Control Delay	6.6	27.7	8.8	18.5	12.9
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	6.6	27.7	8.8	18.5	12.9
Queue Length 50th (ft)	10	38	73	73	3
Queue Length 95th (ft)	36	130	215	191	23
Internal Link Dist (ft)	1499		1016	686	
Turn Bay Length (ft)		165			50
Base Capacity (vph)	2805	1031	3539	3329	1306
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.14	0.15	0.28	0.19	0.02
Intersection Summary					

## Queues

Existing

## 78: I-15 NB Off-ramp/I-15 NB On-ramp &amp; Carroll Canyon Rd

Timing Plan: PM Peak



Lane Group	EBL	EBT	WBT	NBL	NBT	NBR
Lane Group Flow (vph)	460	687	1020	1314	1253	1233
v/c Ratio	1.16	0.35	1.07	2.27	1.97	1.91
Control Delay	114.4	6.7	79.5	597.3	461.1	433.9
Queue Delay	0.0	0.4	0.0	0.0	0.0	0.0
Total Delay	114.4	7.1	79.5	597.3	461.1	433.9
Queue Length 50th (ft)	~304	88	~325	~1288	~1157	~1074
Queue Length 95th (ft)	m#380	m103	#452	218	103	94
Internal Link Dist (ft)		303	947		291	
Turn Bay Length (ft)	125			365		165
Base Capacity (vph)	397	1937	957	579	637	647
Starvation Cap Reductn	0	713	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.16	0.56	1.07	2.27	1.97	1.91

## Intersection Summary

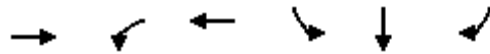
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 79: I-15 SB On-ramp/I-15 SB Off-ramp &amp; Carroll Canyon Rd

Timing Plan: PM Peak



Lane Group	EBT	WBL	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	1180	418	641	446	454	1068
v/c Ratio	1.03	1.41	0.33	0.77	0.78	1.62
Control Delay	64.9	219.5	4.2	37.0	37.8	307.7
Queue Delay	27.3	0.0	0.0	0.0	0.0	0.0
Total Delay	92.2	219.5	4.2	37.0	37.8	307.7
Queue Length 50th (ft)	~369	~324	31	235	241	~800
Queue Length 95th (ft)	#500	m139	m16	71	72	49
Internal Link Dist (ft)	247		303		883	
Turn Bay Length (ft)		115				50
Base Capacity (vph)	1144	297	1937	579	580	659
Starvation Cap Reductn	240	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.31	1.41	0.33	0.77	0.78	1.62

## Intersection Summary

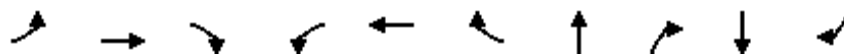
- ~ Volume exceeds capacity, queue is theoretically infinite.  
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.

## Queues

## 80: Kearny Mesa Rd &amp; Miramar Rd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	38	2601	95	49	1257	22	48	164	109	43
v/c Ratio	0.40	0.74	0.10	0.53	0.36	0.02	0.28	0.78	0.58	0.15
Control Delay	62.5	5.0	1.5	79.9	16.4	2.4	62.6	89.6	74.5	1.2
Queue Delay	0.0	0.9	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Total Delay	62.5	5.8	1.5	79.9	16.8	2.4	62.6	89.6	74.5	1.2
Queue Length 50th (ft)	42	138	5	52	271	1	46	169	109	0
Queue Length 95th (ft)	m47	m144	m6	m91	366	m4	76	215	132	0
Internal Link Dist (ft)		405			262		838		455	
Turn Bay Length (ft)	160		50	170		50		50		50
Base Capacity (vph)	107	3500	972	127	3472	960	251	309	280	375
Starvation Cap Reductn	0	541	0	0	1517	0	0	0	0	0
Spillback Cap Reductn	0	39	0	0	144	0	0	0	0	2
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.36	0.88	0.10	0.39	0.64	0.02	0.19	0.53	0.39	0.12

## Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

## Queues

Existing

## 81: Camino Santa Fe &amp; Top Gun St

Timing Plan: PM Peak



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	573	316	103	478	326	92
v/c Ratio	0.64	0.35	0.51	0.39	0.52	0.30
Control Delay	19.7	6.1	43.1	19.9	32.7	14.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	19.7	6.1	43.1	19.9	32.7	14.0
Queue Length 50th (ft)	184	26	47	91	76	10
Queue Length 95th (ft)	402	95	106	127	121	49
Internal Link Dist (ft)	719			668	2022	
Turn Bay Length (ft)	265		270			50
Base Capacity (vph)	901	907	676	3539	2703	1111
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.64	0.35	0.15	0.14	0.12	0.08
Intersection Summary						

## Queues

## 82: Camino Santa Fe &amp; Miratech Dr

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	106	104	64	6	1204	1	520	14
v/c Ratio	0.32	0.28	0.18	0.02	0.48	0.01	0.21	0.02
Control Delay	30.0	16.1	10.4	37.5	13.7	40.0	11.8	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.0	16.1	10.4	37.5	13.7	40.0	11.8	0.1
Queue Length 50th (ft)	21	6	0	0	55	0	20	0
Queue Length 95th (ft)	111	54	18	10	341	7	130	0
Internal Link Dist (ft)		465			1524		2392	
Turn Bay Length (ft)	280		375	270		275		50
Base Capacity (vph)	1414	1359	1276	2214	4551	1141	4551	1311
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.07	0.08	0.05	0.00	0.26	0.00	0.11	0.01
Intersection Summary								



## Queues

Existing

## 83: Camino Santa Fe &amp; Summers Ridge Rd

Timing Plan: PM Peak



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	20	105	13	1236	552	5
v/c Ratio	0.05	0.14	0.03	0.40	0.19	0.01
Control Delay	12.5	3.8	24.8	8.8	9.8	11.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	12.5	3.8	24.8	8.8	9.8	11.0
Queue Length 50th (ft)	3	0	1	49	19	0
Queue Length 95th (ft)	13	5	11	212	110	8
Internal Link Dist (ft)	797			1077	1524	
Turn Bay Length (ft)	270	230	245			50
Base Capacity (vph)	1555	2461	2492	4816	4811	1381
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.04	0.01	0.26	0.11	0.00
Intersection Summary						

## Queues

## 84: Camino Santa Fe &amp; Trade St

Existing

Timing Plan: PM Peak



Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	75	152	140	4	1141	127	67	565	2
v/c Ratio	0.39	0.53	0.39	0.05	0.68	0.18	0.43	0.28	0.00
Control Delay	30.7	50.2	15.3	59.8	26.4	11.3	59.4	13.9	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.7	50.2	15.3	59.8	26.4	11.3	59.4	13.9	0.0
Queue Length 50th (ft)	19	90	12	2	285	20	40	81	0
Queue Length 95th (ft)	34	217	83	17	586	81	114	224	0
Internal Link Dist (ft)	179		1091		1144			923	
Turn Bay Length (ft)		290		185		50	200		50
Base Capacity (vph)	711	667	681	540	2162	906	540	2224	927
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.11	0.23	0.21	0.01	0.53	0.14	0.12	0.25	0.00
Intersection Summary									

## Queues

Existing

## 85: Nancy Ridge Rd &amp; Carroll Canyon Rd

Timing Plan: PM Peak



Lane Group	EBT	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	404	8	675	248	56
v/c Ratio	0.31	0.02	0.46	0.52	0.12
Control Delay	10.1	6.3	9.5	17.4	5.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	10.1	6.3	9.5	17.4	5.4
Queue Length 50th (ft)	25	1	47	41	0
Queue Length 95th (ft)	81	6	96	110	18
Internal Link Dist (ft)	749		129	569	
Turn Bay Length (ft)		75		80	
Base Capacity (vph)	3481	1443	3574	1684	1509
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.12	0.01	0.19	0.15	0.04
Intersection Summary					

## Queues

## 86: Rehco Rd &amp; Carroll Rd

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBT	SBT
Lane Group Flow (vph)	6	791	5	13	276	27	60	310
v/c Ratio	0.01	0.83	0.01	0.09	0.29	0.04	0.12	0.75
Control Delay	8.6	21.9	0.0	10.8	10.4	4.1	8.9	33.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	8.6	21.9	0.0	10.8	10.4	4.1	8.9	33.2
Queue Length 50th (ft)	1	219	0	2	53	0	3	95
Queue Length 95th (ft)	7	448	0	12	110	10	32	168
Internal Link Dist (ft)		393			1173		388	502
Turn Bay Length (ft)	110		50	150		50		
Base Capacity (vph)	886	1502	1168	235	1493	1162	860	712
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.01	0.53	0.00	0.06	0.18	0.02	0.07	0.44
Intersection Summary								

## Queues

## 87: Carroll Rd &amp; Kenamar Dr

Existing

Timing Plan: PM Peak



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	4	217	31	1	177	125	31	555
v/c Ratio	0.01	0.44	0.07	0.01	0.23	0.11	0.15	0.59
Control Delay	0.0	22.5	3.4	33.0	14.1	1.0	30.1	14.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	0.0	22.5	3.4	33.0	14.1	1.0	30.1	14.0
Queue Length 50th (ft)	0	48	0	0	37	0	8	93
Queue Length 95th (ft)	0	134	3	5	97	10	43	320
Internal Link Dist (ft)	75	540			753			1605
Turn Bay Length (ft)			100	275			130	
Base Capacity (vph)	1356	1400	1226	1083	1736	1476	1083	1736
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.00	0.15	0.03	0.00	0.10	0.08	0.03	0.32
Intersection Summary								

Queues  
88: Camino Ruiz & Teresa Dr/Capricorn Wy

Existing  
Timing Plan: PM Peak



Lane Group	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	83	53	246	74	58	462	205	322	788	2
v/c Ratio	0.21	0.13	0.77	0.18	0.37	0.66	0.57	0.60	0.45	0.00
Control Delay	26.7	8.2	46.2	9.6	44.1	35.4	21.6	29.3	15.7	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.7	8.2	46.2	9.6	44.1	35.4	21.6	29.3	15.7	0.0
Queue Length 50th (ft)	33	0	115	4	28	113	42	127	132	0
Queue Length 95th (ft)	64	20	216	37	73	183	120	#302	240	0
Internal Link Dist (ft)	370		457			3317			1936	
Turn Bay Length (ft)		70		130	140		50	140		50
Base Capacity (vph)	813	806	670	803	637	2548	1029	536	2548	1011
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.10	0.07	0.37	0.09	0.09	0.18	0.20	0.60	0.31	0.00

Intersection Summary

# 95th percentile volume exceeds capacity, queue may be longer.  
Queue shown is maximum after two cycles.

## Queues

## 89: Camino Ruiz &amp; Gold Coast Dr

Existing

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	91	313	185	61	207	80	1052	77	202	601	117
v/c Ratio	0.73	0.69	0.39	0.76	0.60	0.62	0.70	0.11	1.04	0.36	0.16
Control Delay	79.5	43.7	8.3	100.6	43.9	66.7	28.8	1.8	120.9	20.8	5.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	79.5	43.7	8.3	100.6	43.9	66.7	28.8	1.8	120.9	20.8	5.4
Queue Length 50th (ft)	61	195	9	41	127	52	297	0	~147	138	2
Queue Length 95th (ft)	#139	258	57	#113	178	#109	#467	12	#281	210	38
Internal Link Dist (ft)		546			2084		955			505	
Turn Bay Length (ft)	115		50	215		130		50	100		50
Base Capacity (vph)	131	596	575	80	502	146	1510	674	195	1659	721
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.53	0.32	0.76	0.41	0.55	0.70	0.11	1.04	0.36	0.16

## Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

# 95th percentile volume exceeds capacity, queue may be longer.











Queue shown is maximum after two cycles.

## Queues

Existing

## 90: Westview Pkwy &amp; Capricorn Wy/Dauntless St

Timing Plan: PM Peak

										
Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	96	249	63	30	189	413	67	3	255	14
v/c Ratio	0.28	0.46	0.21	0.07	0.49	0.22	0.09	0.02	0.29	0.04
Control Delay	19.5	6.1	18.6	14.2	25.4	8.3	5.4	30.7	17.3	0.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	19.5	6.1	18.6	14.2	25.4	8.3	5.4	30.7	17.3	0.7
Queue Length 50th (ft)	19	0	12	4	37	21	2	1	25	0
Queue Length 95th (ft)	72	41	40	19	167	106	31	11	87	2
Internal Link Dist (ft)	1376			824		781			3018	
Turn Bay Length (ft)		130	100		270		50	140		50
Base Capacity (vph)	1317	1381	1122	1539	1216	3295	1290	1216	3299	1268
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.07	0.18	0.06	0.02	0.16	0.13	0.05	0.00	0.08	0.01
Intersection Summary										



Intersection

Intersection Delay, s/veh 79

Intersection LOS F

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕	↕		↕	↕	
Traffic Vol, veh/h	2	21	33	62	14	97	0	42	227	133	503	940	3
Future Vol, veh/h	2	21	33	62	14	97	0	42	227	133	503	940	3
Peak Hour Factor	0.78	0.78	0.78	0.86	0.86	0.86	0.92	0.87	0.87	0.87	0.90	0.90	0.90
Heavy Vehicles, %	2	2	2	2	2	2	6	6	6	6	6	6	6
Mvmt Flow	3	27	42	72	16	113	0	48	261	153	559	1044	3
Number of Lanes	0	1	0	0	1	0	0	1	2	0	1	2	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	3	3
Conflicting Approach Left SB		NB	EB	WB
Conflicting Lanes Left	3	3	1	1
Conflicting Approach Right NB		SB	WB	EB
Conflicting Lanes Right	3	3	1	1
HCM Control Delay	13.4	18.3	16	107.6
HCM LOS	B	C	C	F

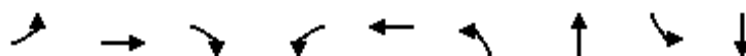
Lane	NBLn1	NBLn2	NBLn3	EBLn1	WBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	100%	0%	0%	4%	36%	100%	0%	0%
Vol Thru, %	0%	100%	36%	38%	8%	0%	100%	99%
Vol Right, %	0%	0%	64%	59%	56%	0%	0%	1%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	42	151	209	56	173	503	627	316
LT Vol	42	0	0	2	62	503	0	0
Through Vol	0	151	76	21	14	0	627	313
RT Vol	0	0	133	33	97	0	0	3
Lane Flow Rate	48	174	240	72	201	559	696	351
Geometry Grp	7	7	7	7	7	7	7	7
Degree of Util (X)	0.109	0.369	0.48	0.169	0.46	1.104	1.277	0.644
Departure Headway (Hd)	8.577	8.064	7.605	8.86	8.557	7.112	6.601	6.594
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	420	449	477	407	424	509	550	545
Service Time	6.277	5.764	5.305	6.56	6.257	4.899	4.387	4.38
HCM Lane V/C Ratio	0.114	0.388	0.503	0.177	0.474	1.098	1.265	0.644
HCM Control Delay	12.3	15.4	17.1	13.4	18.3	97.5	159.6	20.7
HCM Lane LOS	B	C	C	B	C	F	F	C
HCM 95th-tile Q	0.4	1.7	2.6	0.6	2.4	18	27.9	4.6

## Queues

Existing

## 92: Pacific Heights Blvd &amp; Barnes Canyon Rd

Timing Plan: PM Peak



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	70	25	227	55	37	168	159	31	597
v/c Ratio	0.26	0.06	0.43	0.18	0.09	0.38	0.09	0.16	0.52
Control Delay	20.8	17.7	5.8	19.2	14.3	27.1	7.4	30.2	16.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	20.8	17.7	5.8	19.2	14.3	27.1	7.4	30.2	16.9
Queue Length 50th (ft)	18	6	0	14	6	23	5	9	66
Queue Length 95th (ft)	55	25	45	42	26	71	34	42	176
Internal Link Dist (ft)		868			93		499		995
Turn Bay Length (ft)	185					230		150	
Base Capacity (vph)	879	1437	1233	1043	1366	1673	3086	1024	3214
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.08	0.02	0.18	0.05	0.03	0.10	0.05	0.03	0.19
Intersection Summary									



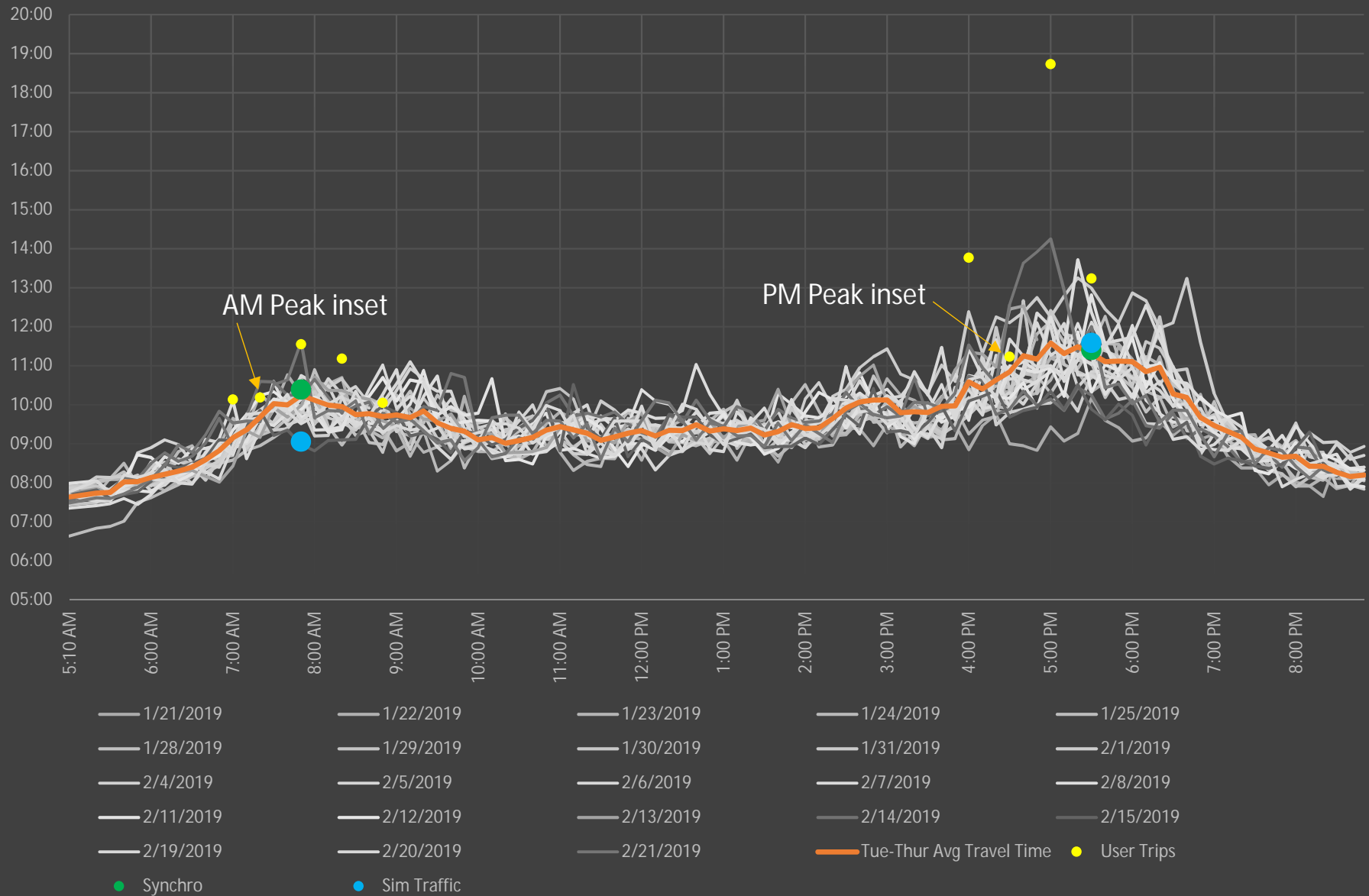
## APPENDIX G

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### TRAVEL TIME DATA

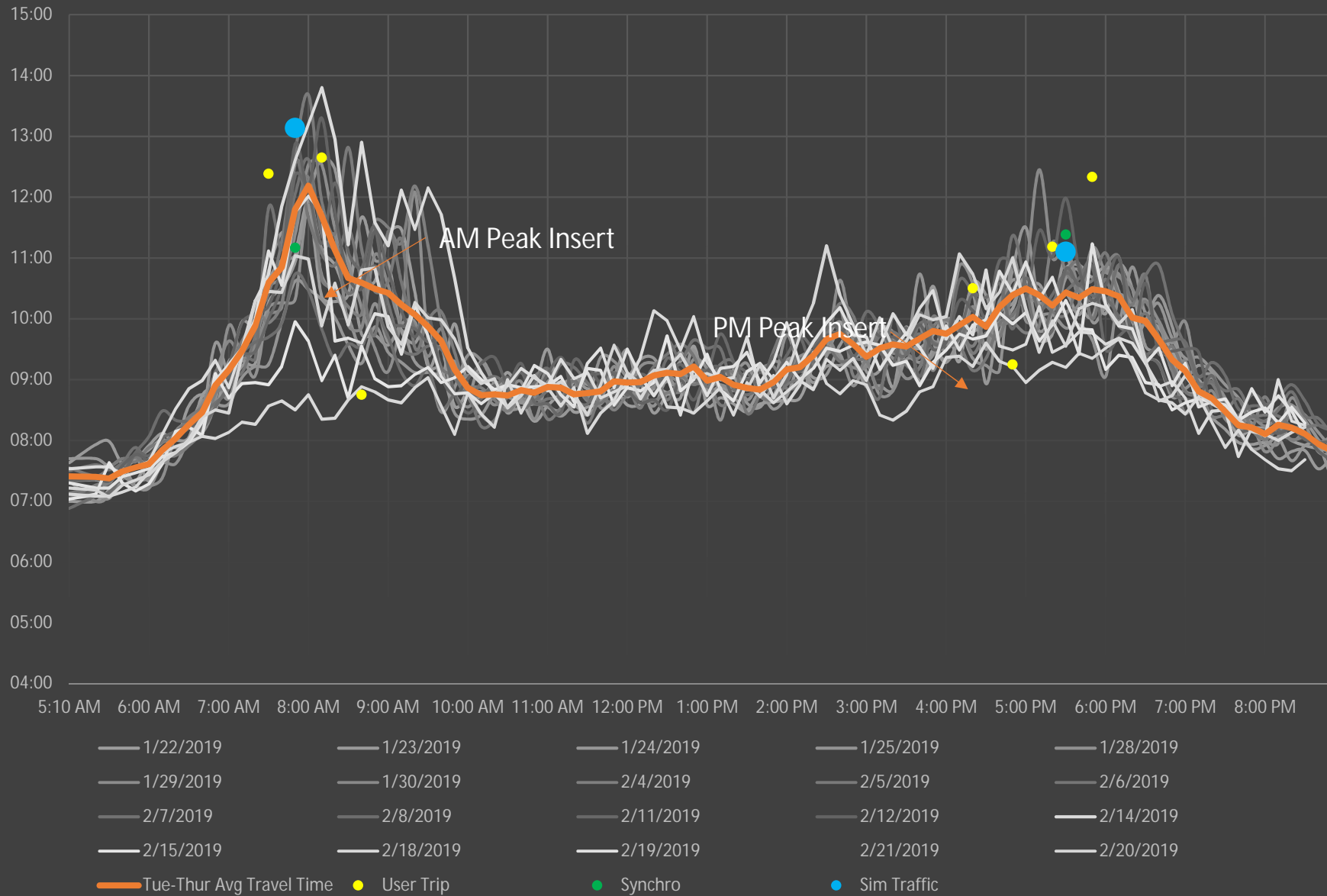
# Travel Time Graph

## Black Mountain Rd Northbound between Miramar Rd and Mercy Rd



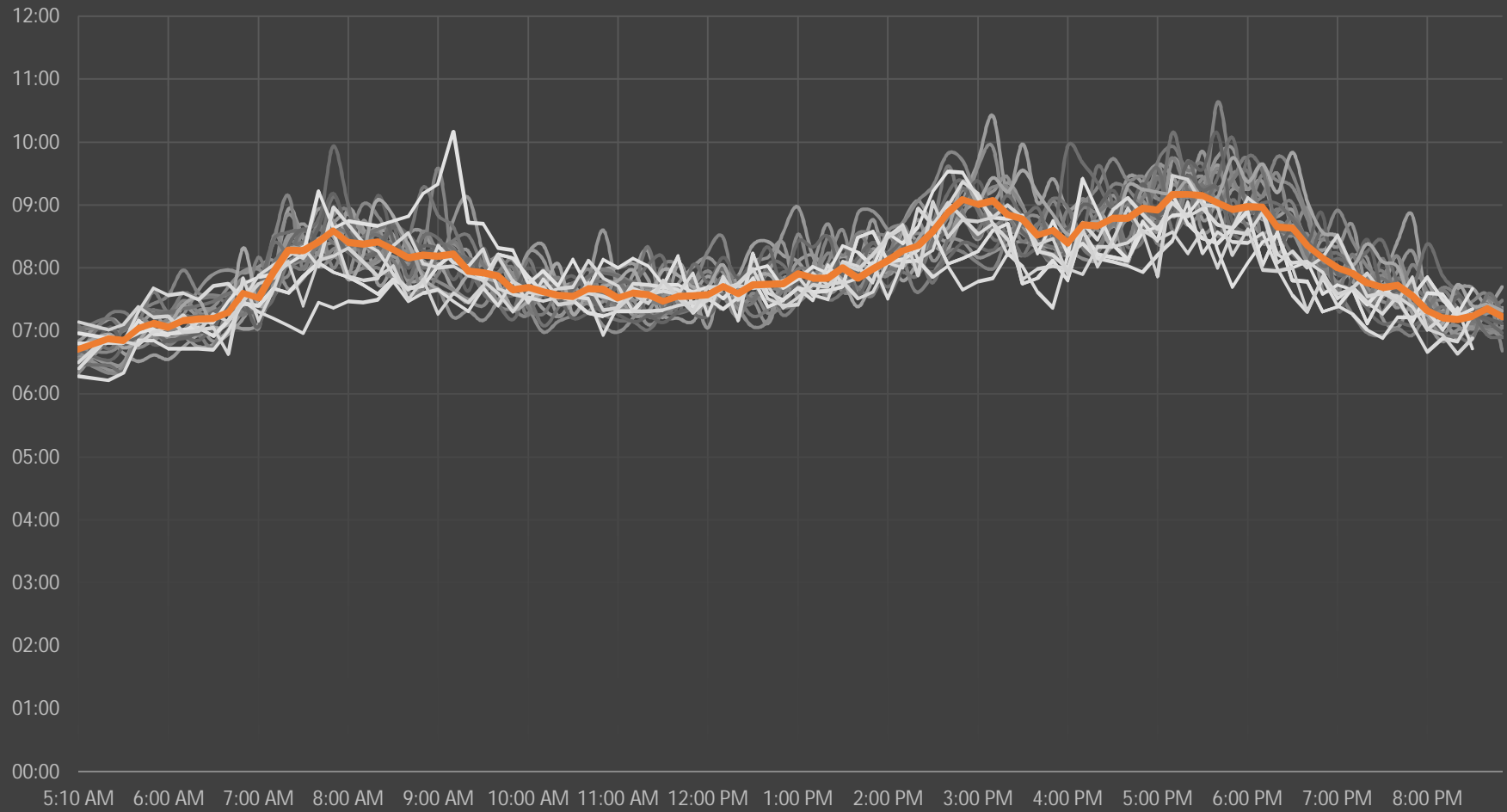
## Travel Time Graph

### Black Mountain Rd Southbound between Mercy Rd and Miramar Rd



# Travel Time Graph

## Camino Ruiz Northbound between Miramar Rd and Calle Cristobal

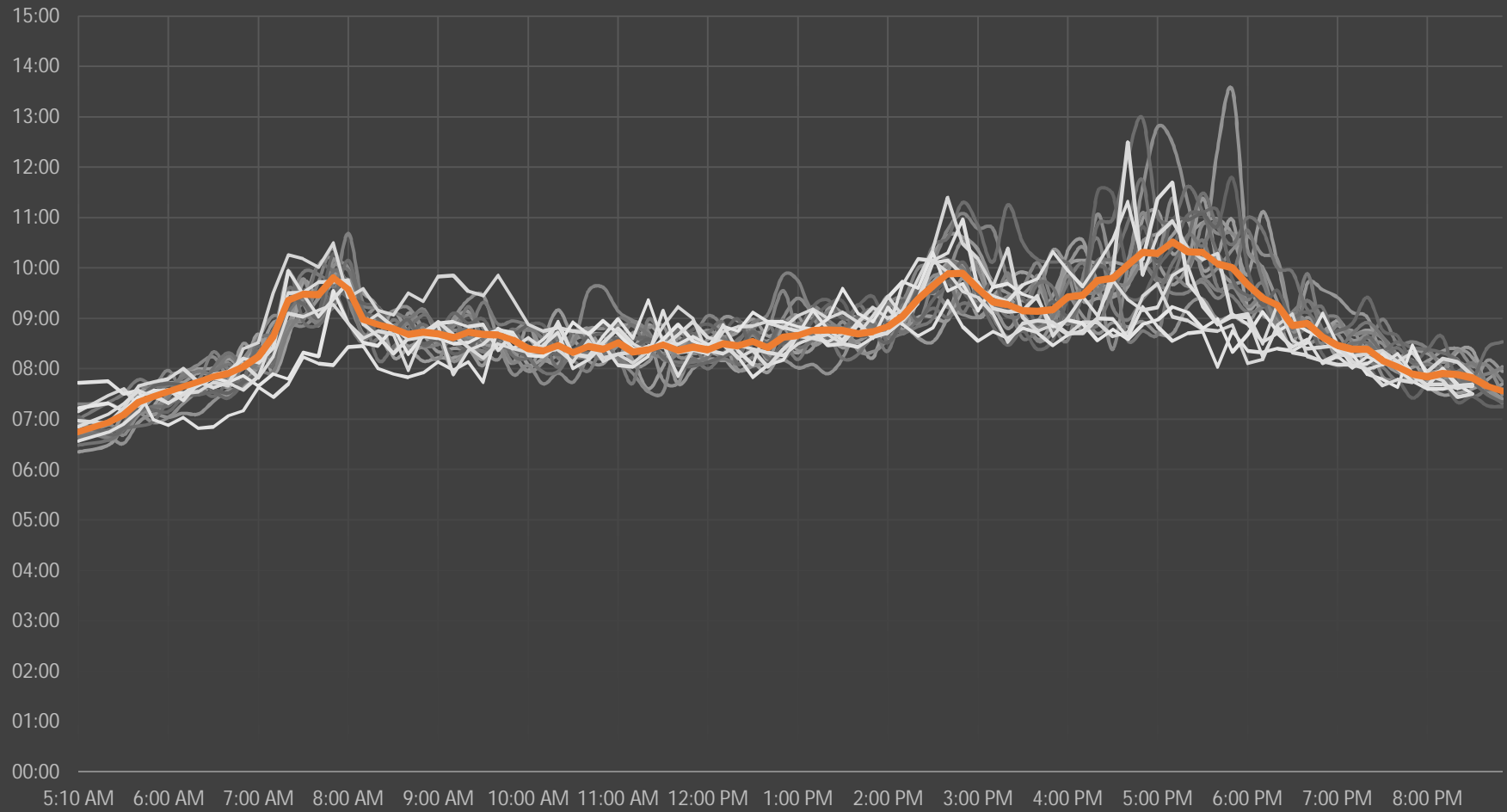


Legend:

- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 1/31/2019
- 2/1/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/13/2019
- 2/15/2019
- 2/14/2019
- 2/15/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time

# Travel Time Graph

## Camino Ruiz Southbound between Calle Cristobal and Miramar Rd

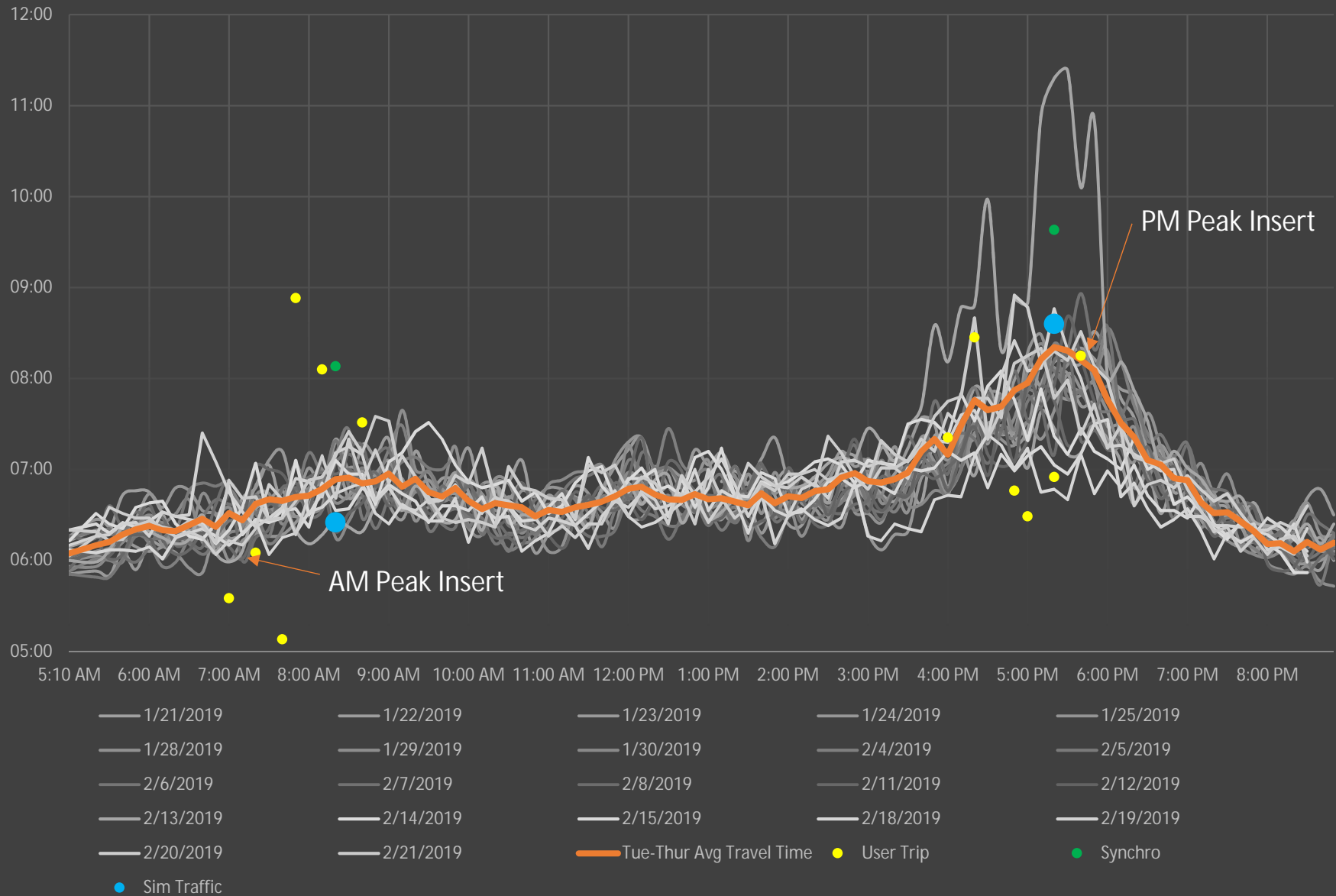


1/22/2019 1/23/2019 1/24/2019 1/25/2019 1/28/2019  
1/29/2019 1/30/2019 2/1/2019 2/4/2019 2/5/2019  
2/6/2019 2/7/2019 2/8/2019 2/11/2019 2/12/2019  
2/14/2019 2/15/2019 2/18/2019 2/19/2019 2/20/2019  
2/21/2019 Tue-Thur Avg Travel Time



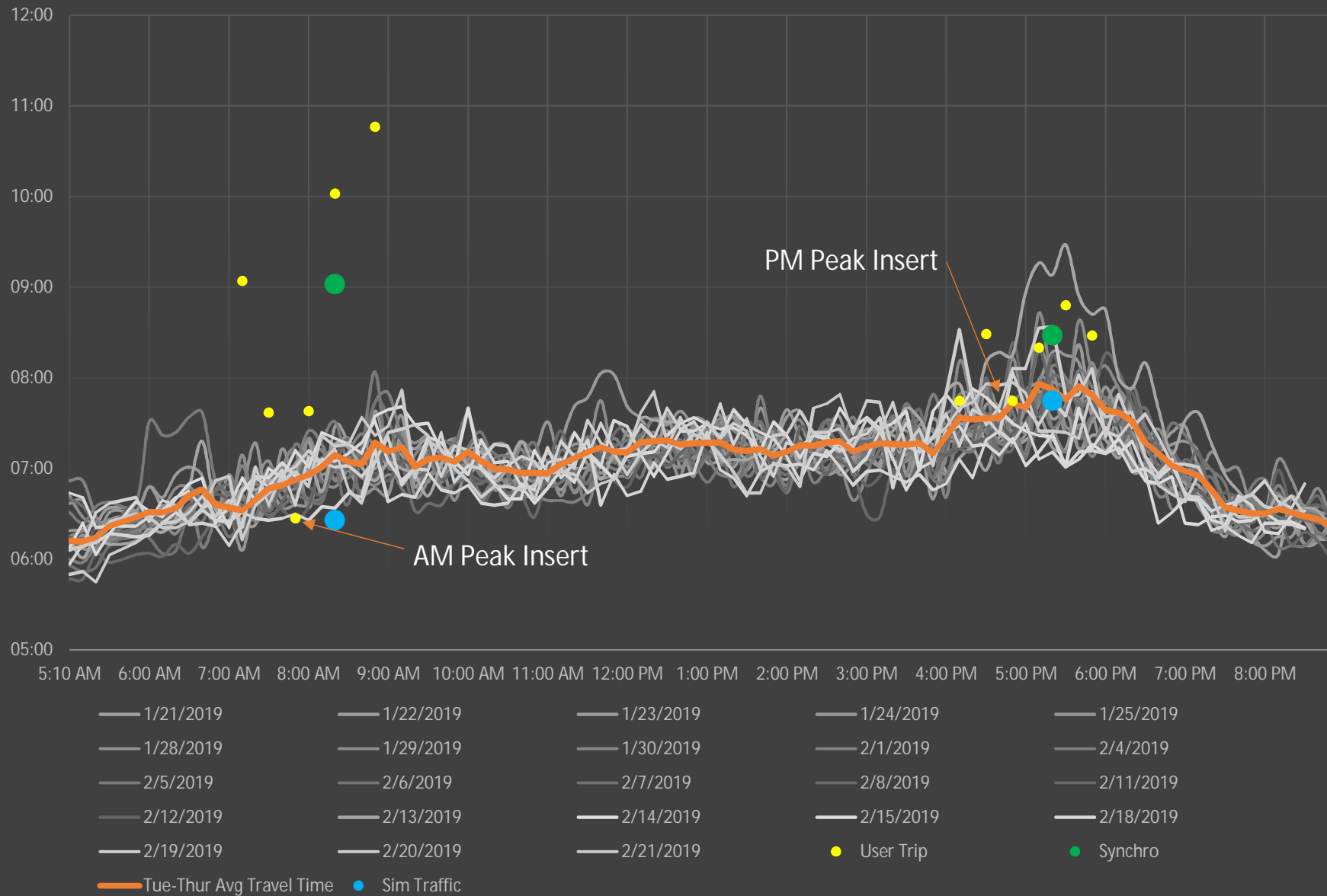
# Travel Time Graph

## Camino Santa Fe Northbound between Miramar Rd and Calle Cristobal



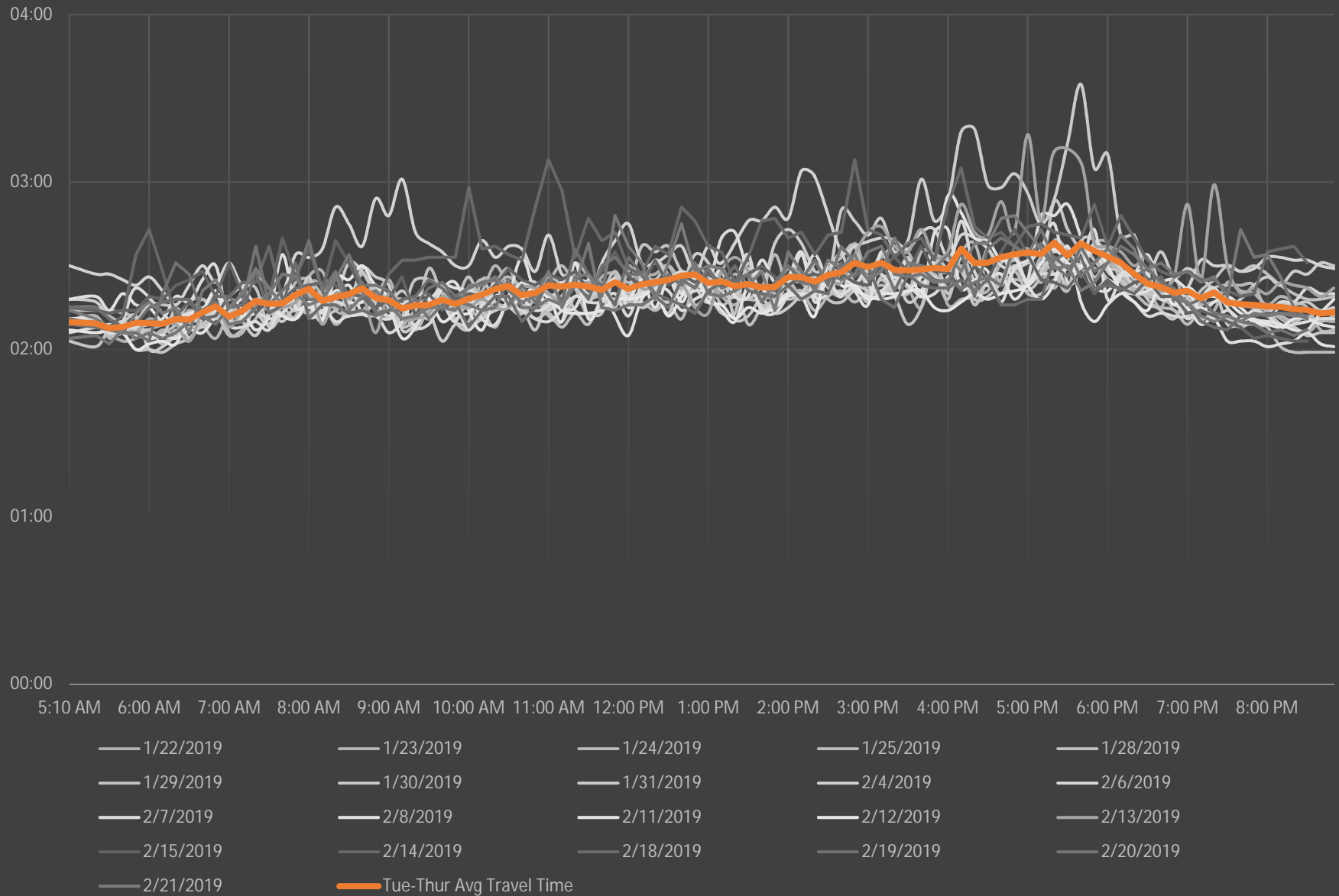
# Travel Time Graph

## Camino Santa Fe Southbound between Calle Cristobal and Miramar Rd



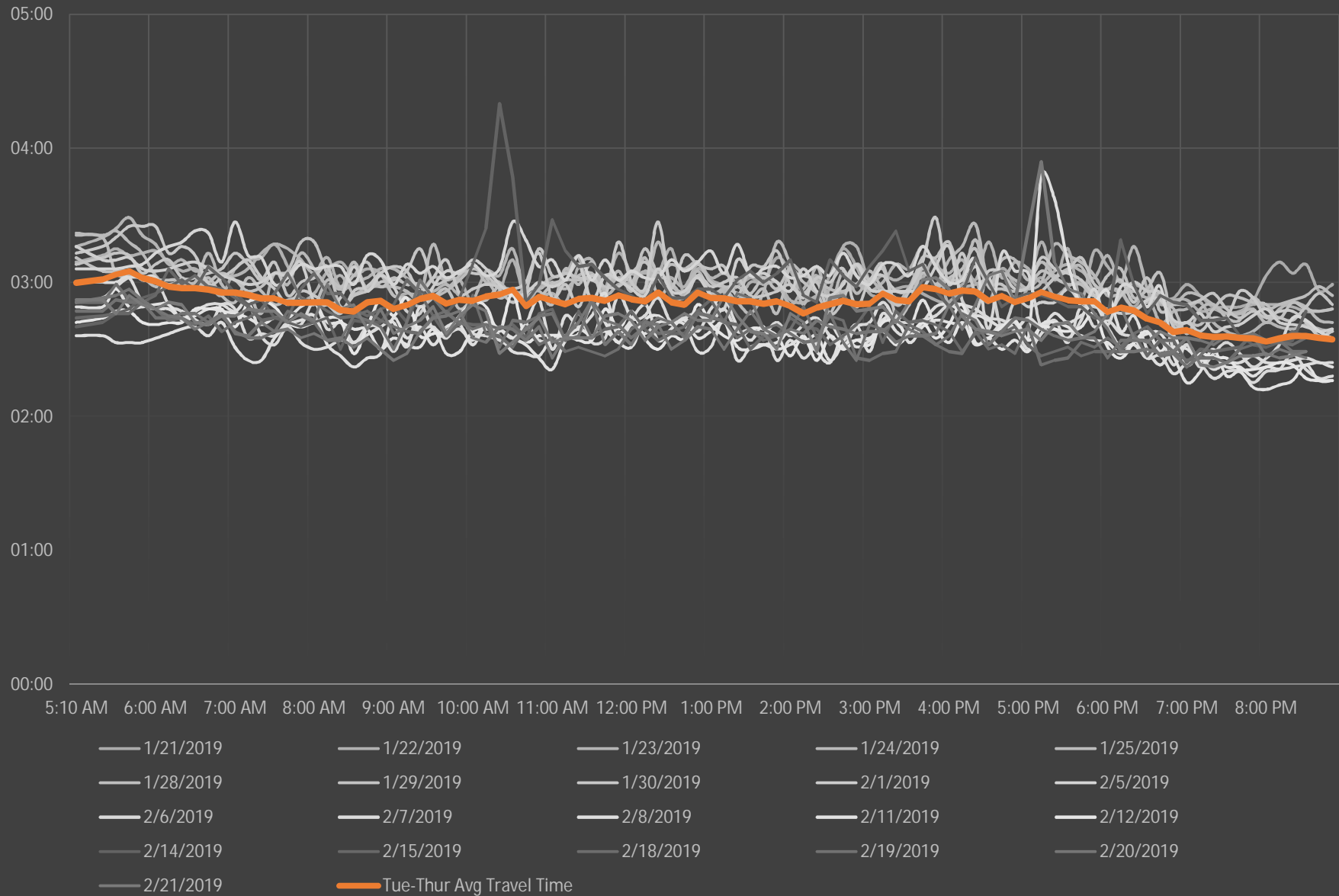
# Travel Time Graph

## Carroll Canyon Rd Eastbound between I-805 and Carroll Rd



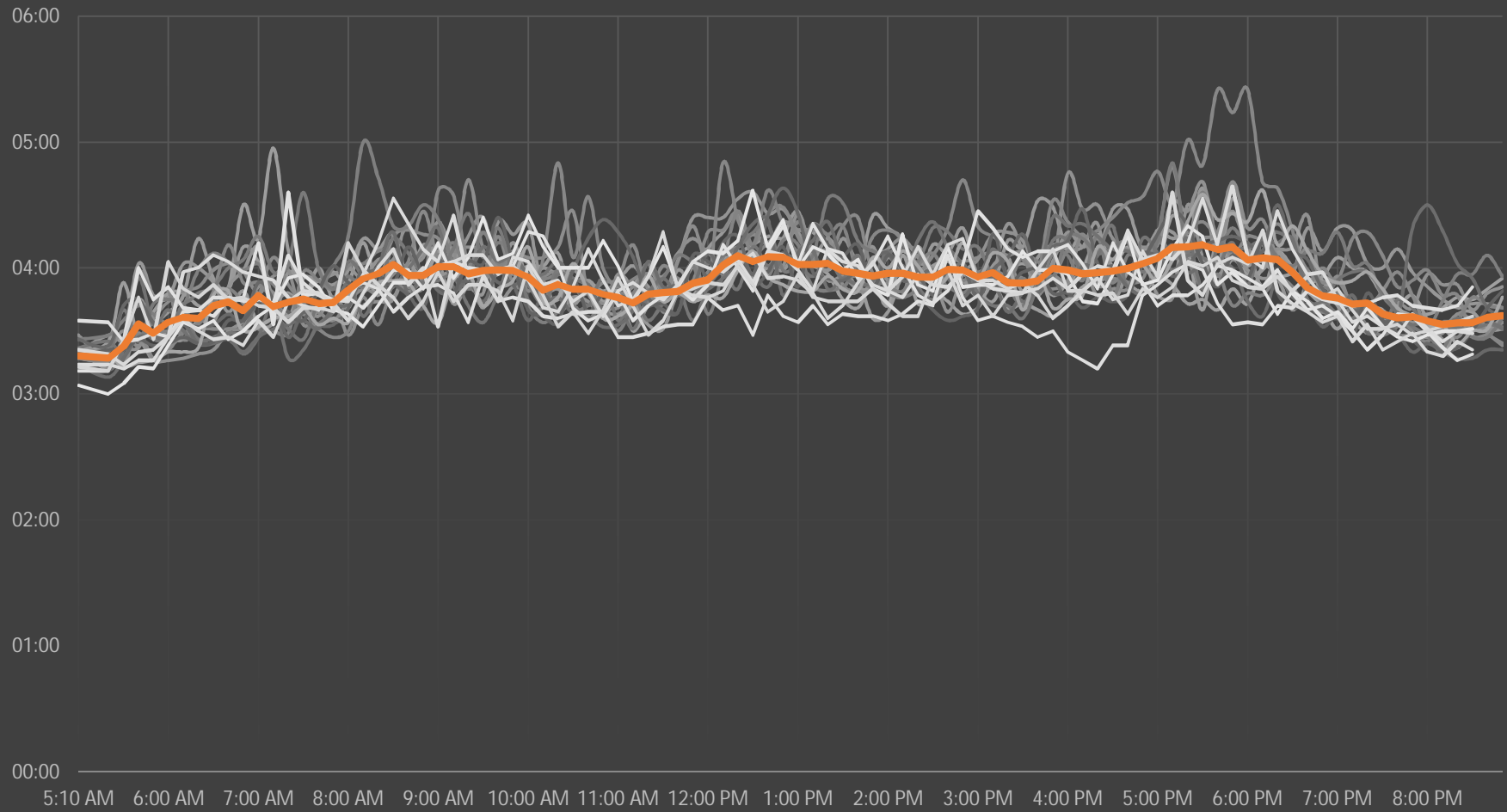
# Travel Time Graph

## Carroll Canyon Rd Westbound between Carroll Rd and I-805



# Travel Time Graph

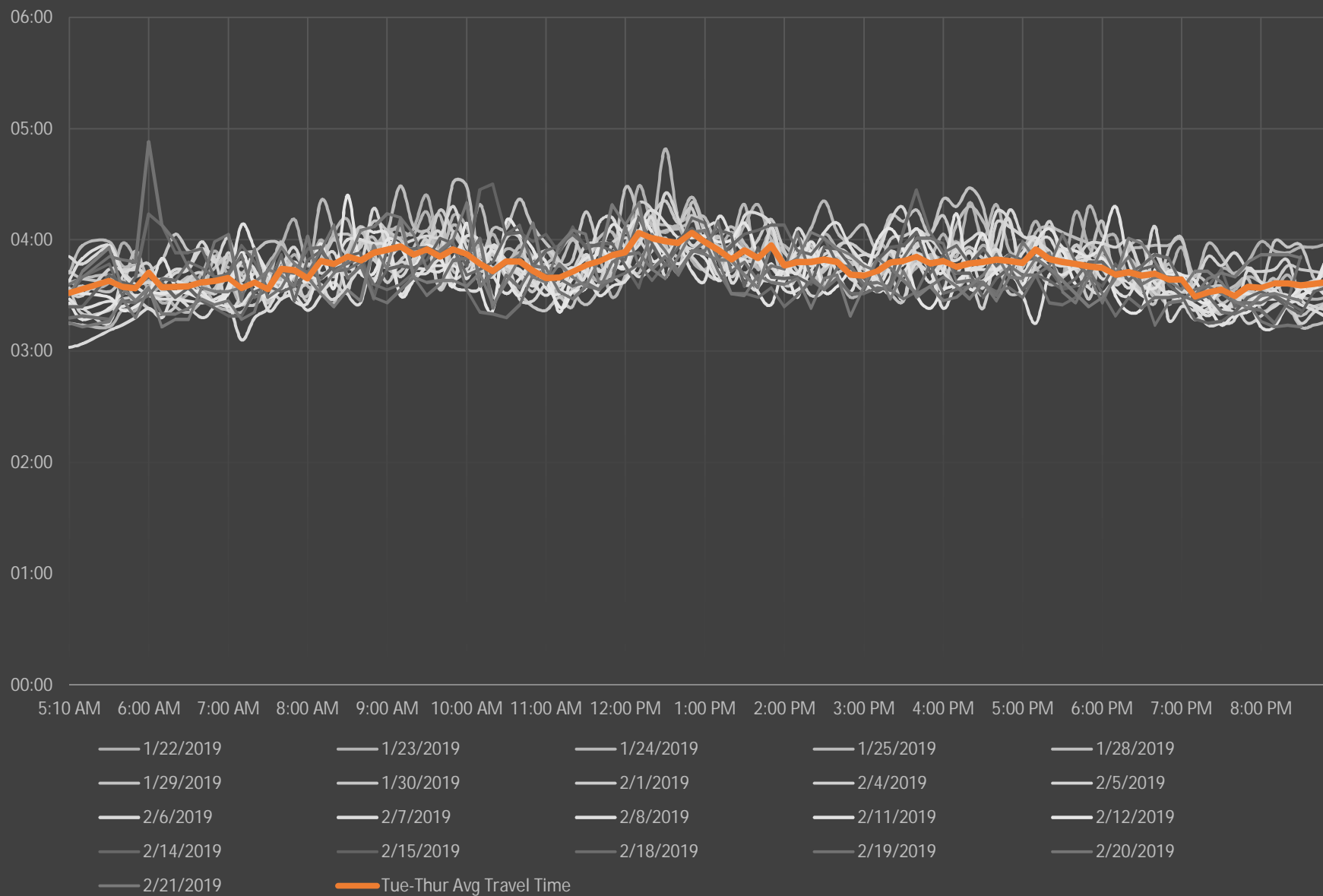
## Lusk Blvd Eastbound between Vista Sorrento Pkwy and Mira Mesa Blvd



1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019
1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019
2/4/2019	2/5/2019	2/6/2019	2/7/2019	2/8/2019
2/11/2019	2/12/2019	2/13/2019	2/15/2019	2/14/2019
2/18/2019	2/19/2019	2/20/2019	2/21/2019	Tue-Thur Avg Travel Time

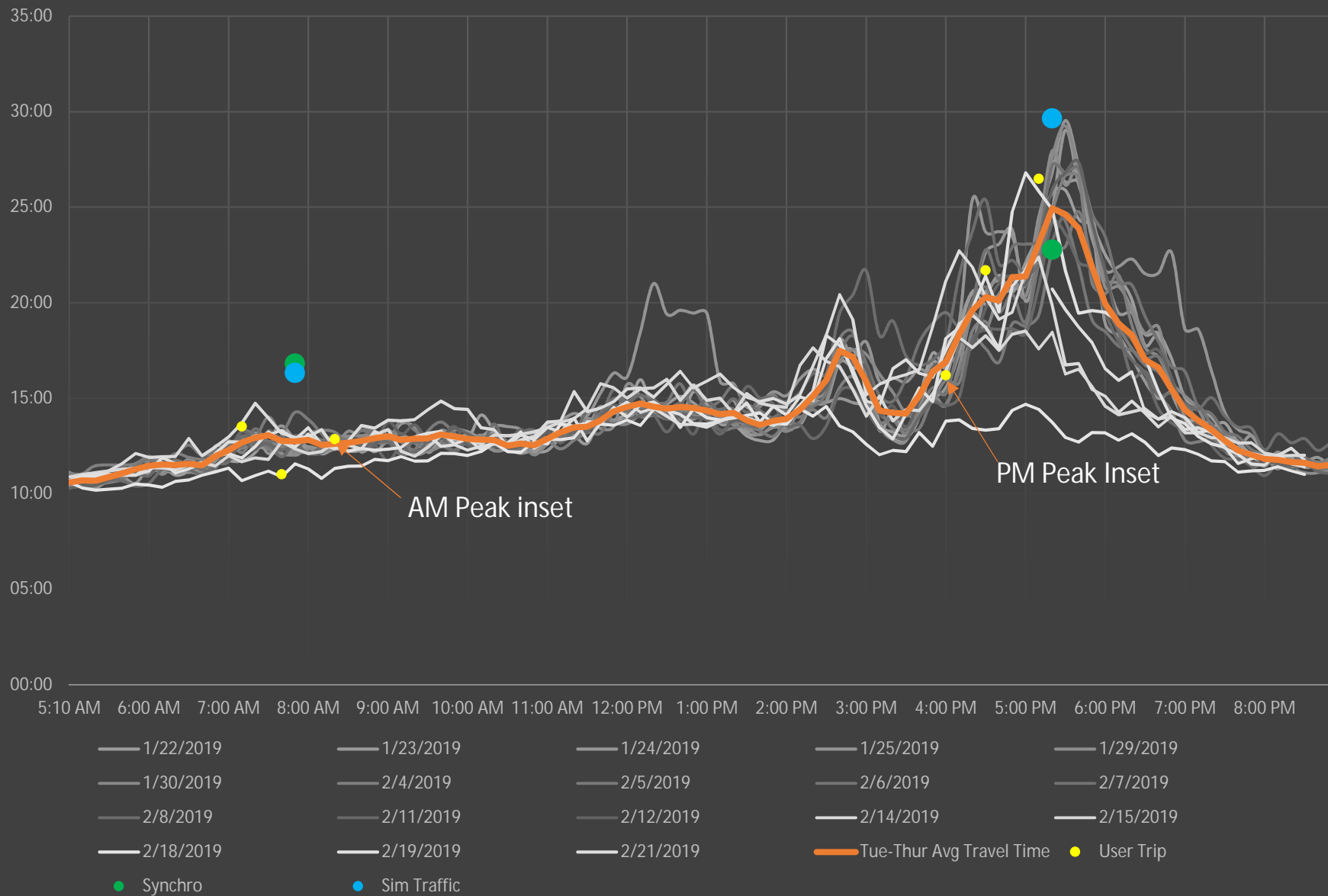
# Travel Time Graph

## Lusk Blvd Westbound between Mira Mesa Blvd and Vista Sorrento Pkwy



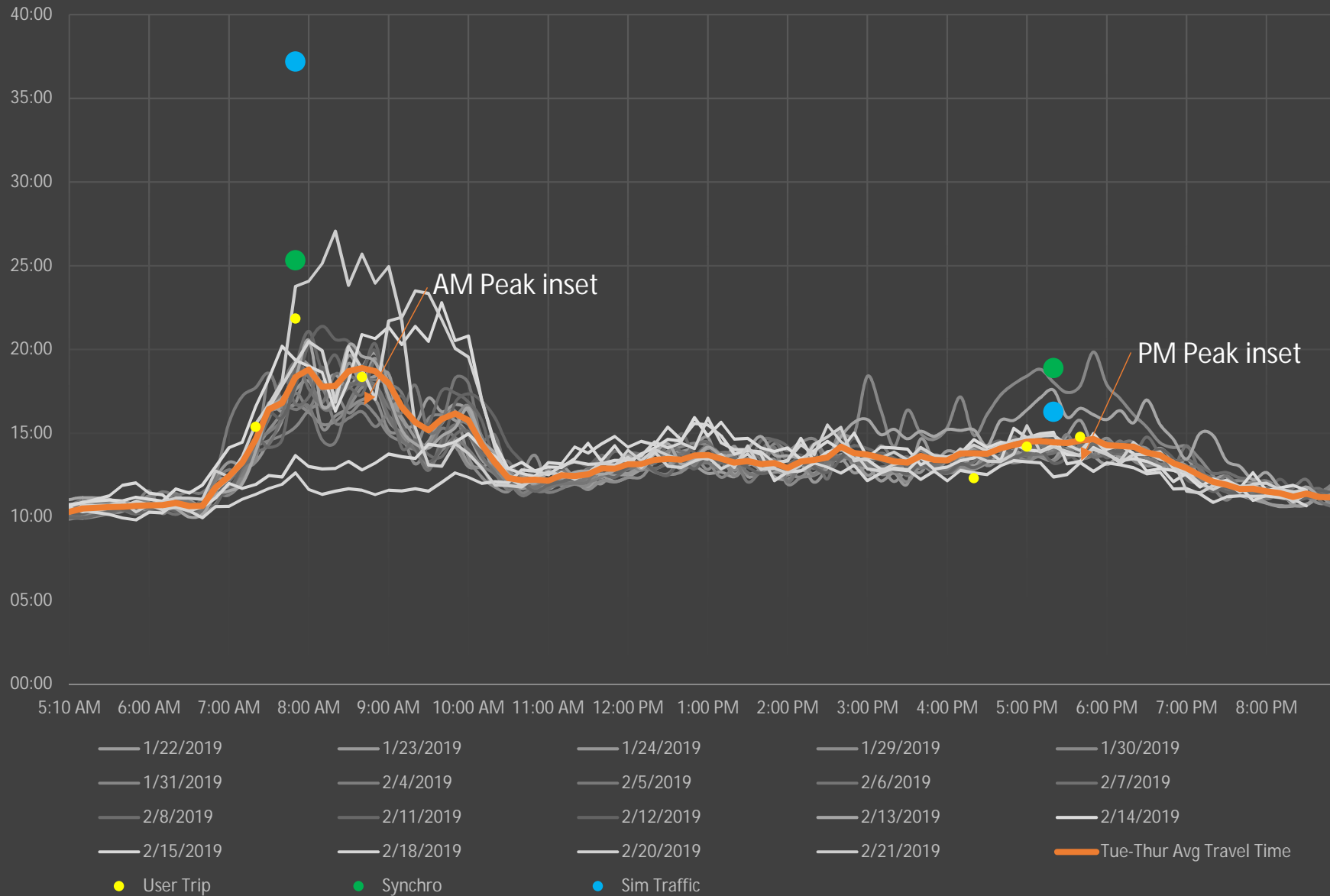
# Travel Time Graph

## Mira Mesa Blvd Eastbound between I-805 and I-15



# Travel Time Graph

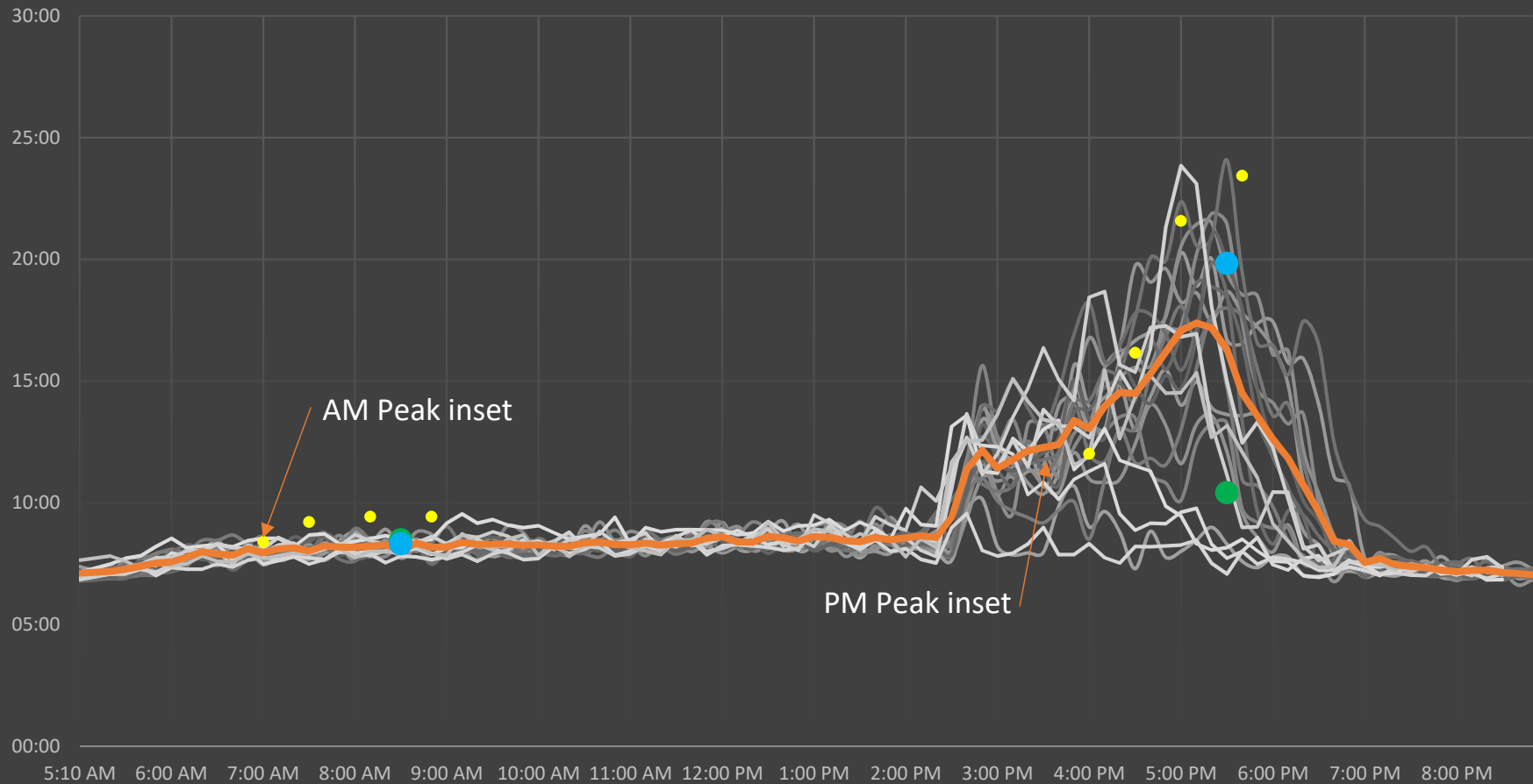
## Mira Mesa Blvd Westbound between I-15 and I-805





# Travel Time Graph

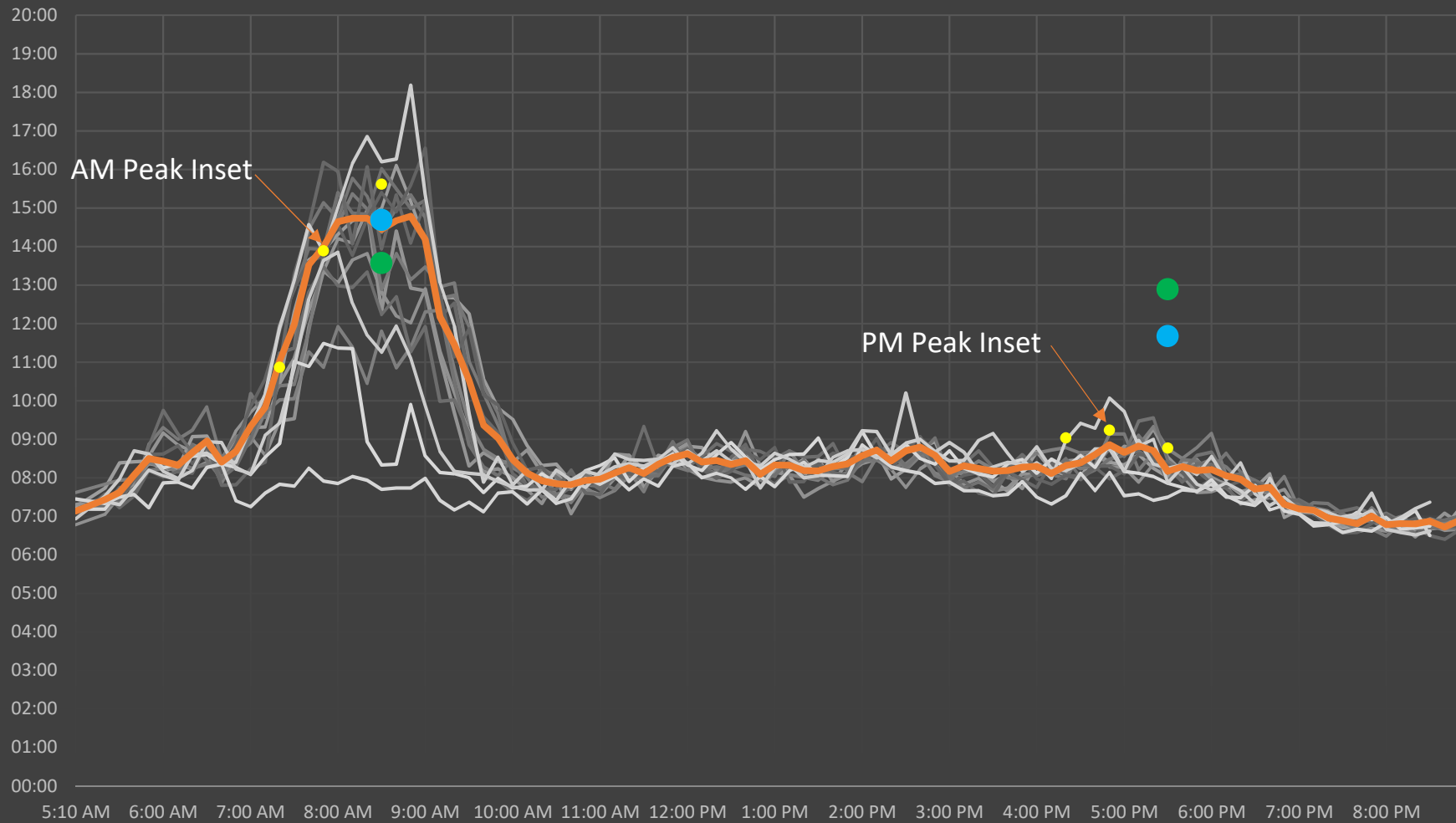
## Miramar Rd Eastbound from Eastgate Mall to I-15



- 1/21/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 2/1/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/14/2019
- 2/15/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- User Trip
- Synchro
- Tues-Thurs Avg Travel Time
- Sim Traffic

# Travel Time Graph

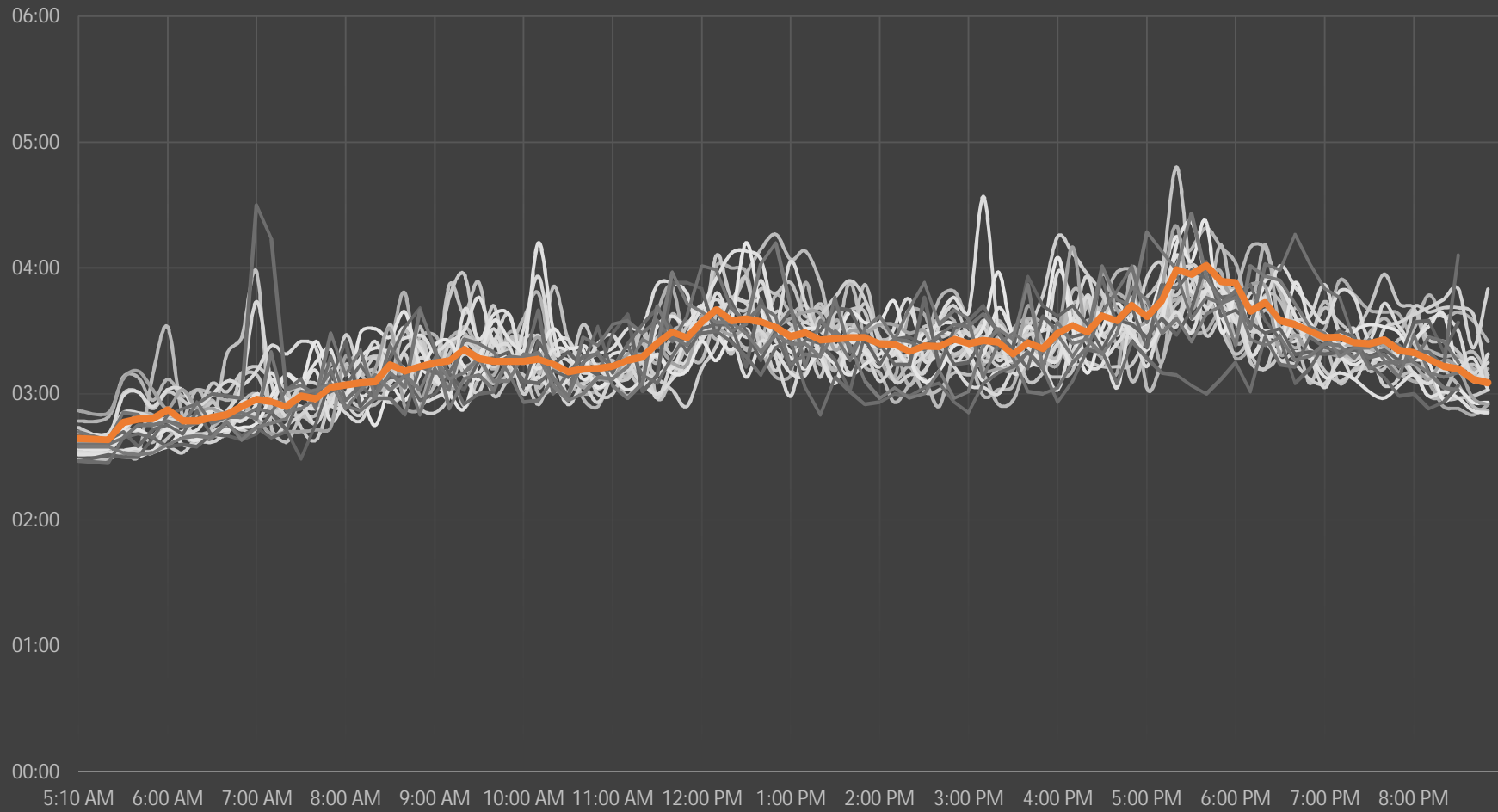
## Miramar Rd Westbound from I-15 to Eastgate Mall



- 1/22/2019
- 1/25/2019
- 1/28/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/15/2019
- 2/18/2019
- 2/20/2019
- 2/21/2019
- 2/21/2019
- User Trip
- Synchro
- Tue-Thu Avg Travel Time
- Sim Traffic

# Travel Time Graph

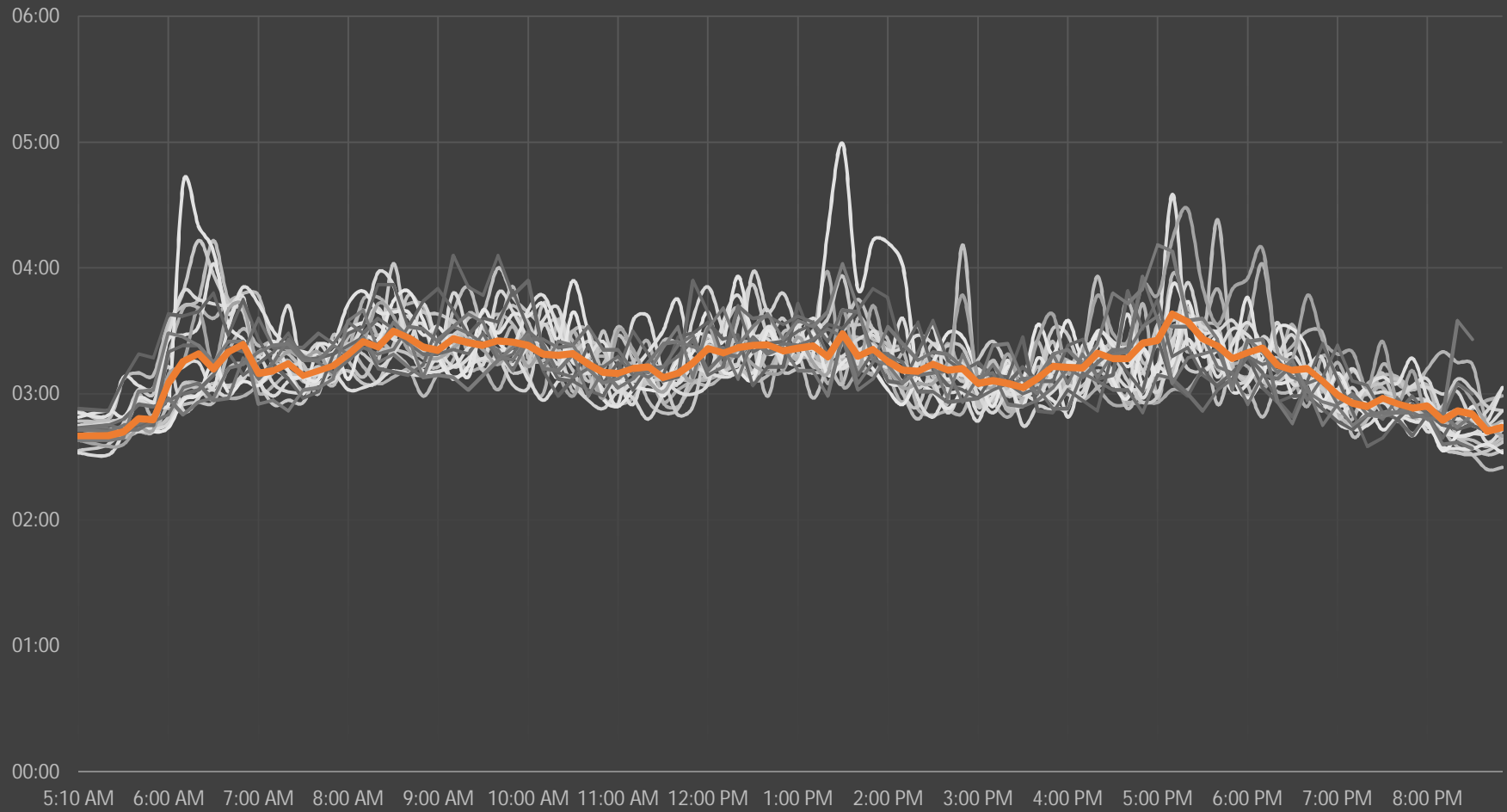
## Pacific Heights Blvd Northbound between Carroll Canyon Rd and Pacific Center Blvd



1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019
1/28/2019	1/29/2019	1/30/2019	2/1/2019	2/4/2019
2/5/2019	2/6/2019	2/7/2019	2/8/2019	2/11/2019
2/12/2019	2/13/2019	2/15/2019	2/14/2019	2/18/2019
2/19/2019	2/20/2019	2/21/2019	Tue-Thur Avg Travel Time	

# Travel Time Graph

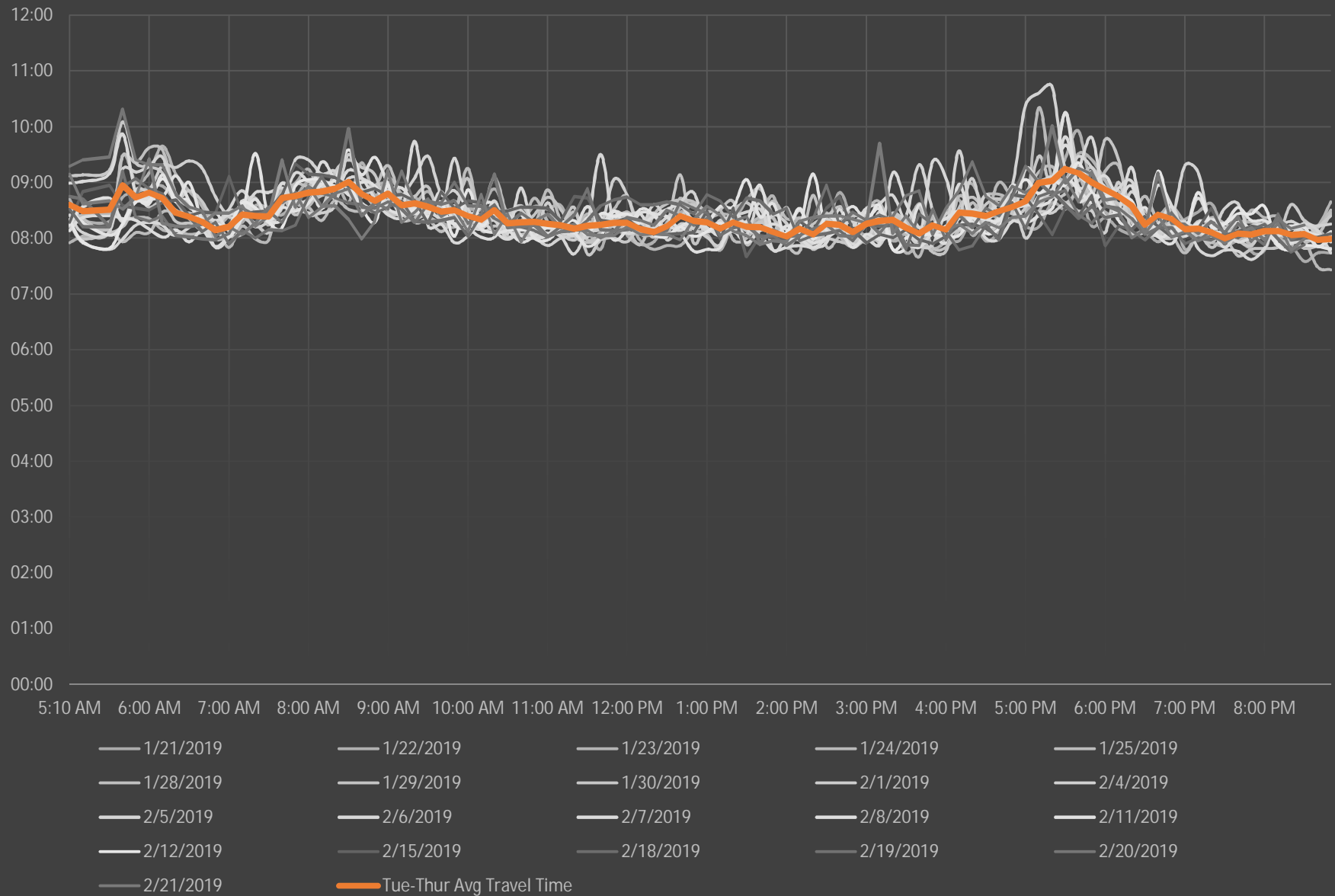
## Pacific Heights Blvd Southbound between Pacific Center Blvd and Carroll Canyon Rd



1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019
1/28/2019	1/29/2019	1/30/2019	2/4/2019	2/5/2019
2/6/2019	2/7/2019	2/8/2019	2/11/2019*	2/12/2019
2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019
2/20/2019	2/21/2019	Tue-Thur Avg Travel Time		

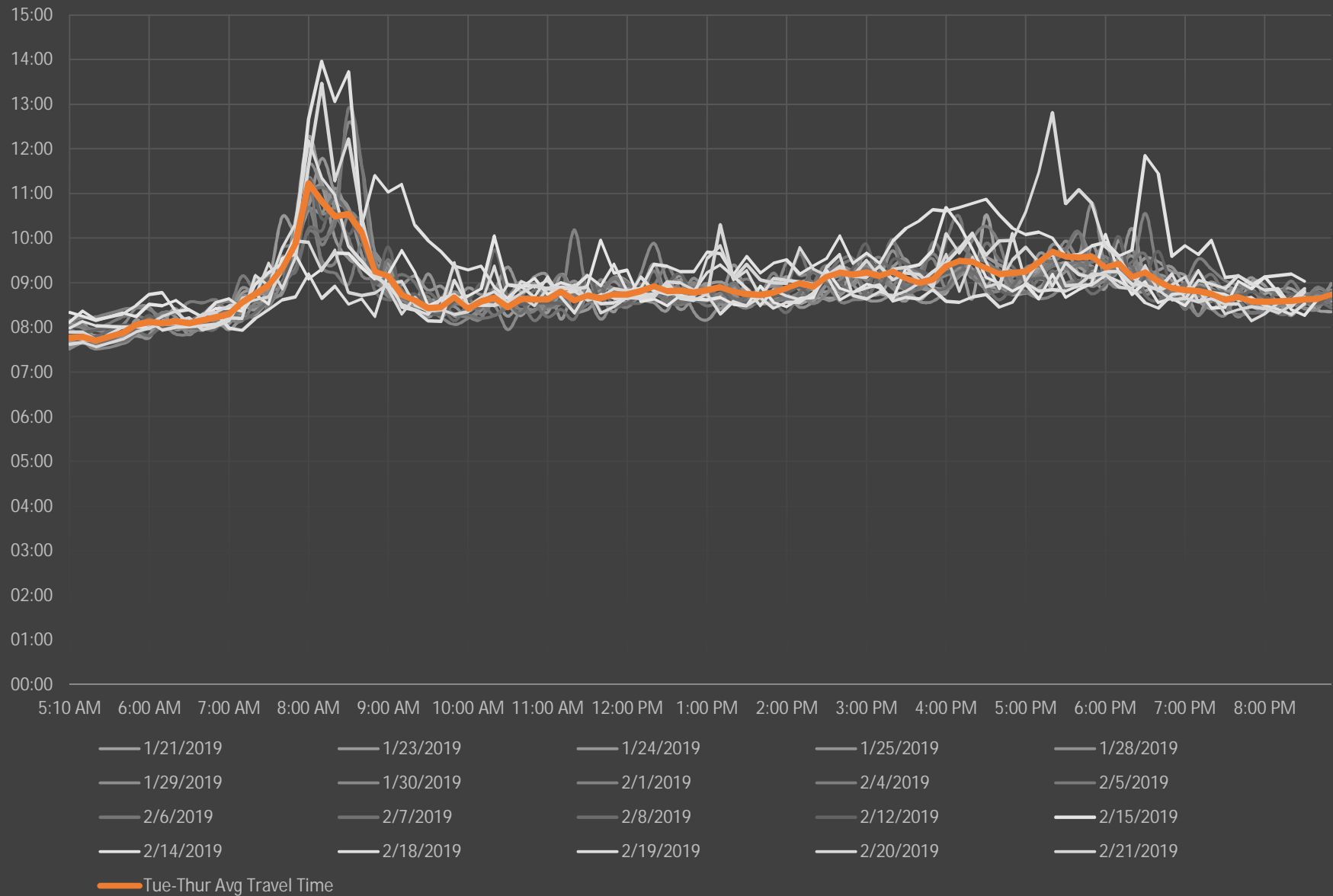
# Travel Time Graph

## Sorrento Valley Blvd and Calle Cristobal Eastbound from I-805 to Camino Ruiz



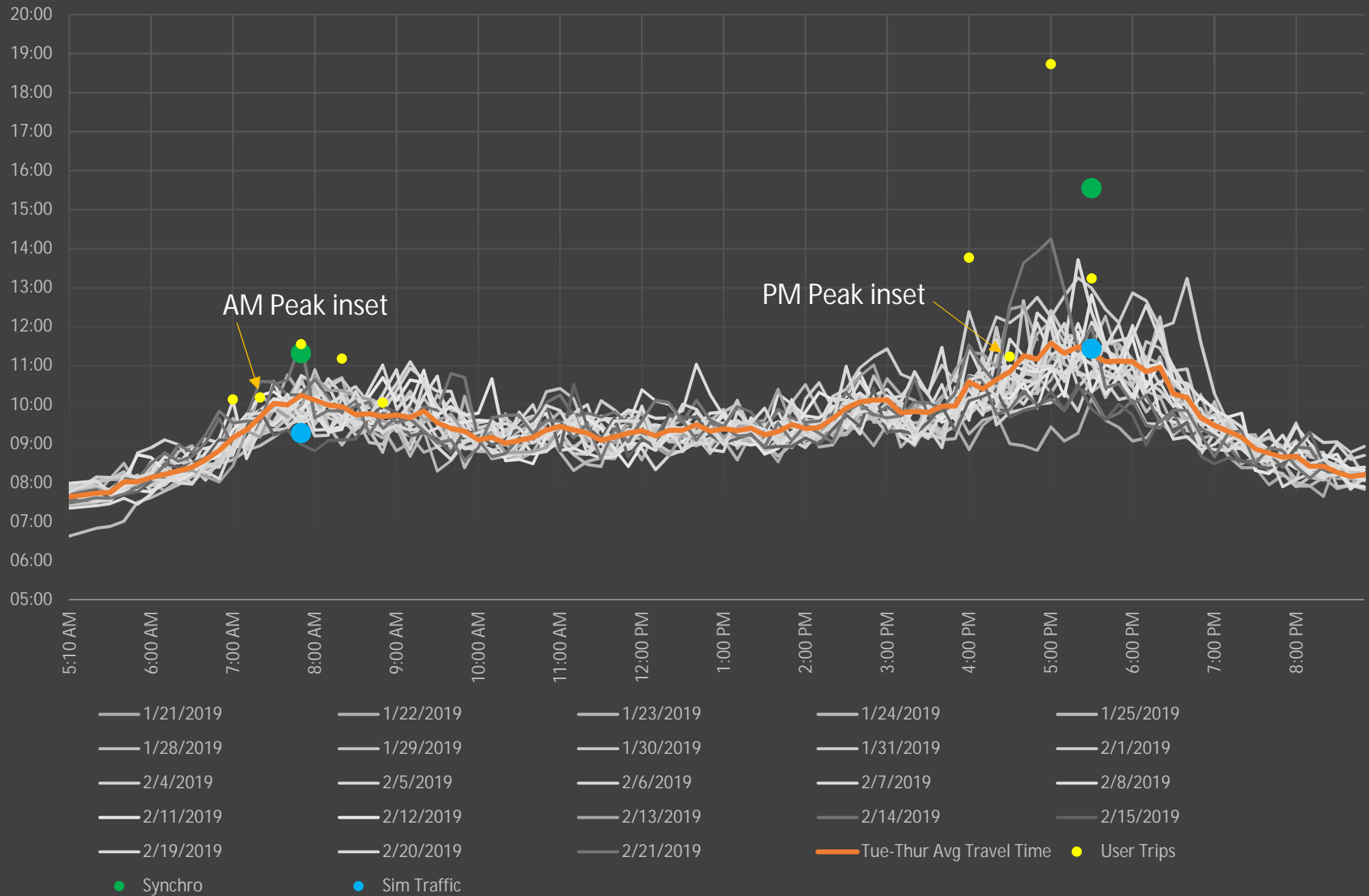
# Travel Time Graph

## Sorrento Valley Blvd and Calle Cristobal Westbound from Camino Ruiz to I-805



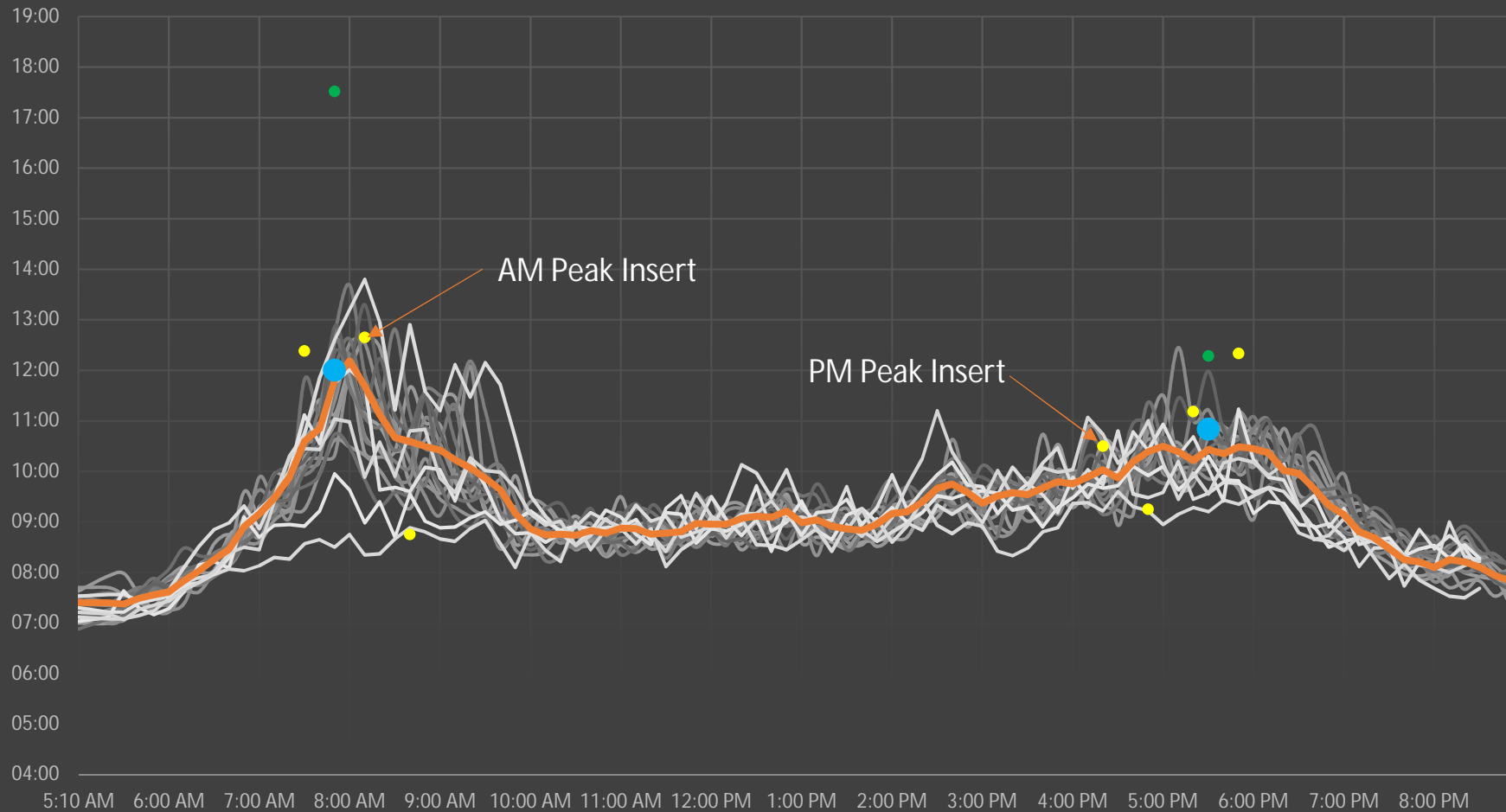
# Travel Time Graph

## Black Mountain Rd Northbound between Miramar Rd and Mercy Rd



# Travel Time Graph

## Black Mountain Rd Southbound between Mercy Rd and Miramar Rd

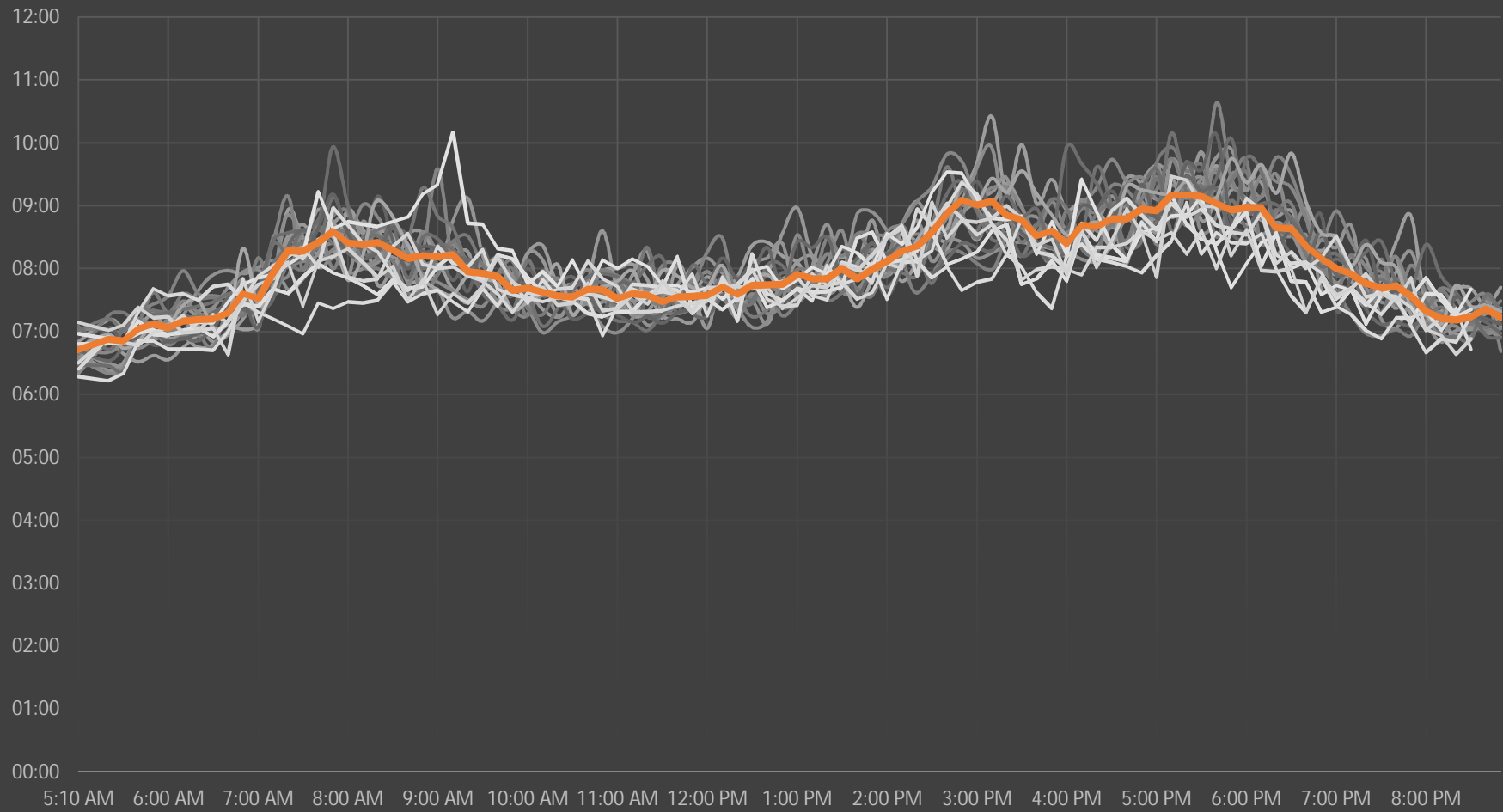


- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/14/2019
- 2/15/2019
- 2/18/2019
- 2/19/2019
- 2/21/2019
- 2/20/2019
- Tue-Thur Avg Travel Time
- User Trip
- Synchro
- Sim Traffic



# Travel Time Graph

## Camino Ruiz Northbound between Miramar Rd and Calle Cristobal

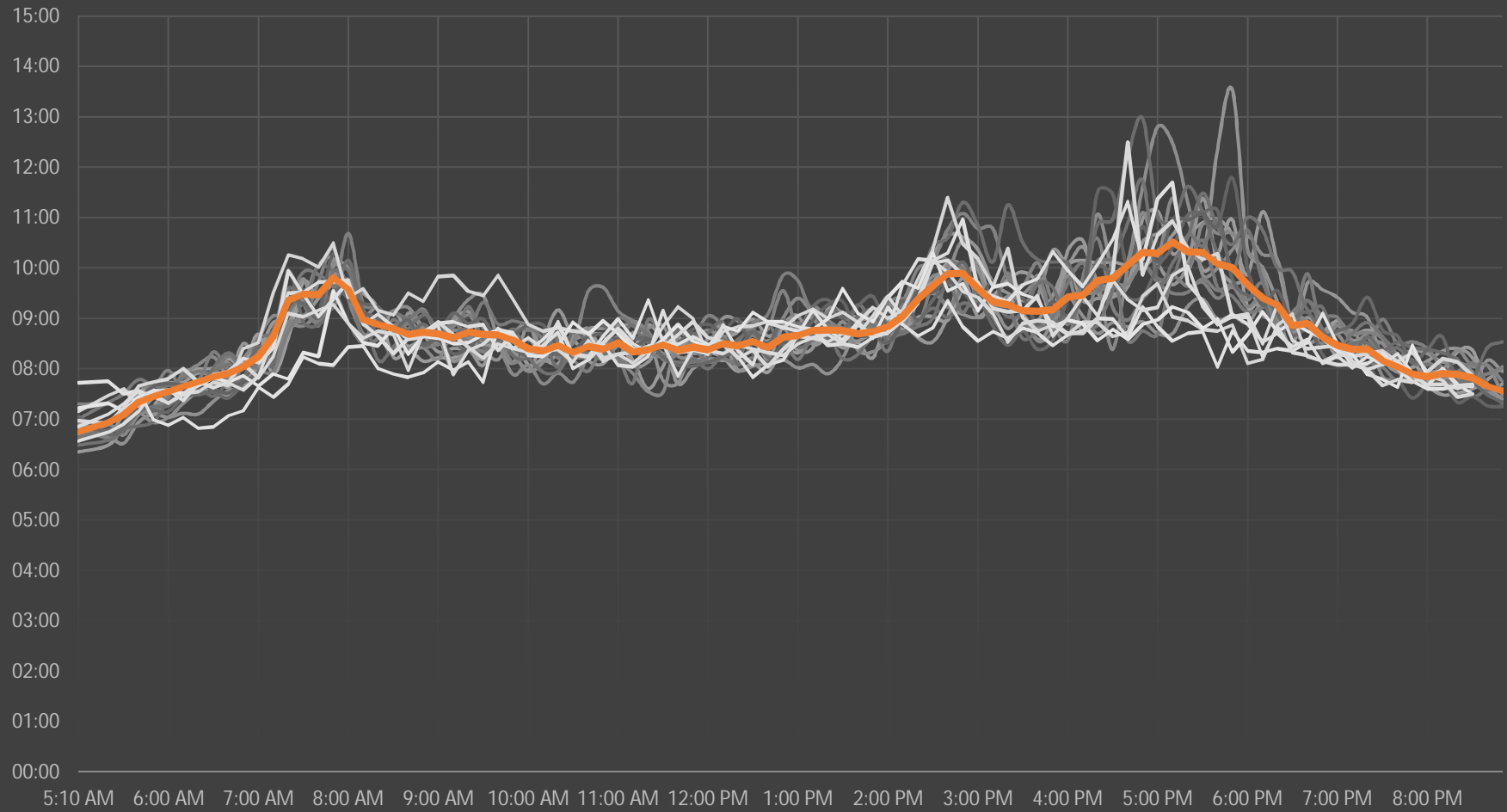


Legend:

- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 1/31/2019
- 2/1/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/13/2019
- 2/15/2019
- 2/14/2019
- 2/15/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time

# Travel Time Graph

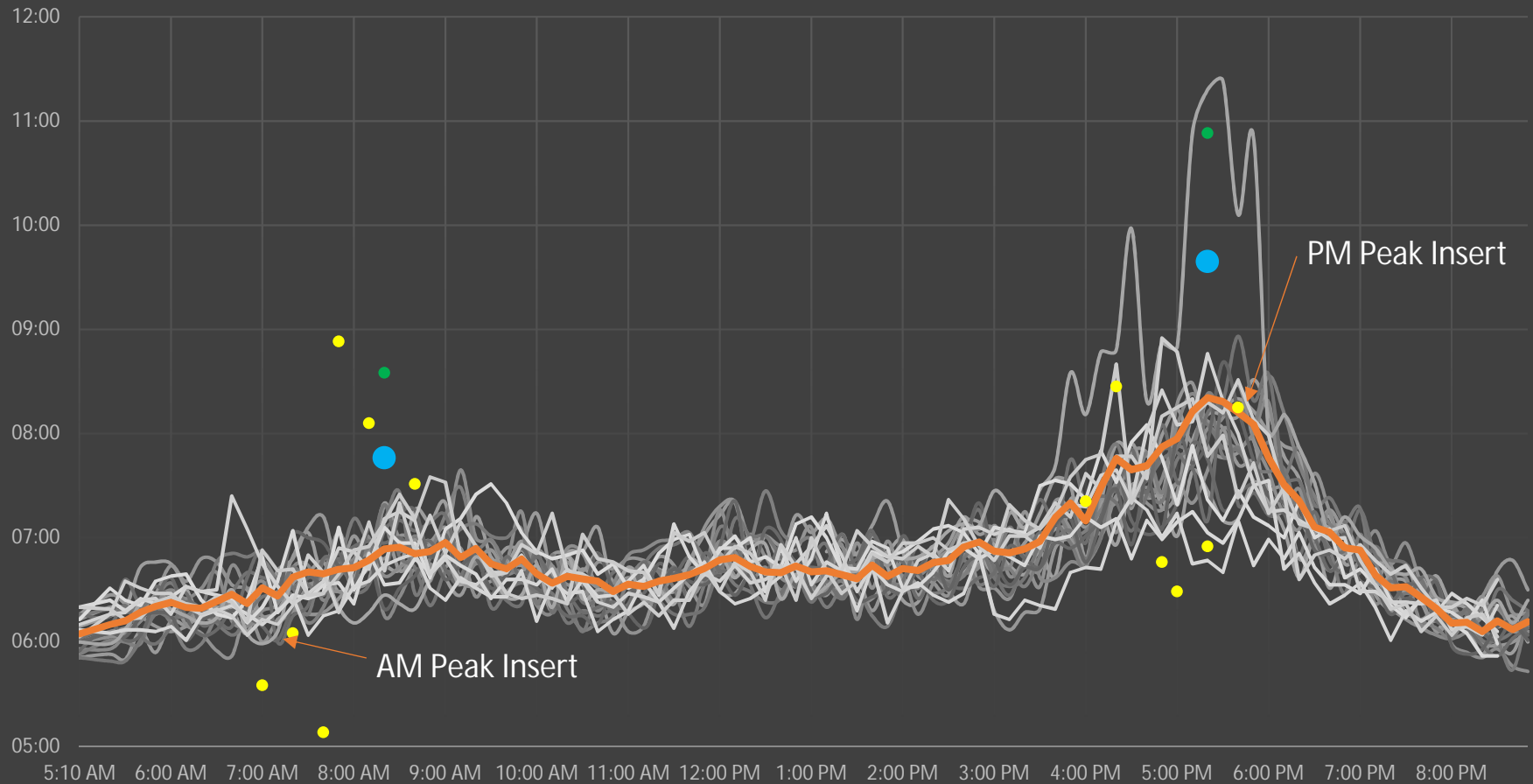
## Camino Ruiz Southbound between Calle Cristobal and Miramar Rd



1/22/2019 1/23/2019 1/24/2019 1/25/2019 1/28/2019  
1/29/2019 1/30/2019 2/1/2019 2/4/2019 2/5/2019  
2/6/2019 2/7/2019 2/8/2019 2/11/2019 2/12/2019  
2/14/2019 2/15/2019 2/18/2019 2/19/2019 2/20/2019  
2/21/2019 Tue-Thur Avg Travel Time

# Travel Time Graph

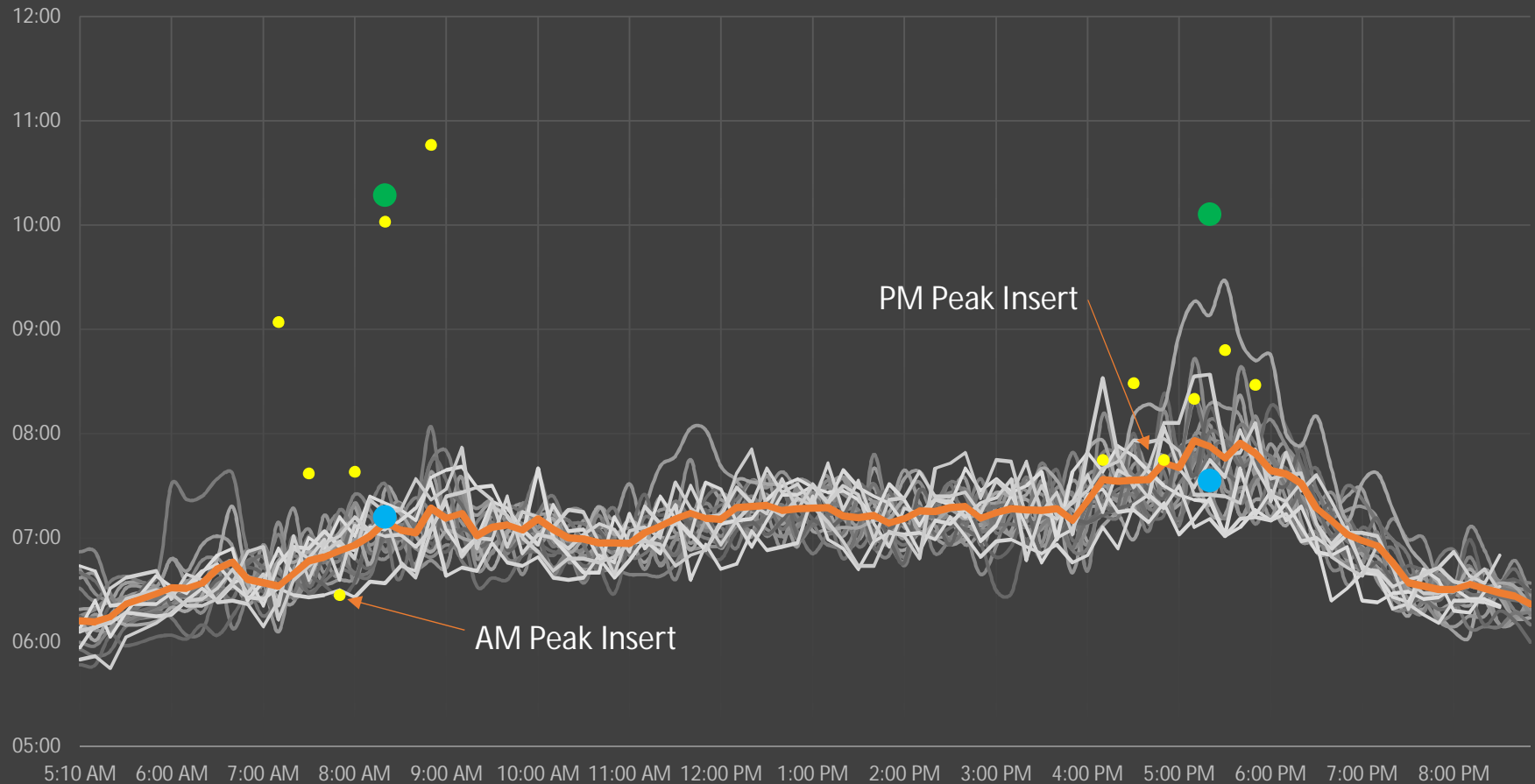
## Camino Santa Fe Northbound between Miramar Rd and Calle Cristobal



1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019
1/28/2019	1/29/2019	1/30/2019	2/4/2019	2/5/2019
2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019
2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019
2/20/2019	2/21/2019			
● Sim Traffic		— Tue-Thur Avg Travel Time		● User Trip
				● Synchro

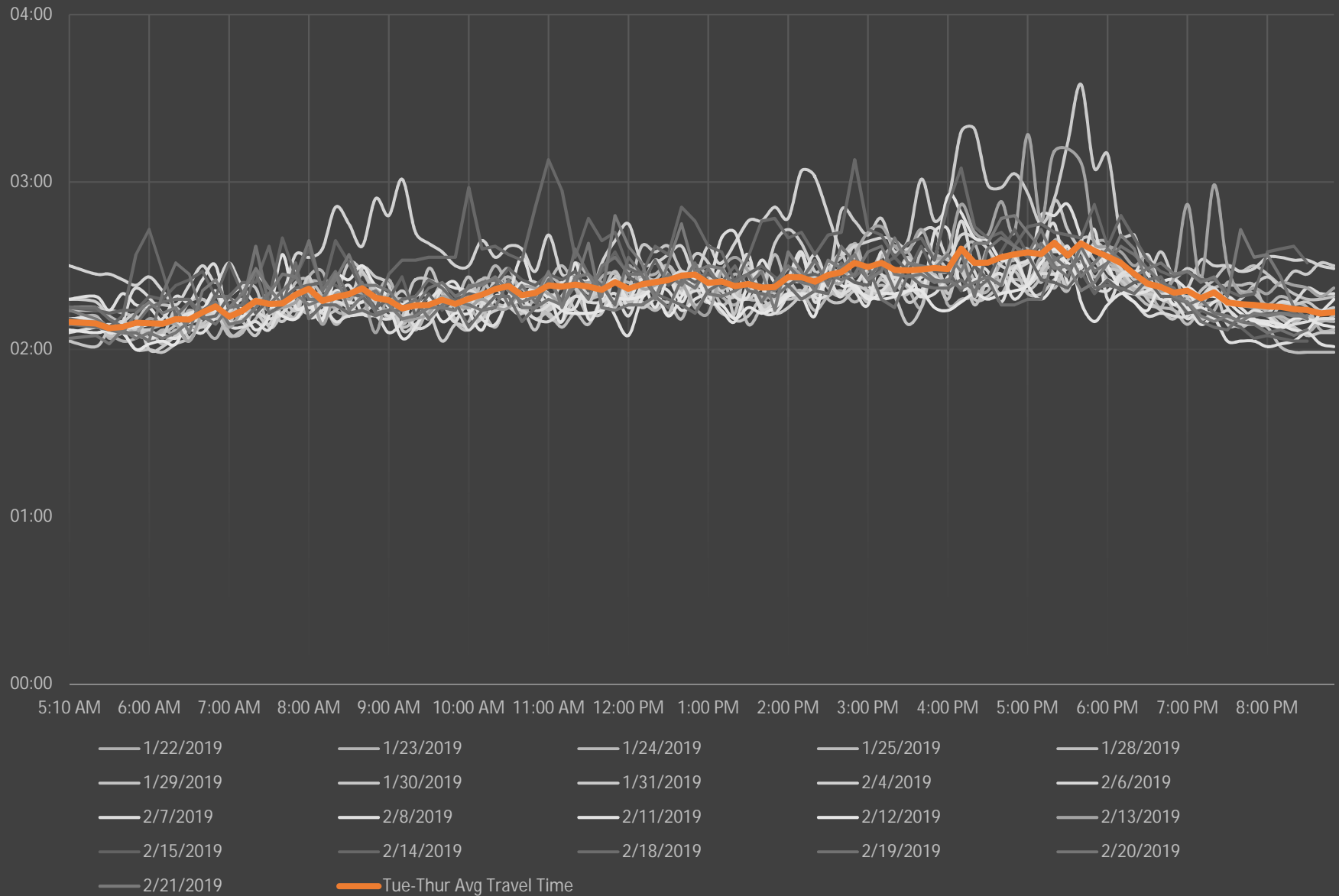
# Travel Time Graph

## Camino Santa Fe Southbound between Calle Cristobal and Miramar Rd



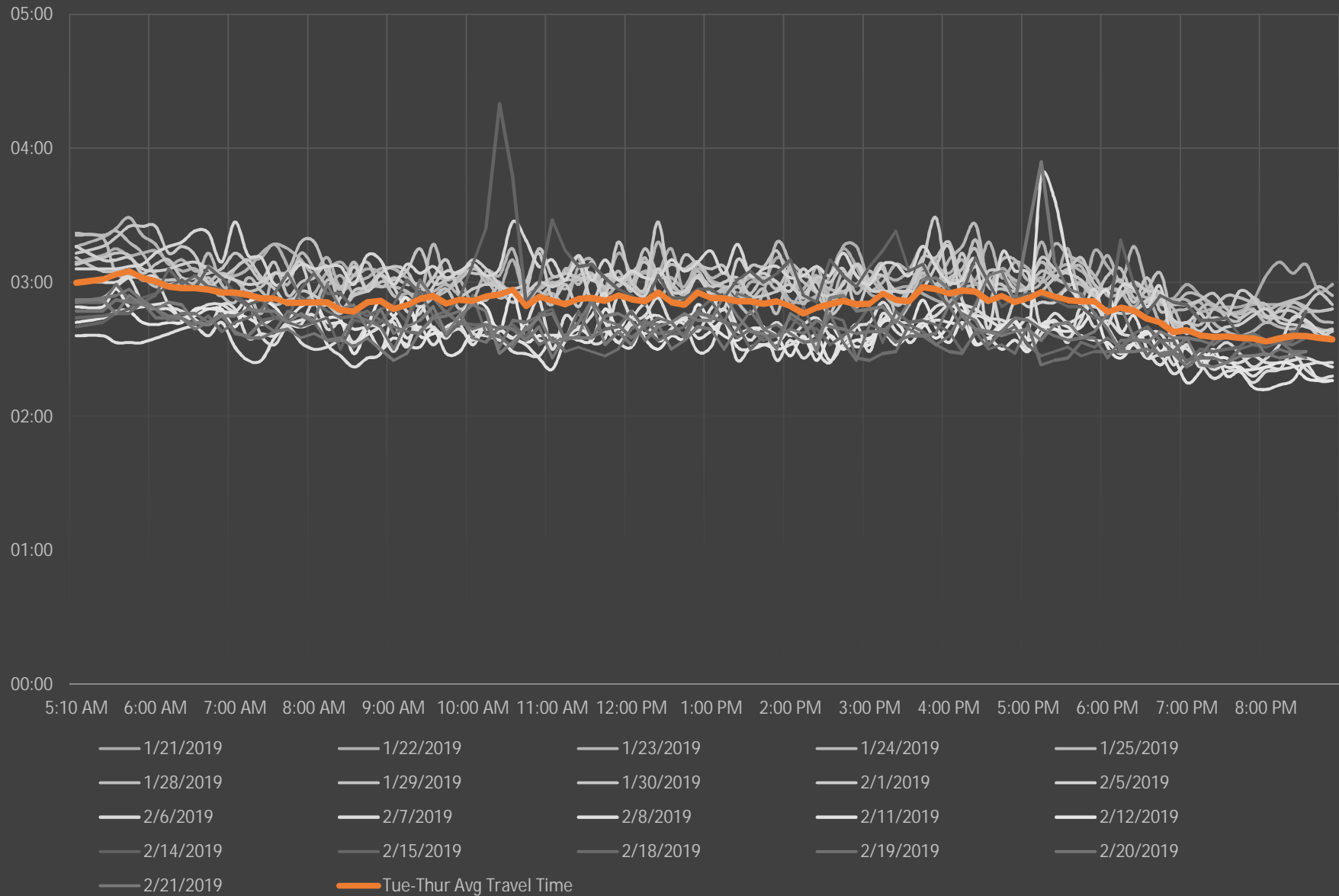
# Travel Time Graph

## Carroll Canyon Rd Eastbound between I-805 and Carroll Rd



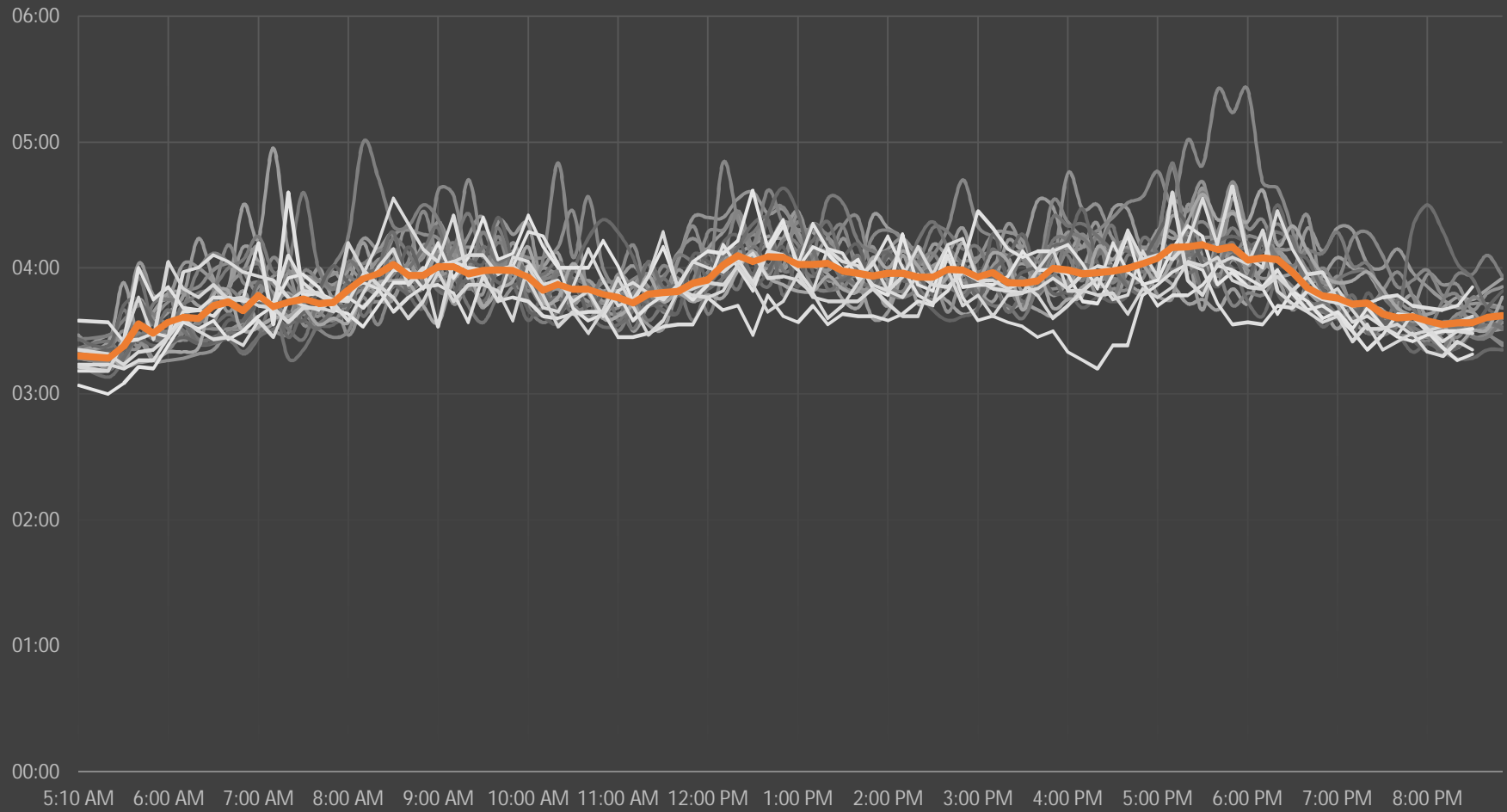
# Travel Time Graph

## Carroll Canyon Rd Westbound between Carroll Rd and I-805



# Travel Time Graph

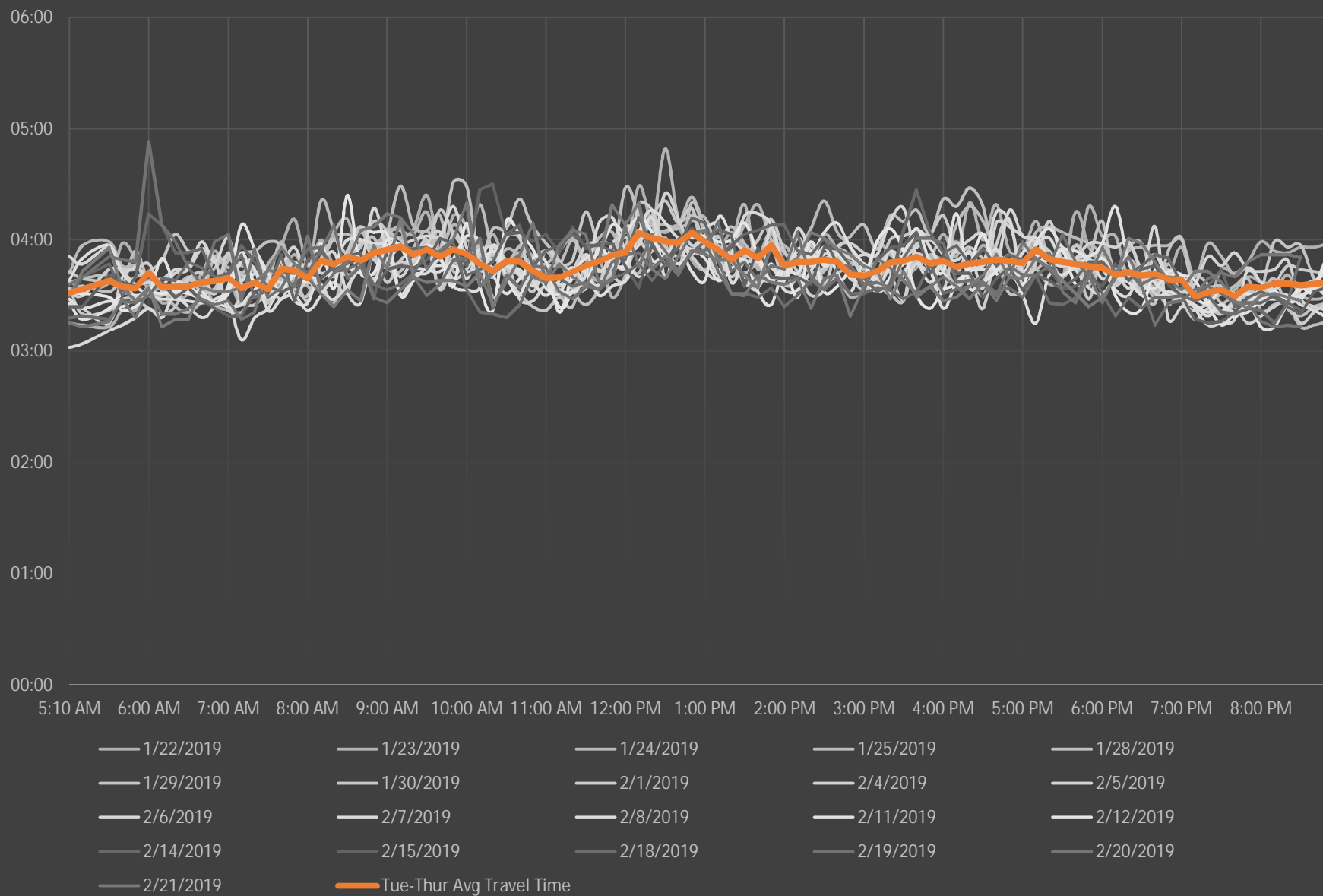
## Lusk Blvd Eastbound between Vista Sorrento Pkwy and Mira Mesa Blvd



1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019
1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019
2/4/2019	2/5/2019	2/6/2019	2/7/2019	2/8/2019
2/11/2019	2/12/2019	2/13/2019	2/15/2019	2/14/2019
2/18/2019	2/19/2019	2/20/2019	2/21/2019	Tue-Thur Avg Travel Time

# Travel Time Graph

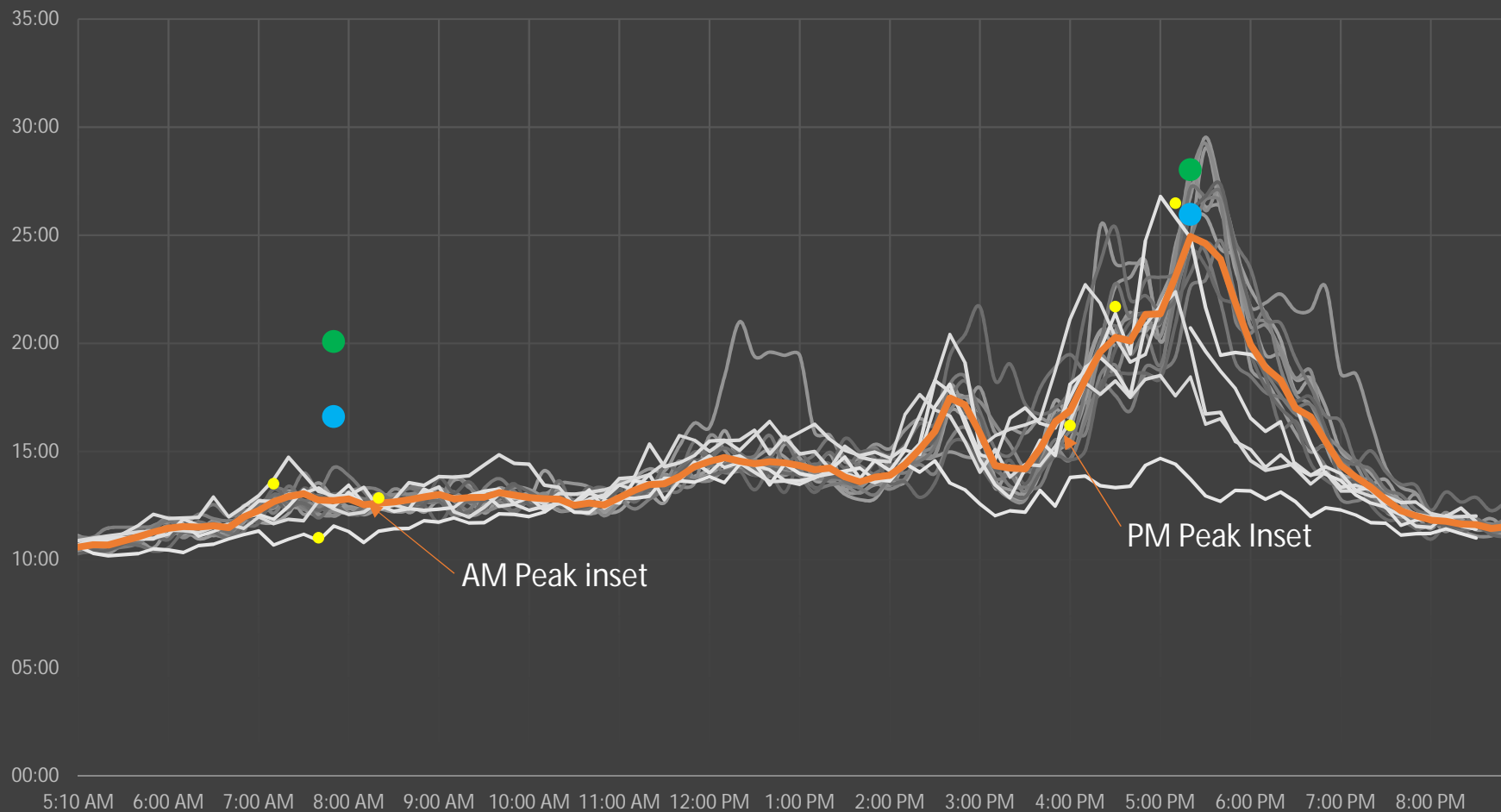
## Lusk Blvd Westbound between Mira Mesa Blvd and Vista Sorrento Pkwy





# Travel Time Graph

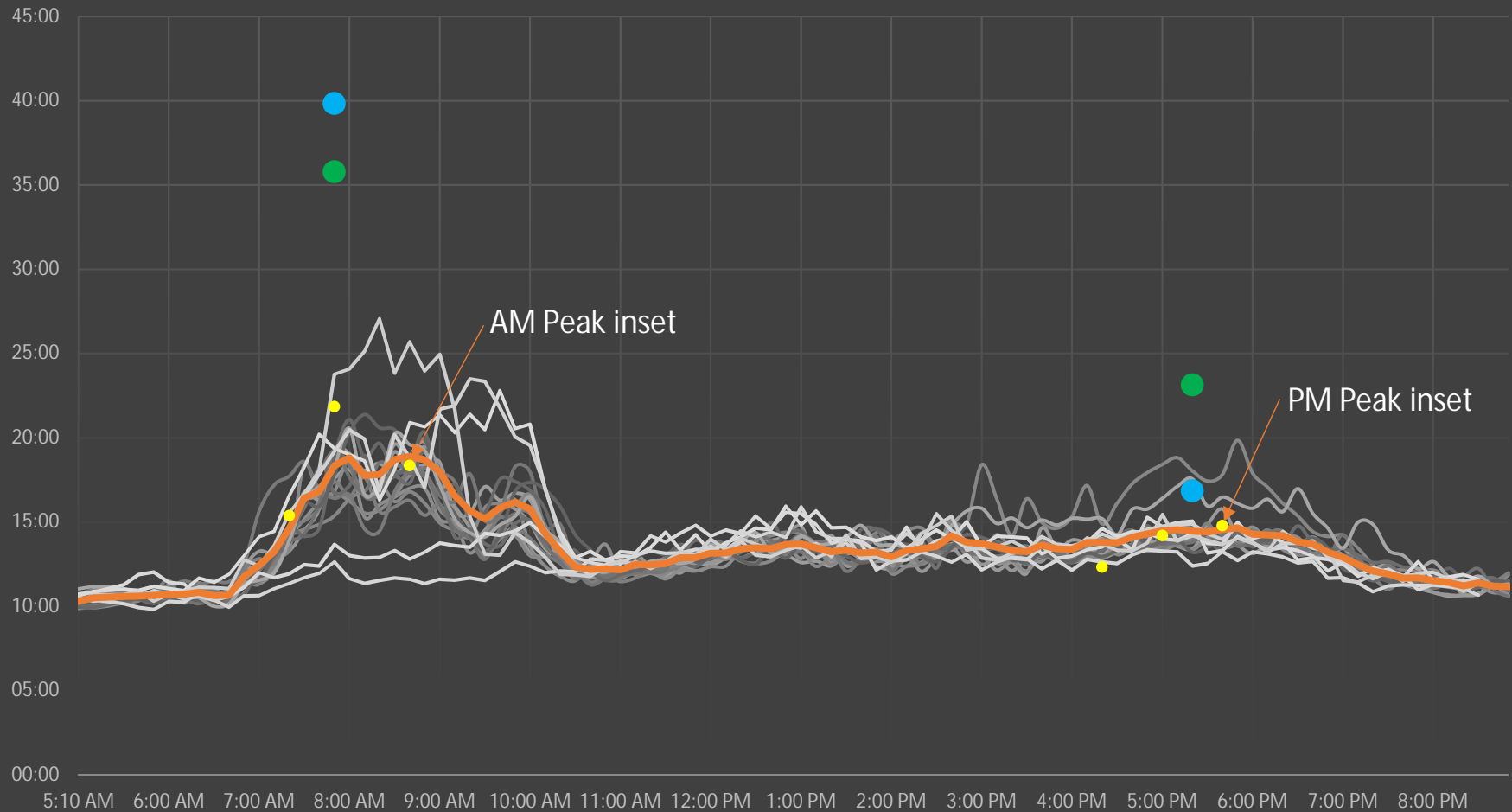
## Mira Mesa Blvd Eastbound between I-805 and I-15



- |           |             |           |                          |           |
|-----------|-------------|-----------|--------------------------|-----------|
| 1/22/2019 | 1/23/2019   | 1/24/2019 | 1/25/2019                | 1/29/2019 |
| 1/30/2019 | 2/4/2019    | 2/5/2019  | 2/6/2019                 | 2/7/2019  |
| 2/8/2019  | 2/11/2019   | 2/12/2019 | 2/14/2019                | 2/15/2019 |
| 2/18/2019 | 2/19/2019   | 2/21/2019 | Tue-Thur Avg Travel Time | User Trip |
| Synchro   | Sim Traffic |           |                          |           |

# Travel Time Graph

## Mira Mesa Blvd Westbound between I-15 and I-805

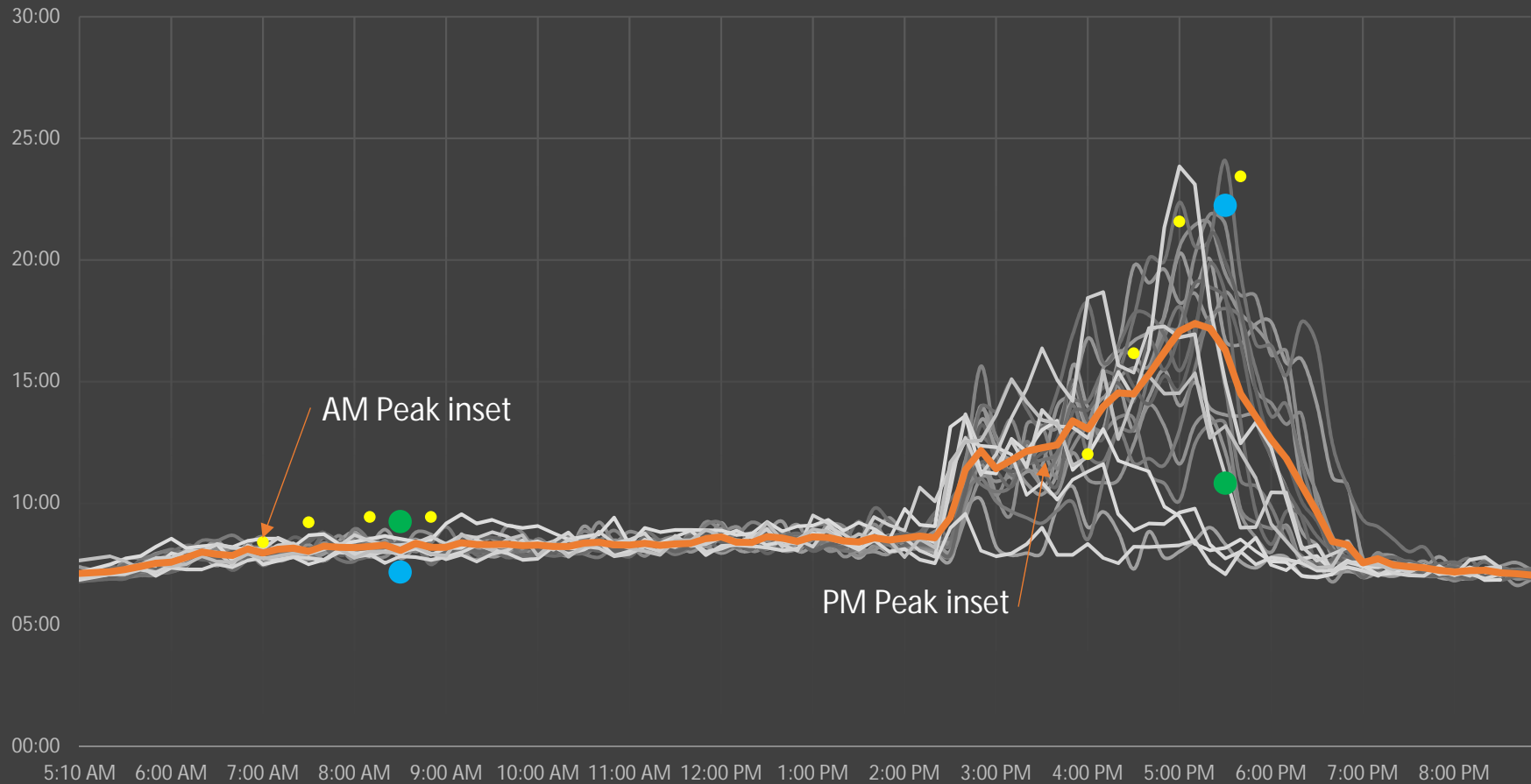


Legend:

- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/29/2019
- 1/30/2019
- 1/31/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/13/2019
- 2/14/2019
- 2/15/2019
- 2/18/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time
- User Trip
- Synchro
- Sim Traffic

# Travel Time Graph

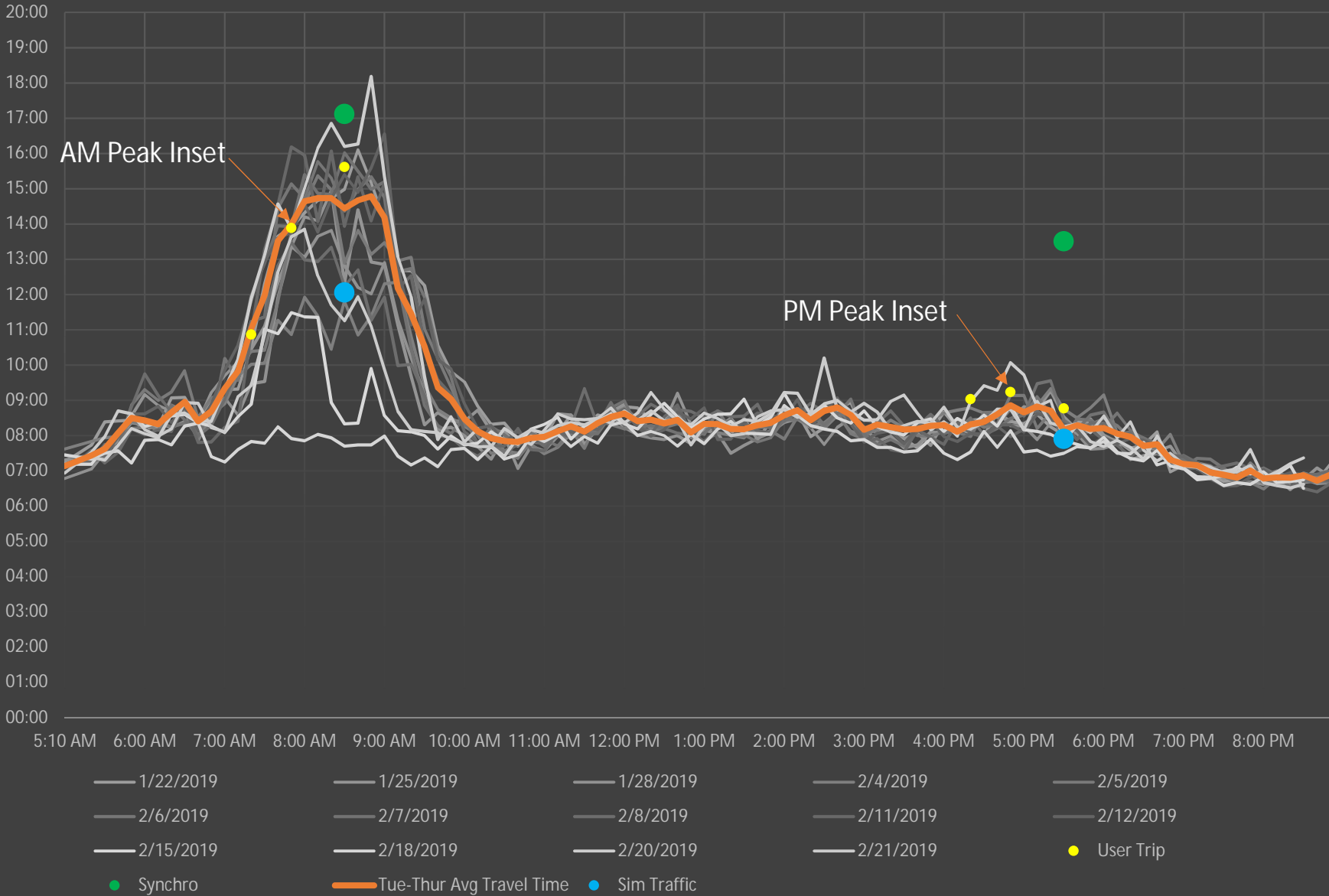
## Miramar Rd Eastbound from Eastgate Mall to I-15



— 1/21/2019	— 1/23/2019	— 1/24/2019	— 1/25/2019
— 1/28/2019	— 1/29/2019	— 1/30/2019	— 2/1/2019
— 2/5/2019	— 2/6/2019	— 2/7/2019	— 2/8/2019
— 2/11/2019	— 2/12/2019	— 2/14/2019	— 2/15/2019
— 2/18/2019	— 2/19/2019	— 2/20/2019	— 2/21/2019
● User Trip	● Synchro	— Tues-Thurs Avg Travel Time	● Sim Traffic

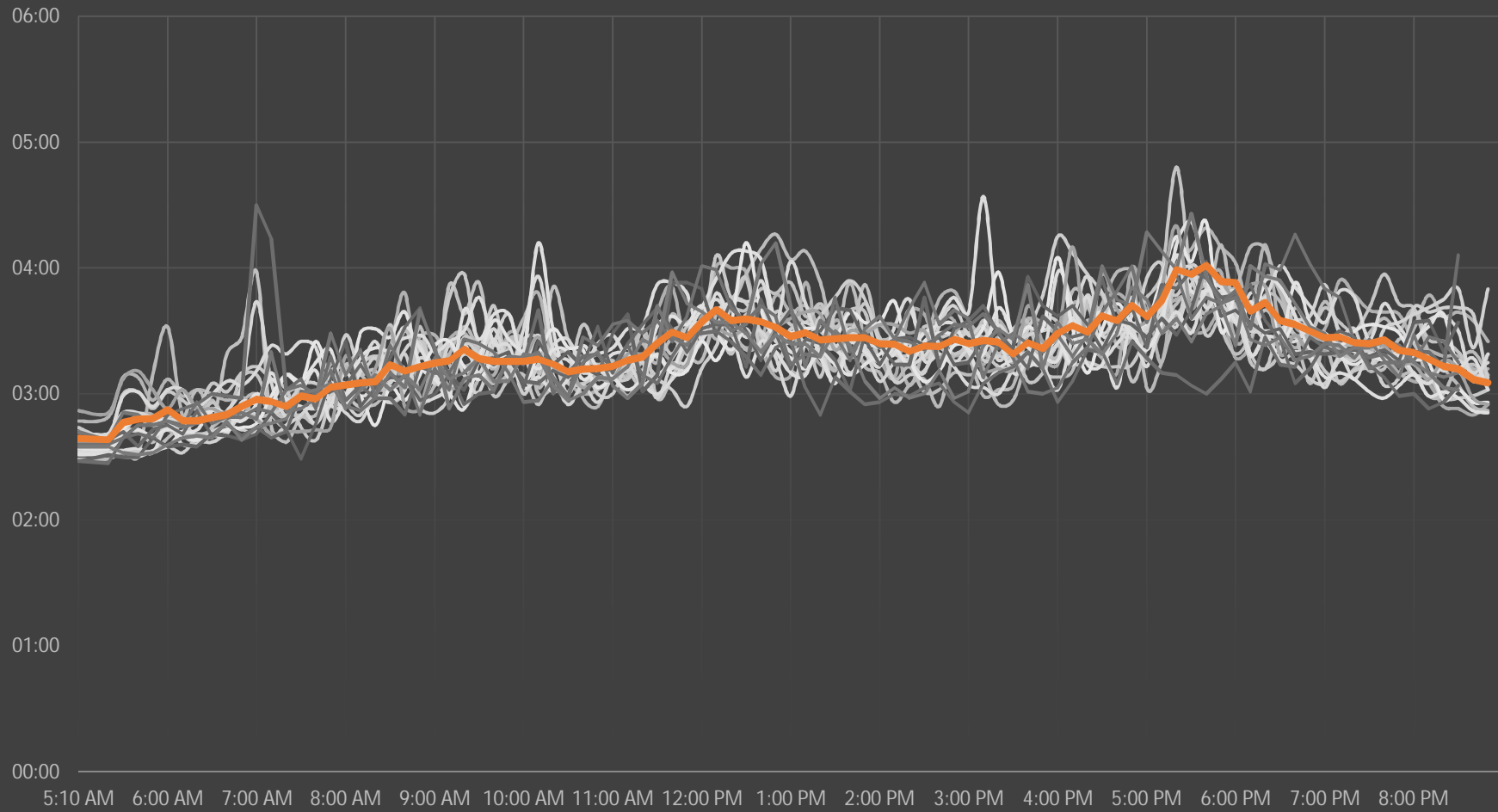
## Travel Time Graph

### Miramar Rd Westbound from I-15 to Eastgate Mall



# Travel Time Graph

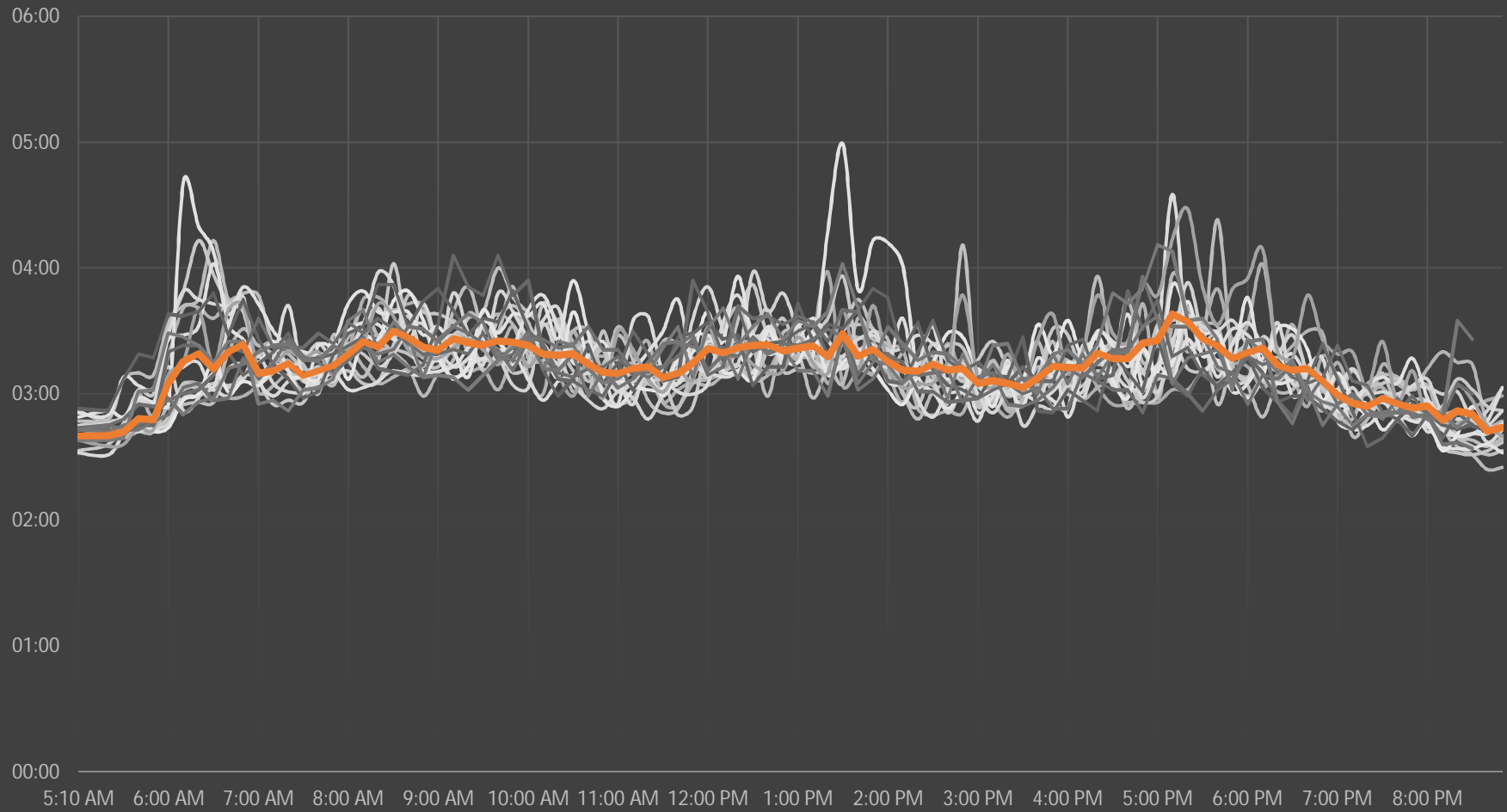
## Pacific Heights Blvd Northbound between Carroll Canyon Rd and Pacific Center Blvd



1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019
1/28/2019	1/29/2019	1/30/2019	2/1/2019	2/4/2019
2/5/2019	2/6/2019	2/7/2019	2/8/2019	2/11/2019
2/12/2019	2/13/2019	2/15/2019	2/14/2019	2/18/2019
2/19/2019	2/20/2019	2/21/2019	Tue-Thur Avg Travel Time	

# Travel Time Graph

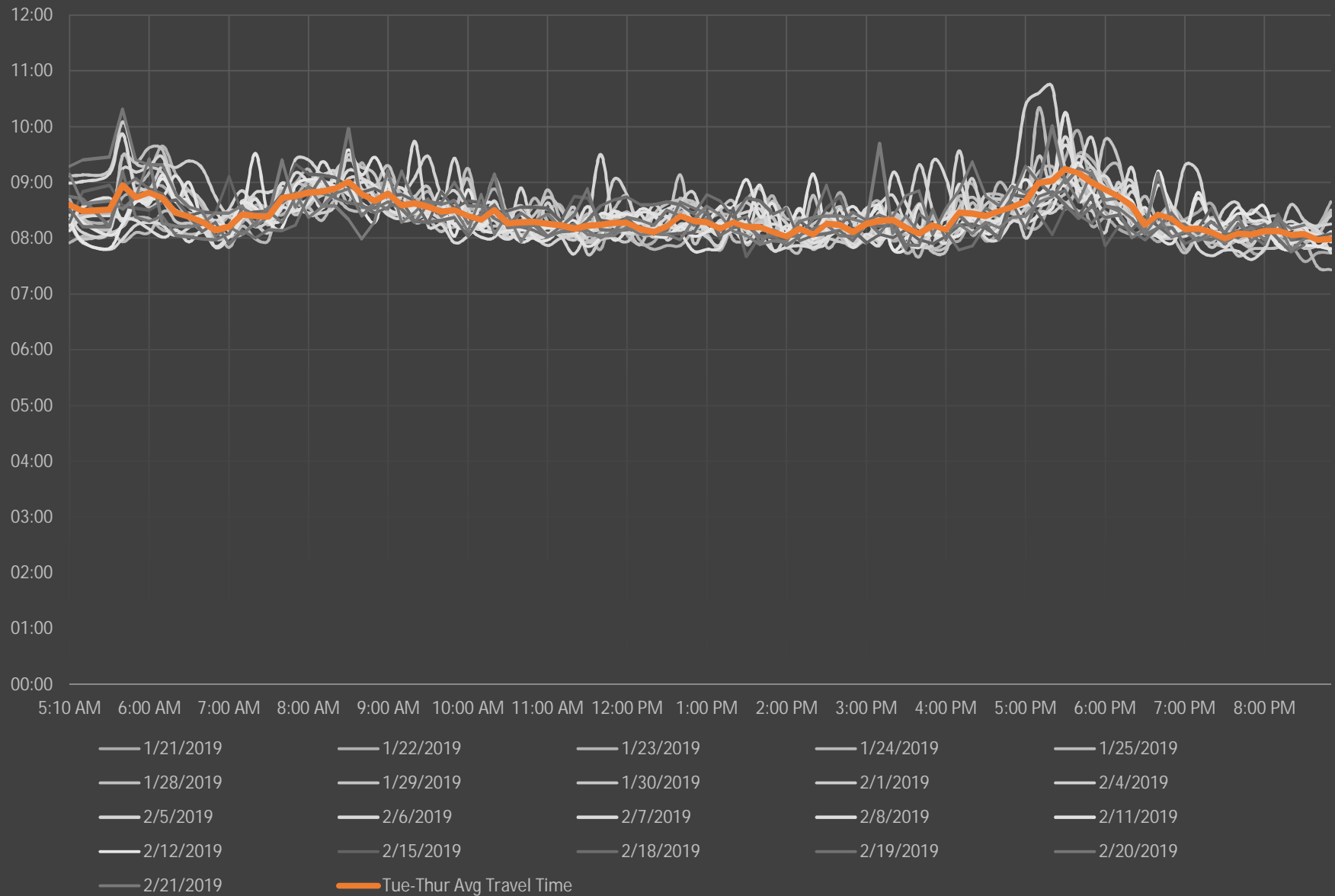
## Pacific Heights Blvd Southbound between Pacific Center Blvd and Carroll Canyon Rd



— 1/21/2019	— 1/22/2019	— 1/23/2019	— 1/24/2019	— 1/25/2019
— 1/28/2019	— 1/29/2019	— 1/30/2019	— 2/4/2019	— 2/5/2019
— 2/6/2019	— 2/7/2019	— 2/8/2019	— 2/11/2019*	— 2/12/2019
— 2/13/2019	— 2/14/2019	— 2/15/2019	— 2/18/2019	— 2/19/2019
— 2/20/2019	— 2/21/2019	— Tue-Thur Avg Travel Time		

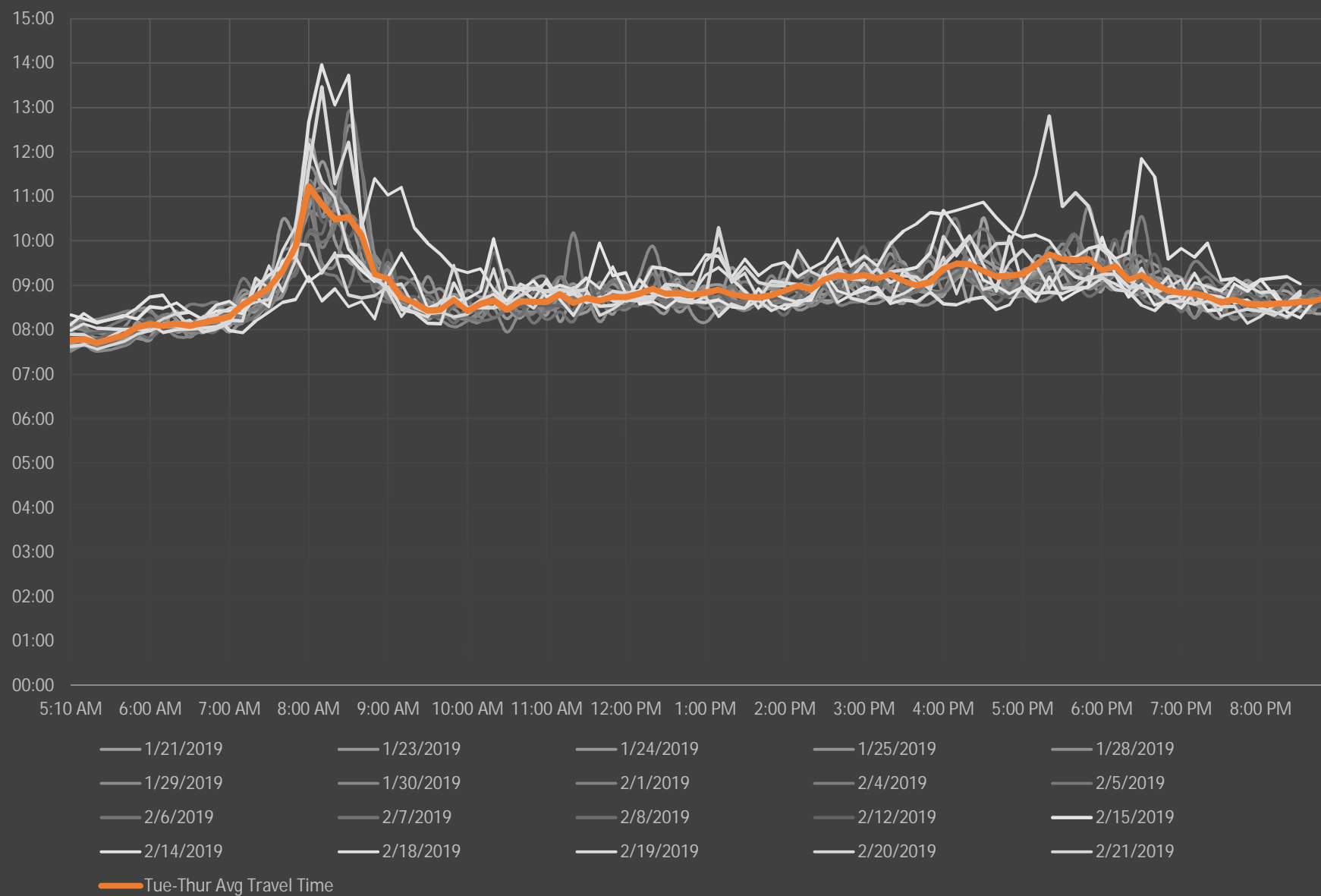
# Travel Time Graph

## Sorrento Valley Blvd and Calle Cristobal Eastbound from I-805 to Camino Ruiz



### Travel Time Graph

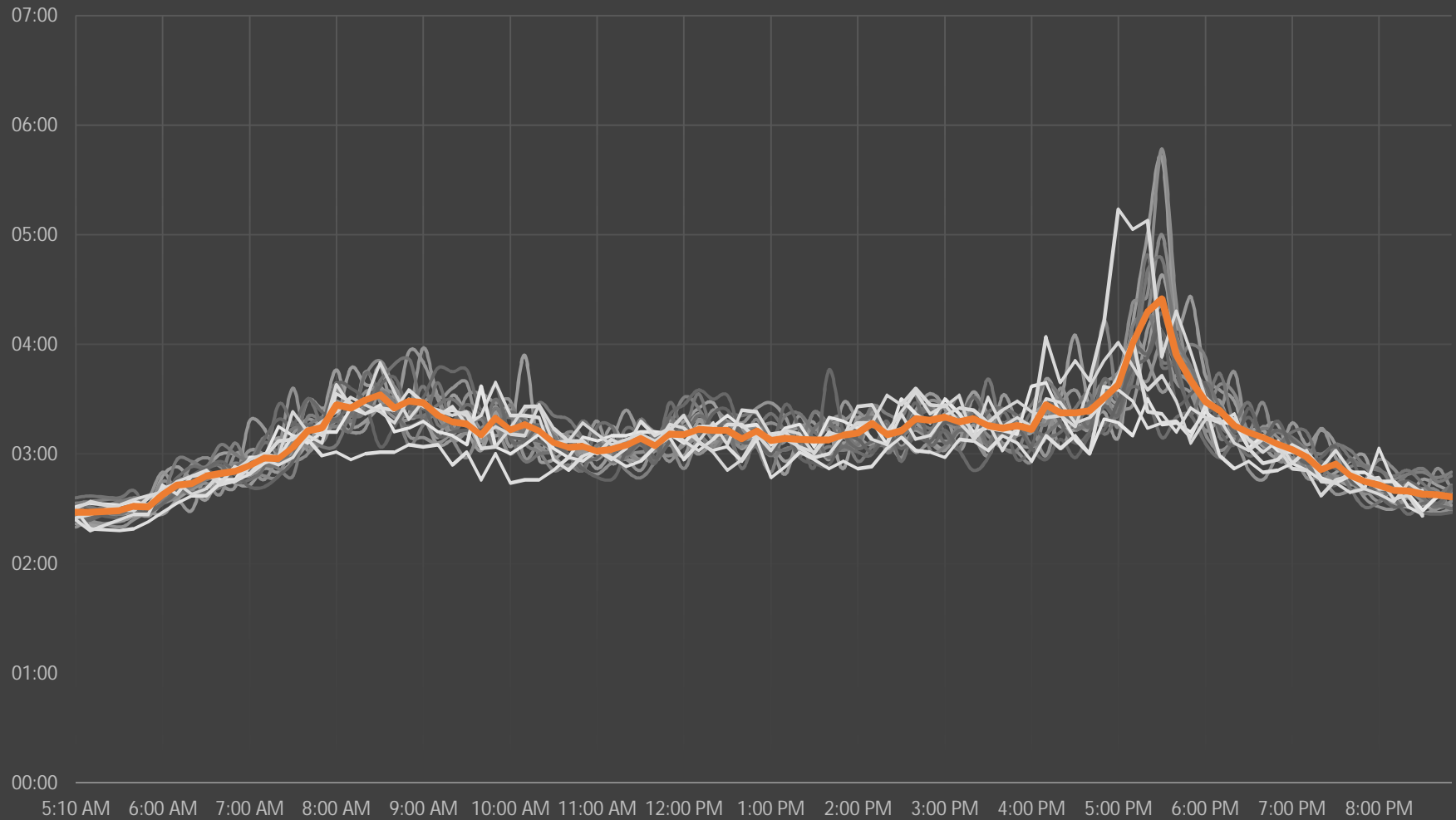
Sorrento Valley Blvd and Calle Cristobal Westbound from Camino Ruiz to I-805





# Travel Time Graph

## Vista Sorrento Pkwy Northbound from Mira Mesa Blvd to Sorrento Valley Blvd

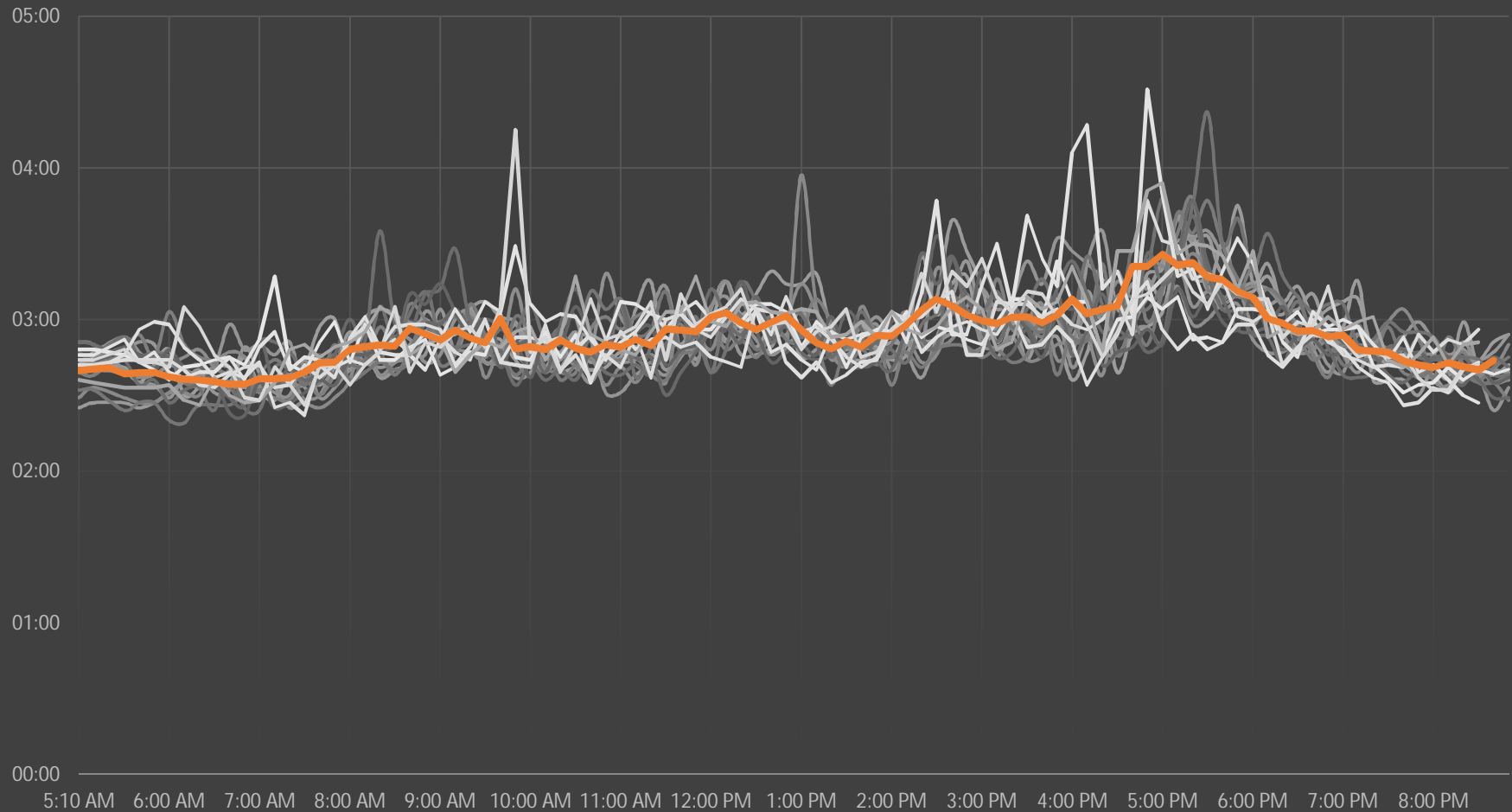


Legend:

- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/15/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time

# Travel Time Graph

## Vista Sorrento Pkwy Southbound from Sorrento Valley Blvd to Mira Mesa Blvd

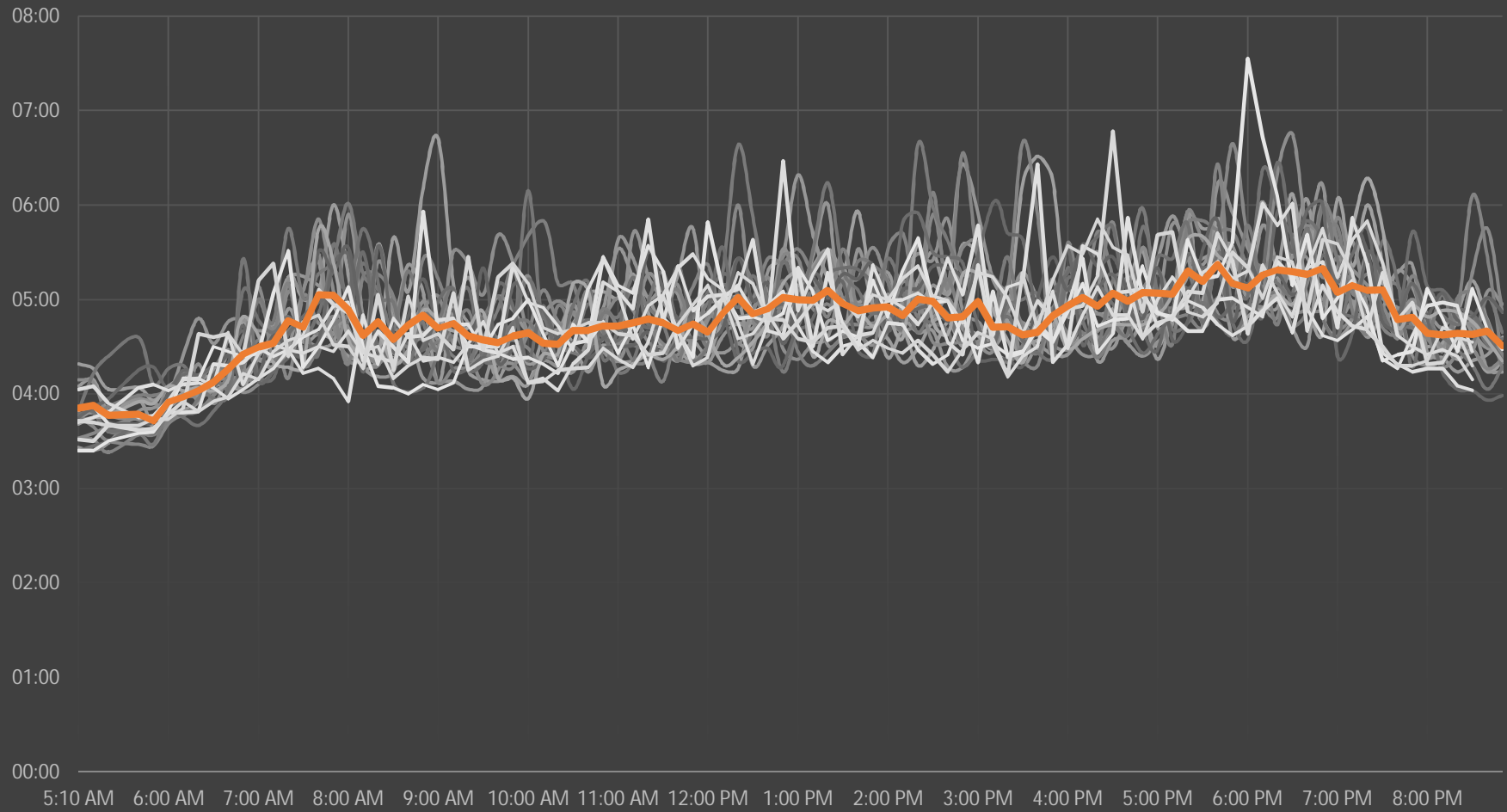


Legend:

- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/15/2019
- 2/14/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time

# Travel Time Graph

## Westview Pkwy Northbound from Hillery Dr to Black Mountain Rd

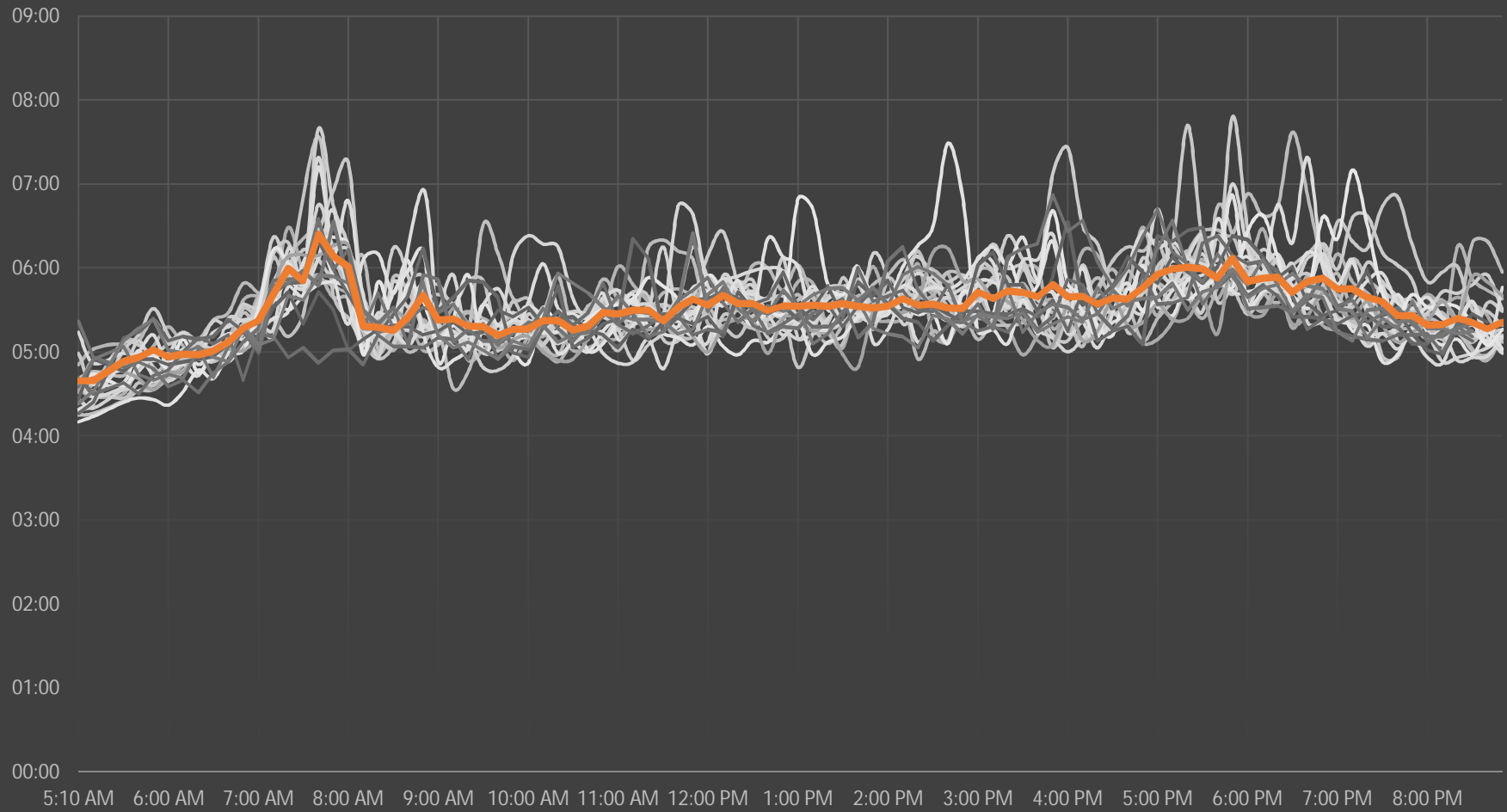


Legend:

- 1/21/2019
- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 1/31/2019
- 2/1/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/13/2019
- 2/14/2019
- 2/15/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time

# Travel Time Graph

## Westview Pkwy Southbound from Black Mountain Rd to Hillery Dr



1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019
1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019
2/4/2019	2/5/2019	2/6/2019	2/7/2019	2/8/2019
2/11/2019	2/12/2019	2/13/2019	2/15/2019	2/14/2019
2/18/2019	2/19/2019	2/20/2019	2/21/2019	Tue-Thur Avg Travel Time

Traction Probe Data Heatmap												
ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:34	07:53	07:35	06:38	07:49	07:26	07:55	07:42	07:52	07:37	07:36
5:20 AM		07:40	08:00	07:41	06:50	08:03	07:30	07:55	08:09	07:51	07:45	07:39
5:30 AM		07:33	08:05	08:07	06:53	08:05	07:50	07:49	08:08	07:40	07:41	07:50
5:40 AM		07:50	08:05	08:30	07:01	08:17	08:04	08:00	08:10	07:47	07:53	08:06
5:50 AM		07:58	08:07	07:56	07:30	07:58	08:12	07:58	08:05	08:03	08:46	08:07
6:00 AM		07:58	08:01	07:55	07:37	08:24	08:01	08:32	08:25	07:56	08:54	07:48
6:10 AM		07:48	08:05	08:16	07:47	08:16	07:56	08:19	08:32	08:01	09:06	07:57
6:20 AM		08:03	08:14	08:48	07:57	08:37	08:16	08:33	08:06	08:14	08:59	08:17
6:30 AM		08:24	08:20	08:57	08:10	08:29	08:13	08:25	08:15	07:59	08:31	08:20
6:40 AM		08:38	08:27	08:30	08:15	08:45	08:40	08:04	08:15	08:22	08:28	09:07
6:50 AM		08:43	08:57	08:27	08:30	08:33	08:40	08:36	08:27	08:34	08:24	09:02
7:00 AM		08:50	09:39	09:36	08:35	09:10	08:42	09:11	09:11	09:01	09:03	09:11
7:10 AM		09:24	09:24	08:51	08:50	08:56	09:46	08:55	09:01	08:53	09:06	09:39
7:20 AM		09:15	10:17	09:28	08:57	09:13	09:33	09:46	09:22	09:15	09:39	09:52
7:30 AM		09:54	09:55	09:54	09:10	09:21		09:31	09:21	09:34	09:55	10:07
7:40 AM		10:46	10:07	09:34	09:25	09:39	10:14	09:55	09:23	10:08	09:29	09:36
7:50 AM		10:15	10:44	09:56	09:45	09:53	10:19	10:35	09:48	09:57	09:37	10:14
8:00 AM		10:32	09:32	10:15	10:30	10:54	09:30	10:07	10:21	09:12	10:04	10:07
8:10 AM		10:32	09:43	09:19	09:27	10:04	10:07	10:27	09:40	09:13	10:40	10:29
8:20 AM		10:42	10:20	09:52	08:58	09:53	09:43	10:40	09:33	10:11	10:16	09:46
8:30 AM		09:26	09:40	09:26	09:28	09:41	09:13	10:12	09:21	10:02	10:28	09:26
8:40 AM		09:20	10:10	09:21	10:05	09:02	09:21	09:42	09:45	09:55	10:02	09:44
8:50 AM		09:24	10:00	09:09	10:01	08:59	08:47	09:15	09:28	10:11	09:49	10:03
9:00 AM		08:49	09:19	09:25	10:15	09:42	09:51	09:44	09:37	09:19	10:22	10:32
9:10 AM		09:02	09:12	08:41	09:46	09:29	10:21	09:38	08:51	09:33	10:56	11:06
9:20 AM		09:49	08:47	09:20	09:24	09:32	09:44	10:10	09:45	09:27	10:40	10:33
9:30 AM		09:38	08:55	08:18	08:57	10:15	09:44	09:43	09:08	09:02	09:29	10:21
9:40 AM		08:51	09:04	08:34	09:32	09:52	09:12	09:11	09:06	09:17	08:56	10:21
9:50 AM		10:13	08:55	09:01	08:23	09:47	09:12	09:22	08:54	09:02	09:36	09:23
10:00 AM		09:00	08:48	09:10	09:02	09:26	09:01	09:32	08:59	09:24		08:50
10:10 AM		09:26	08:48	08:37	09:11	09:14	09:04	09:36	09:08	09:30	09:03	09:06
10:20 AM		08:42	09:01	08:41	09:40	09:07	09:22	09:18	09:46	09:05	09:11	08:44
10:21 AM								09:22				
10:30 AM		08:57	08:36	08:38	09:22		09:25	09:36	08:37	09:09		
10:40 AM		09:02	08:47	09:43	09:32	09:32	09:40	09:43	09:25	09:26	10:00	08:45
10:50 AM		09:31	09:22	08:56	09:07	10:20	09:56	09:17	09:22	09:08	09:09	08:48
11:00 AM		09:49	08:47	09:04	09:06	10:25	09:21	09:20	09:17	09:03	09:04	09:08
11:10 AM		09:38	08:19	08:43	08:55	10:09	09:38	08:52		08:45	09:32	09:47
11:20 AM		09:45	08:33	08:28	09:10	09:13	09:12	09:13	09:17	08:44	09:30	10:00

ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		09:05	08:38	08:25	08:45	08:46	09:11	08:40	10:06	09:30	09:36	09:01
11:40 AM		09:17	08:37	09:23	08:47	09:15	08:47	08:49	09:52	09:02	09:39	08:40
11:50 AM		09:11	09:09	09:49	09:05	09:07	09:39	08:52	09:31	09:23	09:06	08:57
12:00 PM		09:07	08:35	09:28	09:20	09:53		08:56	09:21	09:14	09:16	08:52
12:10 PM		09:12	09:22	09:22	09:22	09:15	09:01	09:29	08:59	08:57	09:11	08:20
12:20 PM		09:32	09:26	09:26	09:03	09:05	08:48	09:04	09:40	09:39	09:17	08:42
12:30 PM		09:14	09:18	09:37	09:02	09:19	08:48	09:13	09:38	09:11	09:17	08:50
12:40 PM		09:20	09:07	09:17	08:57	09:03	09:10	09:02	09:17	09:17	09:28	09:02
12:50 PM		08:54	09:02	09:35	09:05	09:22	08:45	09:09	09:24	09:39	09:17	08:59
1:00 PM		09:31	09:06	09:53	09:52	09:49	09:11	09:27	09:43	09:31	09:47	09:32
1:10 PM	09:04	09:06	08:35	09:12	08:53	10:01	09:08	10:07	09:10	09:36	09:10	09:11
1:20 PM	09:10	09:03	09:15	09:30	09:16	09:07	09:15	09:20	09:31	09:25		09:22
1:30 PM	08:59	08:57	09:12	09:01	09:26	08:47	08:53	09:31	09:18	09:25	09:26	09:16
1:40 PM	08:32	09:17	09:15	08:41	09:06	09:06	09:21	08:59	09:19	09:14	09:50	09:23
1:50 PM	09:14	09:13	09:34	08:59	10:03	08:54	09:32	09:55	10:07	09:05	09:06	09:37
2:00 PM	09:06	09:19	09:42	09:16	10:31	09:23	08:59	09:25	09:25	10:09	08:54	09:12
2:10 PM	09:07	09:40	08:55	09:35	09:50	09:14	09:09	09:41	09:08	10:34	09:19	09:19
2:20 PM	09:21	09:12	08:58	09:18	09:16	09:30	09:48	09:29	10:13	09:55	09:49	09:23
2:30 PM	09:25	09:14	09:31	09:16	09:27	09:25	09:46	09:35	10:24	09:57	09:26	
2:40 PM	09:23	09:36	09:49	09:45	10:16	09:34	09:46	10:07	10:57	10:17	10:07	10:37
2:50 PM	08:57	09:52	09:36	09:36	09:33	09:41	10:44	09:53	11:14	09:44	09:57	10:04
3:00 PM	09:30	10:40	09:49	10:06		09:17	10:10		11:26	09:38	09:46	10:10
3:10 PM	09:13	10:15	09:15	08:55	09:38	10:07	10:01	09:33	10:47	10:06	09:30	10:13
3:20 PM	09:17	10:07	08:57	09:17	09:32	09:20	09:08	10:01	10:38	09:18	09:03	10:39
3:30 PM	09:10	09:48	09:33	10:03	09:35	09:08	09:25	09:30	10:19	09:15	09:26	10:16
3:40 PM	09:14	10:13	09:21	09:06	09:36	09:52	09:13	09:17	11:01	09:08	08:54	09:41
3:50 PM	09:29	10:08	09:55	09:08	10:16	09:38	09:30	09:26	10:36	10:27	10:25	09:54
4:00 PM	08:51	09:56	09:15	10:07	10:25	09:49	10:31	09:44	12:23	09:56	09:46	10:11
4:10 PM	09:28	10:04	09:36	09:48	10:16	10:05	10:59	10:05	11:19	11:11	11:16	09:44
4:20 PM	09:45	10:16	09:42	09:57	10:29	09:50	10:14	11:59	12:15	09:29	10:04	11:16
4:30 PM	09:00	10:21	10:50	09:54	10:26	09:47	09:58	10:23	12:06	09:48	10:19	10:53
4:40 PM	08:57	10:32	11:13	10:12	10:45	10:48	12:40	10:47	12:22	09:53	10:01	10:38
4:41 PM												
4:50 PM	08:50	10:43	10:30	10:18	11:49	10:45	10:17	10:54	12:45	10:01	10:32	10:33
5:00 PM	09:26	11:12	11:14	10:38	12:08	10:18	12:21	12:25	12:15	10:03	11:37	11:32
5:10 PM	09:04	11:02	11:13	11:17	11:36	10:50	11:02	11:48	12:47	10:20	11:30	12:05
5:20 PM	09:16	10:51	11:15	10:56	11:35	11:09	10:51	11:44	13:15	09:50	10:27	10:46
5:30 PM	10:10	10:20	11:17	11:29	11:29	11:04	10:41	11:29	12:59	10:47	10:51	10:45
5:40 PM	09:36	10:35	11:34	11:01	12:16	10:11	11:36	11:23	12:27	10:37	10:52	10:31
5:50 PM	09:25	11:30	11:33	10:52	11:10	10:45	10:47	11:14	12:06	10:08	10:41	10:56
6:00 PM	09:04	10:56	11:10	10:40	10:41	10:27	11:08	10:28	12:52	10:13	11:59	10:41
6:10 PM	09:09	11:07	10:26	10:21	11:14	09:49	11:01	11:37	12:40	09:31	11:08	10:36

ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	09:35	11:52	11:14	10:12	11:02	10:12	12:15	11:27	11:58	09:30	10:31	10:22
6:30 PM	09:13	10:23	10:09	09:26	10:21	10:12	10:31	10:52	12:06	09:42	10:59	09:58
6:40 PM	09:30	09:36	09:33	09:37	09:55	09:20	10:17	10:55	13:14	09:31	09:56	10:02
6:50 PM	09:07	10:16	09:45	09:34	09:43	09:18	09:35	09:36	11:36	09:21	09:54	08:44
7:00 PM	09:15	09:13	09:40	09:55	09:13	10:05	09:45	09:25	10:17	09:21	09:17	09:16
7:10 PM	08:41	08:54	09:03	09:29	09:04	09:12	09:23	09:32	09:32	09:22	08:49	09:40
7:20 PM	08:23	09:05	09:13	09:03	08:54	08:29	09:00	09:05	09:15	09:03	08:55	09:26
7:30 PM	08:23	08:59	09:14	09:05	08:58	08:40	08:59	08:59	09:02	08:43	08:49	08:42
7:40 PM	07:57	09:09	08:27	08:23	08:47	08:19	08:42	08:37	09:10	08:39	08:36	08:40
7:50 PM	08:12	08:56	08:36	08:51	08:30	08:14	08:35	08:44	08:53	08:38	08:27	08:26
8:00 PM	08:01	08:26	07:55	09:05	08:05	07:54	08:33	08:57	09:32	08:43	08:30	08:46
8:10 PM	07:55	08:18	07:55	08:40	08:56	08:09	08:13	08:47	08:40	09:17	08:23	08:48
8:20 PM	07:39	08:20	08:08	08:36	08:35	08:04	08:15	08:47	08:34	09:02	08:31	08:27
8:30 PM	08:36	08:07	07:51	08:14	08:13	08:25	08:23	07:54	08:22	09:03	09:00	08:24
8:40 PM	08:10	08:06	07:56	08:14	08:10	08:14	08:18	07:56	08:43	08:47	08:36	07:50
8:50 PM	08:10	08:14	08:24	08:09	08:03	08:05	08:12	07:50	08:10	08:56	08:42	08:07



Traction Probe Data Heatmap												
ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:40	07:21	07:59	07:38	07:40	07:44	07:33	07:41	07:42	07:41	07:46	07:29
5:20 AM	07:33	07:25	08:03	07:47	07:42	07:51	07:45	07:49	08:18	07:31	08:03	07:37
5:30 AM	07:33	07:28	07:45	07:48	07:32	07:44	07:47	07:36	08:14	07:33	07:43	07:36
5:40 AM	07:50	07:36	07:54	07:46	08:03	08:02	08:08	07:42	08:18	08:12	08:02	07:43
5:50 AM	07:47	07:27	08:02	07:48	08:43	07:59	08:06	07:46	08:48	08:08	08:00	07:53
6:00 AM	08:05	07:42	08:16	07:46	08:39	08:01	08:30	08:02	09:04	08:14	08:06	08:06
6:10 AM	08:11	08:04	08:40	08:03	08:20	08:12	08:46	08:29	08:34	08:20	08:03	08:27
6:20 AM	08:06	08:03	08:30	08:11	08:03	08:17	08:33	08:23	08:43	08:00	08:15	08:58
6:30 AM		08:13	08:52	08:20	08:14	08:19	08:41	08:30	08:54	07:58	08:29	08:47
6:40 AM	08:41	08:47	08:53	08:34	08:33	08:10	09:01	08:38	09:03	08:30	08:17	09:14
6:50 AM	09:06	09:08	08:58	08:52	08:42	08:01	09:39	09:06	09:10	09:00	08:06	09:50
7:00 AM	08:53	10:06	08:44	09:01	09:21	08:26	08:55	09:05	09:05	08:45	08:57	09:32
7:10 AM	09:00	08:37	09:38	09:03	09:45	09:20	09:43	09:27	08:23	09:37	09:45	09:35
7:20 AM	09:19	09:23	09:34	09:45	10:14	09:10	10:36	09:51	08:37	09:40	09:47	09:34
7:30 AM	09:53	10:36	09:28	10:09	10:20	09:56	10:35	09:13	08:30	10:02	09:51	10:31
7:40 AM	09:53	09:46	09:47	10:04	10:04	09:41	10:15	09:21	08:42	09:49	10:16	10:38
7:50 AM	10:45	10:09	10:23	09:41	09:53	09:59	10:15	08:59	08:42	09:31	09:35	11:37
8:00 AM	10:33	10:01	09:21	09:47	10:12	10:43	10:39	08:49	08:42	09:42	09:53	09:40
8:10 AM	09:59	09:21	09:22	09:18	10:00	10:22	10:12	09:05	08:45	10:01	09:47	09:51
8:20 AM	09:26	09:42	09:26	09:22	09:43	10:22	09:47	09:06	09:19	10:13	09:36	09:50
8:30 AM	09:42	09:34	10:05	10:16	10:04	10:13	09:58	09:07	09:17	09:28	10:21	10:06
8:40 AM	10:24		10:08	09:31	10:13	10:08	10:04	09:42	08:58	09:40	09:42	09:15
8:50 AM	11:01	09:18	09:46	09:32	10:42	09:35	09:23	09:58	08:30	09:18	10:16	09:47
9:00 AM	09:55	09:43	09:35	09:37	10:06	09:27	09:41	09:48	08:30	09:28	10:54	09:33
9:10 AM	10:13	09:30	09:15	10:01	10:38	09:55	09:35	09:12	08:40	09:21	09:22	09:38
9:20 AM	09:50	10:13	09:16	10:53	10:34	09:38	09:57	09:17	08:33	09:24	10:34	09:20
9:30 AM	09:42	10:44	09:24	09:44	09:34	09:35	09:51	09:07	08:39	08:55	09:57	09:01
9:40 AM	10:09	09:08	09:40	09:57	09:29	09:46	10:48	08:46	09:13	08:36	09:36	09:06
9:50 AM	09:37	08:52	09:15	09:44	09:34	09:15	10:42	09:19	09:18	09:05	09:11	08:34
10:00 AM	08:59	08:55	09:12	09:47	09:36	09:19	09:06	09:15	09:31	09:06	09:17	08:54
10:10 AM	08:51	08:46	09:03	10:40	09:35	09:15	08:40	08:58	09:10	09:30	09:22	09:40
10:20 AM	08:42	08:39	09:06	08:59	08:34	08:46	08:45	09:07	09:05	09:31	08:58	09:44
10:21 AM						08:47	09:08	08:57	08:59	09:55	09:30	10:04
10:30 AM	09:04	08:48	09:12	09:05	08:36	08:48	09:09	09:24	08:45	09:24	09:49	09:44
10:40 AM	09:09	09:13	08:44	09:34	08:29	08:54	09:03	09:36	08:53	09:01	09:22	09:16
10:50 AM	09:18	08:50	08:50	09:47	09:12	09:25	10:03	10:03	08:31	09:14	09:59	09:36
11:00 AM	09:33	09:20	09:03	08:50		09:47	10:15	08:49	08:54	09:26	09:51	09:35
11:10 AM	09:30	09:32	09:32	08:53	09:23	09:04	09:43	10:31	08:40	09:44	09:14	09:09
11:20 AM	08:56	09:42	09:07	08:45	09:38	09:09	09:47	09:25	08:22	08:44	09:14	09:31



ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:50	09:41	09:43	08:38	09:24	09:01	09:41	09:08	08:35	09:02	08:48	08:36
11:40 AM	09:12	09:36	09:25	08:41	08:52	09:34	09:49	09:40	08:45	09:35	08:43	09:24
11:50 AM	08:51	09:52	09:29	09:00	08:25	09:47	09:31	08:40	08:22	09:35	09:06	09:03
12:00 PM	09:28	09:47	10:23	09:00	08:58	08:55	09:17	09:07	09:07	09:35	09:58	09:36
12:10 PM	09:29	09:39	10:06	08:50	09:06	08:42	09:10	08:56	08:55	08:52	08:58	10:07
12:20 PM	09:25	09:40	10:01	09:12	09:14	09:14	09:44	09:45	08:41	09:23	09:21	10:03
12:30 PM	09:24	09:51	09:35	09:22	09:03	09:05	09:33	09:41	08:56	08:49	10:01	09:35
12:40 PM	09:49	11:02	09:26	09:06	09:28	09:34	10:07	09:41	09:05	09:34	09:53	09:06
12:50 PM	09:26	10:16	09:47	09:18	09:25	09:09	09:37	09:14	09:19	08:51	09:23	09:32
1:00 PM	09:05	09:43	09:49		09:45	09:27	09:26	09:01	08:56	08:48	08:59	09:27
1:10 PM	08:57	09:27	09:12	09:02	09:17	09:32	09:57	09:08	09:16	09:49	09:32	09:12
1:20 PM	09:40	09:21	09:36	08:58	09:10	09:36	09:49	09:15	09:05	09:28	09:32	09:13
1:30 PM	09:25	08:57	09:26	09:01	08:44	10:24	09:20	08:54	08:36	09:22	09:55	08:56
1:40 PM	09:05	09:28	09:34	10:17	08:53	09:28	09:53	08:56	09:03	09:00	09:12	09:32
1:50 PM	09:06	09:25	09:29	10:01	09:15	09:30	09:40	08:56	09:08	09:18	10:08	09:05
2:00 PM	09:09	09:25	09:35	09:43	09:49	09:16	09:33	09:09	09:01	09:22	09:13	09:29
2:10 PM	09:14	09:32	09:35	09:40	10:19	09:40	09:35	08:59	10:12	09:12	09:19	09:16
2:20 PM	09:52	10:11	09:57	09:55	10:08	10:20	09:46	09:22	09:35	09:30	10:10	09:02
2:30 PM	09:33	09:43	10:03	09:24	10:13	10:44	10:19	09:44	09:54	10:59	10:07	09:50
2:40 PM	09:51	09:15	10:18	09:58	10:49	11:01	09:55	09:27	09:44	09:49	10:04	10:02
2:50 PM	10:13	10:14	10:02	09:50	10:04	10:06	09:44	10:25	09:01	09:52	09:56	09:45
3:00 PM	10:05	10:24		09:58	09:25	09:46	09:57	09:18	09:19	09:30	10:14	09:40
3:10 PM	09:23	09:59	09:20	09:11	09:42	09:57	09:42	09:20	08:53	09:41	10:03	09:43
3:20 PM	09:17	09:24	09:55	09:00	09:08	09:45	10:42	09:15	09:13	09:12	10:51	10:04
3:30 PM	09:31	09:10	09:56	09:58	09:49	10:09	09:43	09:33	08:59	09:50	10:15	10:03
3:40 PM	10:10	09:48	09:45	09:33	09:39	10:54	09:50	09:58	09:13	10:31	11:28	09:54
3:50 PM	10:47	09:48	10:20	09:42	09:51	11:21	10:01	09:20	08:47	09:37	09:43	10:18
4:00 PM	10:22	10:40	09:36	10:45	09:56	11:18	10:44	10:06	09:35	10:38	11:27	11:32
4:10 PM	09:58	09:54	10:49	10:40	10:18	10:58	10:37	10:13	09:38	10:44	10:42	10:57
4:20 PM	10:41	09:58	10:59	10:09	10:11	12:27	09:45	10:22	09:45	11:40	10:10	10:33
4:30 PM	09:56	10:51	10:56	11:00	10:10	12:32	09:53	09:41	09:16	10:39	11:41	12:34
4:40 PM	10:57	10:23	11:06	10:54	10:34	11:40	10:21	09:51	09:24	10:45	11:15	13:38
4:41 PM	11:22					11:59	09:55	09:44	09:01	12:02	12:09	14:55
4:50 PM	12:06	10:36	10:52	10:50	09:55	13:00	09:59	09:56	09:47	12:21	10:58	13:55
5:00 PM	11:16	10:51	12:15	10:57	11:00	12:52	10:09	10:21	09:48	12:00	11:00	14:15
5:10 PM	11:29	11:28	11:12	10:48	10:13	11:51	09:51	09:53	09:40	10:36	10:38	12:56
5:20 PM	11:16	13:43	12:05	11:09	11:52	12:36	10:26	10:31	09:08	11:09	11:23	11:22
5:30 PM	11:02	12:22	11:14	12:49	10:19	11:55	10:15	09:53	08:59	12:07	11:13	12:00
5:40 PM	11:35	11:27	10:16	11:33	11:02	11:16	09:38	09:37	09:23	11:29	10:45	10:26
5:50 PM	11:39	11:06	10:44	10:44	10:53	11:28	09:47	10:01	09:48	12:04	10:39	10:32
6:00 PM	11:44	12:02	10:13	10:02	11:44	10:40	10:07	09:44	09:49	10:57	10:57	10:02
6:10 PM	12:33	10:57	11:04	10:59	10:27	11:15	09:28	08:58	09:23	10:19	10:07	10:14

ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	11:41	12:00	09:46	11:02	11:05	11:16	09:24	09:39	09:14	10:36	09:48	09:33
6:30 PM	10:58	10:37	09:33	10:38	10:09	11:19	09:47	09:18	09:22	09:57	09:07	09:52
6:40 PM	10:24	10:33	09:34	10:15	09:44	09:38	09:08	09:33	08:40	10:29	09:11	09:51
6:50 PM	09:29	10:09	09:36	09:39	10:12	09:41	09:23	08:41	08:14	08:58	08:51	09:14
7:00 PM	09:33	09:54	09:41	09:17	09:52	09:40	09:12	08:29	08:12	08:51	08:59	08:40
7:10 PM	09:38	09:14	08:56	09:06	09:41	09:16	08:56	08:38	08:12	08:50	09:19	09:16
7:20 PM	09:13	09:18	08:52	09:16	09:47	09:08	08:32	08:34	08:16	09:05	09:01	09:20
7:30 PM	09:02	09:07	08:33	08:53	08:19	09:03	08:34	08:26	08:31	09:04	08:32	08:29
7:40 PM	09:21	08:51	08:34	08:40	08:14	09:23	08:44	08:22	08:14	08:44	08:43	08:54
7:50 PM	08:39	09:13	08:47	08:36	08:34	09:05	08:24	08:29	08:31	07:54	08:35	08:49
8:00 PM	08:28	08:38	09:27	08:22	09:02	08:45	08:55	08:54	08:21	08:05	08:43	08:25
8:10 PM	08:16	08:19	09:01	08:13	08:18	08:16	08:53	09:18	08:16	08:14	08:29	08:07
8:20 PM	08:07	08:25	08:38	08:16	08:44	08:17	08:20	08:30	08:26	08:11	08:35	08:25
8:30 PM	08:21	08:26	08:44	08:19	08:35	08:33	08:10	08:10	08:41	08:12	08:27	08:18
8:40 PM	07:51	08:22	08:09	07:57	08:21							
8:50 PM	08:12	08:24	08:05	07:54	08:19							

Traction Probe Data Heatmap

ROUTEBlack Mountain Rd SB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:00	07:38	07:42	07:03	07:20	07:20	07:26	07:41	07:05	07:02	07:33
5:20 AM		07:00	07:56	07:42	07:05	07:21	07:00	07:22	07:47	07:18	07:16	07:25
5:30 AM		07:11	07:59	07:35	07:03	07:18	07:06	07:12	07:45	07:17	07:18	07:33
5:40 AM		07:23	07:37	07:42	07:22	07:33	07:25	07:16	07:57	07:20	07:37	07:42
5:50 AM		07:20	07:41	07:42	07:43	07:15	07:14	07:20	08:14	07:45	07:43	07:39
6:00 AM		07:42	07:55	07:51	07:20	07:13	07:15	07:23	07:38	07:45	07:36	07:53
6:10 AM		07:58	08:07	08:01	07:46	07:37	07:23	07:38	07:44	07:45	07:45	07:58
6:20 AM		08:00	08:00	07:53	08:07	07:37	08:04	08:09	08:05	08:00	07:45	08:07
6:30 AM		08:03	08:34	07:57	08:13	07:59	08:17	08:19	07:45	07:49	07:55	08:23
6:40 AM		08:44	08:45	08:21	08:39	08:07	08:08	08:36	07:58	08:13	08:10	08:33
6:50 AM		08:55	08:31	09:36	08:36	08:54	08:39	09:06	08:50	09:03	08:46	08:52
7:00 AM		09:10	09:18	09:05	08:36	08:41	09:53	09:38	08:35	09:05	08:55	09:14
7:10 AM		09:57	09:19	09:13	09:02	09:19	09:28	09:21	09:05	09:02	09:29	09:38
7:20 AM		09:54	09:16	09:35	09:13	09:04	10:13	09:34	10:17	09:44	10:09	10:02
7:30 AM		10:47	10:16	10:36	09:15	10:10	10:32	10:05	09:59	09:37	09:56	10:25
7:40 AM		11:25	10:31	10:58	09:57	10:16	10:42	10:12	10:21	10:04	10:16	11:17
7:50 AM		11:08	10:56	11:03	10:37	10:19	11:23	12:33	11:36	10:25	11:36	12:44
8:00 AM		11:57	11:50	11:59	10:29	11:52	12:32	12:08	11:48	10:28	12:19	13:41
8:10 AM		11:09	10:22	12:39	10:19	10:43	12:32	11:07	10:09	09:54	10:39	11:56
8:20 AM		10:53	10:17	12:27	10:01	10:24	11:29	11:22	10:10	09:22	10:29	11:24
8:30 AM		10:24	10:24	11:02	09:34	10:01	10:53	09:54	09:51	09:54	10:12	12:49
8:40 AM		10:35	11:40	09:45	09:16	09:33	10:11	09:51	10:02	09:48	10:05	11:09
8:50 AM		10:37	10:58	09:44	09:52	10:15	09:31	11:03	10:29	10:12	11:36	10:27
9:00 AM		11:23	10:55	09:34	09:27	09:37	09:08	10:33	10:29	09:10	11:30	10:37
9:10 AM		11:28	09:48	09:49	09:17	09:55	10:04	09:54	09:25	09:00	11:15	11:18
9:20 AM		10:27	09:36	09:18	09:07	09:57	12:05	09:55	09:20	08:56	12:11	09:32
9:30 AM		09:13	09:59	09:09	09:07	09:16	09:40	09:23	10:29	08:59	11:12	09:59
9:40 AM		09:32	09:01	09:10	09:06	08:28	09:40	09:50	09:09	08:42	09:55	10:07
9:50 AM		08:34	09:55	08:27	09:18	08:52	08:47	09:06	08:56	08:50	09:02	09:27
10:00 AM		08:48	08:53	08:21	08:45	09:24	08:33	09:04	08:27	08:36	08:53	08:44
10:10 AM		08:48	08:42	08:25	09:18	09:19	08:48	09:06	08:12	08:42	08:52	08:25
10:20 AM		08:46	08:55	08:43	08:59	08:56	08:35	08:50	08:08	08:53	08:40	08:19
10:21 AM								08:44				
10:30 AM		09:07	08:27	08:31	08:52	08:43	08:46	08:56	08:33	09:08	08:29	08:46
10:40 AM		08:42	08:45	08:32	08:37	08:40	08:58	08:43	08:38	09:38	08:45	08:49
10:50 AM		08:19	08:50	08:36	08:50	08:42	08:21	08:41	08:53	09:17	09:03	08:50
11:00 AM		08:34	09:30	08:33	08:51	08:34	08:58	09:10	08:32	08:39	09:09	08:21
11:10 AM		08:44	08:39	08:24	08:56	08:31	08:55	08:53		08:49	08:53	08:32
11:20 AM		08:28	08:58	08:34	09:00	09:01	08:43	08:53	09:11	08:54	08:58	08:44

ROUTE	Black Mountain Rd SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:33	08:51	08:25	08:55	08:42	09:06	09:06	08:46	09:09	08:39	08:17
11:40 AM		08:36	08:53	08:39	08:50	09:22	08:42	08:32	08:43	08:48	08:45	08:43
11:50 AM		08:51	08:59	08:47	09:04	09:18	09:13	08:42	08:39	08:56	08:30	08:34
12:00 PM		08:35	08:43	09:01	09:29	09:02	08:48	08:48	08:31	09:14	08:44	08:51
12:10 PM		08:36	08:55	09:20	08:44	08:48	09:13	08:45	09:08	08:36	08:41	08:32
12:20 PM		08:51	08:27	09:21	08:52	08:34	09:16	08:53	08:44	09:22	08:39	09:05
12:30 PM		08:47	08:46	08:59	08:59	09:01	09:06	09:02	08:56	09:39	08:47	08:40
12:40 PM		08:42	08:53	08:57	09:18	08:50	09:27	08:55	09:06	08:26	08:48	09:02
12:50 PM		09:33	08:56	09:29	09:28	09:20	09:03	08:27	09:02	09:02	09:00	08:55
1:00 PM		08:35	08:57	08:49	08:50	09:10	08:59	09:11	09:13	08:56	08:57	08:59
1:10 PM	09:21	08:42	09:06	08:53	09:05	08:20	08:55	08:49	08:50	09:04	09:12	08:35
1:20 PM	09:08	08:36	09:03	08:43	09:05	09:10	08:53	08:49	08:55	09:15		08:41
1:30 PM	09:01	08:28	08:37	08:30	09:16	08:40	09:08	08:50	08:44	08:57	09:01	08:53
1:40 PM	08:45	08:36	08:33	08:47	08:44	08:59	09:08	08:49	08:40	09:43	09:11	08:43
1:50 PM	08:42	08:38	08:55	08:31	08:44	08:54	09:18	08:59	09:10	09:14	09:13	08:40
2:00 PM	08:42	08:40	09:15	08:44	09:19	09:44	09:15	09:11	09:46	09:02	08:51	08:55
2:10 PM	08:51	08:42	09:20	09:14	09:15	09:09	09:23	09:20	09:53	09:25	08:57	09:02
2:20 PM	09:02	09:14	09:02	08:57	08:52	09:18	09:29	09:25	09:12	09:19	09:17	09:19
2:30 PM	08:52	09:40	09:05	09:13	09:23	09:26	09:29	09:42	09:28	09:47	09:42	09:48
2:40 PM	09:04	09:57	09:34	09:14	09:49	09:25	10:38	09:20	10:12	10:16	10:11	10:15
2:50 PM	08:53	09:33	09:46	09:18	09:23	08:54	09:39	09:12	10:15	10:50	09:04	10:03
3:00 PM	08:42	09:34	09:08	08:53	09:35	09:15	09:29	09:13	10:40	09:49	09:18	09:27
3:10 PM	08:41	09:32	09:09	08:54	09:52	08:45	09:29	09:44	09:50	09:59	08:51	09:48
3:20 PM	09:17	08:52	09:40	08:50	09:47	08:49	09:21	09:26	10:54	09:20	09:37	09:37
3:30 PM	09:14	09:29	09:30	09:52	09:26	09:20	09:01	09:37	10:24	09:24	09:26	09:14
3:40 PM	08:43	09:31	09:37	08:58	10:44	09:17	09:12	09:53	13:18	09:21	09:22	09:12
3:50 PM	08:53	09:44	10:32	09:29	09:38	09:24	09:38	09:09	17:55	09:45	09:52	10:02
4:00 PM	09:29	10:00	09:38	09:17	09:19	09:59	09:31	09:49	12:52	10:39	09:59	09:44
4:10 PM	09:08	09:18	09:45	09:41	09:43	09:51	10:52	09:31	15:37	09:54	09:47	09:56
4:20 PM	09:10	10:36	09:47	10:26	10:35	09:21	10:34	10:12	16:25	09:43	09:33	09:26
4:30 PM	09:18	10:11	09:57	08:56	10:23	09:14	09:30	09:33	17:21	09:58	09:59	09:46
4:40 PM	08:44	09:58	10:12	10:04	09:46	09:09	10:17	10:41	20:23	10:16	09:54	09:41
4:41 PM												
4:50 PM	08:58	10:10	10:38	10:15	10:48	11:00	10:30	10:00	20:36	11:51	09:56	10:27
5:00 PM	09:22	10:41	10:32	10:32	11:30	09:58	10:21	10:47	21:31	10:11	09:46	10:53
5:10 PM	09:06	09:40	10:34	09:48	10:12	10:03	10:16	12:27	20:09	10:06	09:53	10:24
5:20 PM	09:33	09:45	10:11	10:06	09:54	10:04	10:11	11:00	16:01	10:26	11:15	10:07
5:30 PM	09:25	10:49	10:25	11:01	10:40	09:51	10:07	11:13	18:25	09:47	10:47	10:04
5:40 PM	09:42	10:53	10:04	10:18	10:47	09:54	10:15	10:31	18:44	11:07	10:27	10:33
5:50 PM	09:26	10:41	10:29	10:02	09:57	09:39	11:10	10:29	17:55	10:09	10:19	10:38
6:00 PM	09:29	10:50	10:05	10:51	10:10	09:03	10:46	10:47	19:24	10:05	10:51	11:05
6:10 PM	09:36	10:22	10:53	10:27	09:57	10:22	10:44	10:41	15:09	09:31	11:01	10:23

ROUTE	Black Mountain Rd SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	08:53	10:01	10:30	09:41	10:51	09:57	10:14	10:30	16:33	09:48	09:58	10:14
6:30 PM	09:07	09:59	09:33	09:58	10:06	09:24	10:19	09:54	12:59	09:08	10:17	10:43
6:40 PM	09:17	09:51	09:28	10:23	10:15	09:16	09:58	09:56	12:24	09:14	09:43	09:26
6:50 PM	08:41	09:28	09:18	09:53	09:41	08:43	09:36	09:09	10:45	09:03	09:09	09:33
7:00 PM	08:40	09:06	08:49	09:06	09:21	08:51	09:57	09:18	09:57	09:09	08:27	09:06
7:10 PM	08:34	09:00	08:44	09:14	09:22	09:02	08:57	08:37	10:26	09:06	08:47	08:53
7:20 PM	08:09	08:40	08:23	09:07	09:10	09:04	09:02	08:49	09:21	08:39	08:24	08:56
7:30 PM	08:40	08:29	08:11	08:32	08:55	08:35	08:42	08:21	08:36	08:26	08:25	08:31
7:40 PM	08:22	08:05	07:58	08:09	08:42	08:12	08:22	08:15	08:44	08:42	08:24	08:41
7:50 PM	08:05	08:12	07:56	07:52	08:25	08:09	08:17	08:22	08:32	09:12	08:13	08:11
8:00 PM	07:49	08:12	07:57	07:55	08:19	08:00	07:49	08:14	08:07	08:56	08:43	08:01
8:10 PM	07:50	08:11	07:42	08:02	08:32	07:57	08:04	08:19	08:06	08:04	08:11	08:12
8:20 PM	07:50	08:00	07:49	07:40	08:35	08:31	08:42	08:00	08:06	08:16	08:01	08:23
8:30 PM	08:07	07:55	07:50	07:55	08:20	08:25	08:17	08:07	08:24	08:22	08:03	08:08
8:40 PM	07:55	07:52	07:32	07:55	08:01	08:08	07:49	07:58	08:21	08:04	07:59	07:56
8:50 PM	07:32	07:49	07:43	07:23	07:44	07:53	07:47	08:04	08:05	08:14	07:49	07:50



	Traction Probe Data Heatmap											
ROUTE	Black Mountain Rd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:08	07:30	06:53	07:06	07:20	06:53	07:32	07:02	07:07	07:18	07:13	07:38
5:20 AM	07:13	07:36	07:05	07:09	07:22	06:57	07:34	07:07	07:05	07:13	07:11	07:40
5:30 AM	07:06	07:31	07:09	07:15	07:20	07:00	07:34	07:38	07:05	07:13	07:04	07:29
5:40 AM	07:28	07:38	07:27	07:23	07:35	07:18	07:27	07:18	07:09	07:24	07:16	07:29
5:50 AM	07:44	07:53	07:48	07:48	07:46	07:25	07:34	07:10	07:14	07:28	07:21	07:33
6:00 AM	07:31	07:38	08:04	07:45	07:41	07:41	07:39	07:17	07:29	07:32	07:26	07:31
6:10 AM	07:52	07:53	08:29	08:02	07:48	07:58	08:06	07:37	07:48	07:44	07:39	07:46
6:20 AM	07:54	08:01	08:20	08:09	08:04	08:01	08:31	08:09	07:54	07:48	07:48	08:06
6:30 AM		08:18	08:18	08:16	08:12	08:07	08:51	08:13	07:58	07:58	08:01	08:14
6:40 AM	08:11	08:27	08:12	08:27	08:27	08:13	08:59	08:05	08:04	08:18	08:23	08:09
6:50 AM	09:08	08:37	08:33	09:00	09:02	09:11	09:19	09:06	08:02	08:59	08:30	08:31
7:00 AM	09:05	08:51	08:55	09:02	09:15	09:01	08:52	08:42	08:08	09:15	08:27	08:58
7:10 AM	09:07	09:27	09:25	09:24	09:56	08:49	09:31	08:56	08:18	09:31	09:24	09:15
7:20 AM	09:43	09:21	09:37	09:28	10:05	10:10	10:18	08:57	08:16	10:00	10:18	10:14
7:30 AM	10:27	11:49	09:42	10:00	10:13	10:29	10:44	08:55	08:34	11:07	10:27	10:16
7:40 AM	10:30	11:08	09:56	10:35	10:55	10:43	11:51	09:13	08:39	10:33	10:26	10:31
7:50 AM	12:36	12:03	10:44	12:21	12:52	12:41	12:36	09:57	08:30	11:45	11:02	10:45
8:00 AM	11:39	12:37	10:28	12:04	12:09	11:46	13:12	09:38	08:45	12:01	10:59	11:43
8:10 AM	11:04	11:23	09:50	11:14	13:18	10:46	13:48	08:59	08:21	11:45	09:53	10:58
8:20 AM	10:53	11:06	09:20	12:14	11:45	10:45	12:57	09:24	08:22	09:38	10:35	09:52
8:30 AM	11:29	10:25	09:35	11:06	10:42	10:25	11:13	08:42	08:40	09:41	09:54	09:51
8:40 AM	10:36		09:33	10:50	10:30	09:46	12:54	09:33	08:53	09:36	10:48	09:32
8:50 AM	09:44	10:52	10:04	11:30	11:26	11:08	11:35	09:01	08:48	10:05	10:50	09:33
9:00 AM	11:26	10:15	09:42	09:59	10:47	10:05	11:12	08:53	08:40	10:02	09:52	09:47
9:10 AM	10:36	09:31	09:07	09:53	10:08	10:08	12:07	08:54	08:37	09:25	09:35	09:17
9:20 AM	09:51	09:25	08:54	09:50	09:42	09:47	11:28	09:05	08:52	10:14	10:16	09:02
9:30 AM	10:03	09:33	09:10	09:37	10:04	09:30	12:09	09:12	09:02	09:43	10:01	09:22
9:40 AM	09:12	09:30	08:32	09:39	09:03	09:27	11:43	08:57	08:34	09:03	09:59	09:24
9:50 AM	09:04	09:04	08:45	08:46	08:45	09:04	10:40	09:02	08:06	08:46	09:40	08:56
10:00 AM	08:48	08:43	08:47	08:27	09:01	09:35	09:31	09:13	08:47	08:47	09:09	08:50
10:10 AM	08:14	08:56	08:44	08:41	09:16	08:53	09:07	09:00	08:26	08:36	08:56	08:20
10:20 AM	08:20	09:03	08:53	08:54	09:22	08:42	08:46	08:50	08:13	08:46	09:01	08:26
10:21 AM							09:08	08:27	08:50	08:48	09:06	08:54
10:30 AM	08:43	08:53	09:02	08:48	08:57	08:56	08:54	08:55	09:00	08:33	08:32	08:31
10:40 AM	08:48	08:32	08:44	09:07	09:16	08:40	09:11	08:52	08:27	08:49	08:44	08:56
10:50 AM	08:36	08:39	08:57	08:38	08:47	08:09	09:02	08:53	08:51	09:14	09:04	09:11
11:00 AM	08:41	08:50	09:11	08:36		08:12	08:54	08:54	08:52	09:06	08:49	09:08
11:10 AM	08:43	09:15	08:40	08:27	09:22	08:35	09:20	09:03	08:34	08:45	08:58	08:47
11:20 AM	08:59	09:12	08:39	09:19	08:41	09:25	09:01	08:38	08:52	08:33	08:45	08:21

ROUTE	Black Mountain Rd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:41	08:57	08:36	09:06	09:10	09:21	09:07	09:11	08:07	09:16	08:25	08:13
11:40 AM	08:37	08:46	08:59	09:06	08:55	08:35	08:42	09:09	08:27	09:31	08:55	08:57
11:50 AM	08:50	09:32	09:07	09:05	08:46	09:07	08:48	08:35	08:39	08:52	09:34	09:11
12:00 PM	09:00	09:07	08:58	08:45	08:48	08:59	08:54	08:52	09:06	09:30	09:07	09:11
12:10 PM	08:54	08:47	09:02	09:05	08:37	08:45	09:22	08:49	08:41	09:03	08:56	09:27
12:20 PM	09:13	09:03	08:46	08:58	08:40	08:41	10:08	08:57	09:04	08:44	09:09	09:03
12:30 PM	09:25	09:38	09:21	09:03	08:30	09:17	09:58	09:43	08:33	09:03	09:10	09:24
12:40 PM	09:35	09:20	09:08	09:15	08:59	09:31	09:29	08:49	08:32	08:25	09:25	09:03
12:50 PM	09:23	09:39	09:10	09:00	08:40	09:11	10:02	09:00	08:27	09:11	09:02	09:29
1:00 PM	08:53	09:31	09:09	09:05	09:08	09:15	09:17	09:25	08:39	08:44	09:06	08:39
1:10 PM	09:15	09:31	09:06	09:45	09:11	08:58	09:00	08:50	08:52	09:11	09:01	09:25
1:20 PM	09:17	08:51	09:13	09:18	08:43	09:09	09:02	08:39	08:25	09:13	08:54	09:09
1:30 PM	08:27	08:45	09:07	09:00	08:52	09:29	09:42	09:08	08:57	09:27	08:50	08:43
1:40 PM	08:47	08:52	08:51	09:07	08:54	09:03	08:50	09:16	08:43	08:57	09:15	08:41
1:50 PM	09:28	08:58	08:52	09:01	09:24	08:55	08:37	09:00	09:04	09:17	08:42	08:57
2:00 PM	09:50	08:58	09:00	09:24	09:14	08:57	08:48	09:17	08:36	09:56	09:05	09:19
2:10 PM	09:15	09:20	09:41	09:41	09:08	08:45	08:59	09:00	08:55	09:15	09:43	08:58
2:20 PM	09:38	09:18	09:33	09:12	09:29	09:08	08:50	09:11	09:27	09:37	10:15	09:35
2:30 PM	09:44	09:32	09:50	09:56	09:43	09:44	09:20	09:31	08:56	09:56	11:12	09:15
2:40 PM	09:45	09:18	09:52	09:47	09:47	09:58	09:09	09:28	08:46	10:11	10:23	09:13
2:50 PM	09:23	09:19	09:35	09:23	09:55	09:38	09:21	09:34	08:59	09:44	09:54	09:27
3:00 PM	09:22	09:00	10:07	09:41	09:53	09:53	08:59	09:37	08:55	09:42	09:24	09:46
3:10 PM	09:43	08:43	09:52	09:27	09:43	10:12	09:32	09:34	08:25	09:10	10:01	10:11
3:20 PM	09:47	10:03	09:30	09:16	09:42	10:03	10:05	09:14	08:20	09:30	09:31	10:07
3:30 PM	09:39	09:25	09:25	09:51	09:36	10:55	09:44	09:18	08:29	09:46	09:38	09:33
3:40 PM	09:45	09:55	10:06	09:03	09:54	11:31	10:10	08:54	08:48	09:32	10:04	10:03
3:50 PM	09:37	09:53	09:36	09:49	09:30	11:12	10:28	09:17	08:53	09:11	09:59	10:12
4:00 PM	09:32	09:32	09:38	09:31	09:37	11:38	09:40	09:29	09:22	09:53	10:02	10:34
4:10 PM	09:33	09:41	10:38	09:47	10:18	12:26	10:02	09:45	09:23	09:29	11:04	09:27
4:20 PM	09:09	10:01	10:27	10:24	10:08	12:54	09:44	09:40	09:13	09:54	10:44	09:44
4:30 PM	09:21	09:59	10:21	10:02	09:55	12:36	10:48	09:43	09:36	09:59	10:10	10:12
4:40 PM	09:55	10:01	10:35	10:57	10:10	12:39	09:33	10:06	09:18	10:47	10:26	10:46
4:41 PM	09:56						10:00	10:42	09:07	10:33	10:33	09:59
4:50 PM	10:04	11:22	09:50	10:53	10:30	13:46	09:29	09:55	09:13	10:25	11:00	10:13
5:00 PM	10:23	10:30	10:40	10:04	10:21	16:26	09:35	10:06	08:57	10:56	10:10	10:48
5:10 PM	10:29	09:39	10:09	09:44	11:27	18:11	10:12	09:38	09:09	10:19	09:27	10:21
5:20 PM	10:17	10:11	10:24	09:49	11:01	18:12	09:27	09:54	09:17	10:41	09:58	09:54
5:30 PM	10:45	10:27	10:45	10:49	11:59	14:14	09:34	10:18	09:12	10:03	09:33	09:37
5:40 PM	10:54	10:40	10:34	10:33	10:49	14:24	09:47	09:50	09:26	09:25	10:10	10:10
5:50 PM	10:00	10:58	10:23	10:51	10:18	13:31	09:46	09:49	09:21	11:14	10:15	10:19
6:00 PM	10:39	10:16	10:21	09:30	10:33	13:10	09:35	09:10	09:31	10:14	10:11	10:00
6:10 PM	09:53	10:53	10:02	09:43	11:00	14:54	09:41	09:24	09:40	09:53	09:55	10:02

ROUTE	Black Mountain Rd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	09:51	10:19	09:42	09:50	09:45	12:47	09:36	09:22	09:17	09:50	10:09	09:35
6:30 PM	10:05	10:43	09:25	09:25	10:35	11:28	09:16	08:57	08:47	09:16	09:19	09:50
6:40 PM	09:42	10:53	09:35	09:15	09:28	10:55	08:53	08:55	08:40	09:31	08:39	09:26
6:50 PM	09:14	10:05	09:39	08:47	09:28	10:58	08:58	08:30	08:37	08:54	08:44	08:55
7:00 PM	08:48	09:32	09:37	08:41	09:30	12:09	08:42	08:37	08:26	09:16	09:04	08:39
7:10 PM	08:44	08:57	09:03	08:42	09:27	10:09	08:07	08:41	08:43	08:33	08:46	08:29
7:20 PM	08:38	08:58	09:17	09:04	08:30	08:51	08:29	08:38	08:18	08:38	08:36	08:14
7:30 PM	08:29	08:49	09:04	08:33	08:31	08:40	08:30	08:41	07:53	08:35	08:29	07:59
7:40 PM	08:23	08:50	08:31	08:25	08:10	08:27	07:44	08:20	08:10	08:20	08:21	07:56
7:50 PM	08:23	08:27	08:34	08:45	08:11	08:39	08:12	08:28	07:51	08:51	08:09	07:43
8:00 PM	08:25	08:19	08:35	08:36	08:10	08:07	08:04	08:32	07:41	08:28	08:06	07:40
8:10 PM	08:24	08:30	08:42	08:10	08:07	08:11	09:00	08:17	07:32	08:44	08:00	08:04
8:20 PM	08:14	08:48	08:55	08:12	08:11	08:02	08:19	08:33	07:30	08:29	08:08	08:01
8:30 PM	08:13	08:24	08:39	08:01	08:05	08:12	08:15	08:17	07:41	08:05	08:13	07:58
8:40 PM	08:15	08:22	08:16	07:58	07:50	08:09						
8:50 PM	08:10	08:06	08:10	07:59	07:40	08:25						



Traction Probe Data Heatmap												
ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		06:35	06:50	06:44	06:40	06:39	06:20	06:42	06:34	07:02	07:00	06:38
5:20 AM		06:49	07:11	06:28	06:30	06:23	06:50	06:40	06:20	07:02	06:50	07:15
5:30 AM		06:39	07:04	06:30	06:28	06:26	06:52	06:48	06:25	07:00	06:53	07:18
5:40 AM		06:31	07:04	06:59	06:51	06:50	07:12	06:44	07:01	07:19	06:57	07:10
5:50 AM		06:37	07:17	06:56	06:55	07:04	07:05	06:51	07:04	07:26	06:59	07:37
6:00 AM		06:33	06:59	06:53	06:56	07:08	07:07	07:00	07:12	07:34	06:47	07:18
6:10 AM		06:45	06:55	06:56	07:23	07:16	07:01	07:01	07:29	07:58	06:56	07:36
6:20 AM		06:56	06:45	07:05	07:14	07:39	07:19	07:11	07:18	07:36	06:56	07:31
6:30 AM		06:57	06:47	06:50	07:21	07:54	07:23	07:19	07:14	07:34	06:45	07:32
6:40 AM		07:06	06:57	07:01	07:17	07:58	07:42	07:18	07:24	07:34	07:23	07:26
6:50 AM		07:02	07:12	07:20	07:32	07:55	07:57	07:44	07:49	07:47	07:19	07:15
7:00 AM		07:07	07:38	07:38	07:40	08:01	07:59	07:39	07:02	07:40	08:10	07:36
7:10 AM		07:46	07:54	07:48	07:51	08:07	07:50	07:51	08:30	08:25	07:34	07:48
7:20 AM		08:56	08:27	08:31	08:24	07:40	08:51	07:53	08:05	09:09	08:06	08:02
7:30 AM		08:28	08:42	08:24	08:20	07:50		08:35	08:07	07:59	08:09	08:00
7:40 AM		08:13	08:23	08:56	08:22	08:15	08:02	08:21	08:06	08:43	08:21	08:23
7:50 AM		08:11	08:43	08:45	08:11	08:33	08:12	08:24	08:18	08:00	08:50	08:38
8:00 AM		08:56	08:51	08:19	08:43	07:54	07:56	08:15	08:27	08:33	08:54	
8:10 AM		08:36	08:37	08:24	08:33	08:45	08:00	08:04	09:01	08:17	08:03	08:24
8:20 AM		08:36	07:44	08:38	08:15	08:13	08:06	08:11	08:49	08:33	08:00	08:10
8:30 AM		08:31	08:02	07:59	08:11	08:25	08:21	08:42	08:24	07:49	07:52	08:07
8:40 AM		07:49	08:17	08:32	08:04	07:46	08:14	08:17	08:02	07:45	08:13	07:37
8:50 AM		07:52	08:03	08:34	08:07	07:37	08:04	07:55	08:35	08:15	07:36	07:40
9:00 AM		08:04	08:03	08:10	07:54	07:39	08:10	07:47	08:17	09:35	07:55	08:13
9:10 AM		07:40	08:10	08:12	08:45	07:13	08:23	07:39	08:19	08:07	08:25	08:26
9:20 AM		07:27	07:52	08:16	09:07	07:19	08:08	07:30	07:54	08:07	08:05	08:31
9:30 AM		07:41	08:03	07:38	08:13	07:10	08:03	07:24	08:04	07:47	07:55	08:03
9:40 AM		08:08	07:40	08:13	07:25	07:29	08:10	07:45	07:25	07:56	07:35	07:55
9:50 AM		07:39	07:41	07:38	07:56	07:54	07:52	07:43	07:20	08:07	07:46	08:00
10:00 AM		07:39	08:14	08:15	07:28	07:41	07:23	07:25	07:16	07:22	07:15	07:22
10:10 AM		07:21	08:22	08:08	07:44	07:53	06:59	07:35	07:58	07:42	07:54	07:16
10:20 AM		07:14	07:45	07:32	07:31	07:14	07:09	07:50	07:25	07:51	07:44	07:35
10:21 AM								07:27				
10:30 AM		07:27	07:44	07:31	07:33	07:30	07:15	07:27	07:38	07:34	07:27	
10:40 AM		07:42	07:27	07:48	07:34	07:18	07:26	07:39	07:59	07:37	07:51	07:34
10:50 AM		07:58	07:41	08:36	07:28	07:44	07:05	07:31	07:32	07:56	07:59	07:36
11:00 AM		08:00	07:18	07:39	07:51	07:43	06:59	07:21	07:22	07:51	07:53	07:25
11:10 AM		08:04	07:54	07:15	07:29	07:30	07:12	07:36		07:23	07:45	07:47
11:20 AM		07:49	08:16	07:19	07:39	07:06	07:34	07:42	07:16	07:30	07:30	07:14

ROUTE		Camino Ruiz NB										
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		07:13	07:16	07:37	07:24	07:17	07:33		07:15	08:03	07:26	07:21
11:40 AM		08:04	07:12	07:28	07:45	07:37	07:41	07:37	07:26	08:03	07:33	07:23
11:50 AM		07:40	07:09	07:37	08:01	07:49	07:20	07:45	07:43	07:47	07:35	07:42
12:00 PM		07:52	07:32	07:03	08:10	07:30	07:29	07:22	07:57	08:16	07:37	07:40
12:10 PM		07:41	07:21	07:52	07:56	07:51	07:36	07:32	07:41	08:29	07:47	07:31
12:20 PM		07:52	07:40	07:31	07:46	07:27	07:21	07:13	07:45	07:26	07:52	07:29
12:30 PM		08:22	07:41	07:49	08:06	07:29	07:04	07:36	08:02	07:32		07:14
12:40 PM		08:25	07:44	07:55	08:10	07:07	07:10	07:17	07:43	07:29	07:40	07:21
12:50 PM		08:12	07:46	08:33	08:24	07:43	07:50	07:27	07:39	07:22	07:15	07:39
1:00 PM		08:06	08:06	08:58	07:31	07:35	07:42	08:32	07:39	07:27	07:28	07:59
1:10 PM	08:33	07:48	08:12	08:11	08:02	07:45	07:47	07:47	07:45	07:44	07:49	07:56
1:20 PM	08:28	08:01	07:55	07:47	08:42	07:35	08:05	08:00	08:14	08:29		07:44
1:30 PM	08:42	08:11	07:45	08:00	07:54	07:49	08:36	07:37	07:56	08:12	07:58	07:52
1:40 PM	08:03	08:03	08:07	08:00	08:06	08:52	07:36	07:40	07:51	08:33	08:32	07:41
1:50 PM	08:01	08:02	08:11	08:46	08:18	08:54	08:06	07:57	08:04	08:33	08:14	07:34
2:00 PM	08:13	08:09	07:56	07:55	08:14	08:36	08:04	07:53	08:35	08:30	08:11	08:10
2:10 PM	08:13	07:48	08:34	08:12	08:43	08:12	08:07	08:26	08:43	08:22	08:09	08:41
2:20 PM	08:22	08:06	08:25	08:03	09:04	08:46	08:27	08:33	09:04	08:01	07:37	08:12
2:30 PM	08:40	08:31	08:21	08:33	08:44	08:07	08:24	08:30	09:18	08:44		08:39
2:40 PM	08:01	08:27	08:18	08:33	08:58	08:26	08:51	08:48	09:49	09:02	08:15	09:37
2:50 PM	08:06	09:04	08:52	08:50	09:00	08:25	08:50	09:14	09:42	09:03	08:15	08:53
3:00 PM	08:12	09:41	09:02	08:27		08:10	09:36	09:08	09:09	08:57		08:29
3:10 PM	08:43	10:25	09:02	08:55	09:13	08:15	09:55	08:42	09:17	08:36	07:59	08:52
3:20 PM	07:48	09:10	09:21	08:56	09:26	08:22	08:39	08:47	09:17	08:34	08:33	08:50
3:30 PM	08:00	09:58	08:59	08:39	08:33	08:25	08:48	08:33	08:58	08:33	08:34	08:25
3:40 PM	07:57	09:02	08:23	08:23	08:34	08:20	08:49	08:23	08:34	08:23	08:21	08:42
3:50 PM	08:27	09:25	08:32	08:19	08:35	08:13	08:35	08:08	09:04	08:11	08:07	08:31
4:00 PM	08:43	08:56	08:25	08:12	08:17	08:16	08:28	08:33	08:37	08:30	08:55	08:19
4:10 PM	08:30	09:05	08:34	08:27	08:24	08:09	08:25	09:06	09:01	08:57	08:26	08:30
4:20 PM	09:19	08:56	08:43	08:15	08:42	08:07	08:21	08:36	09:17	08:54	08:19	08:52
4:30 PM	08:56	08:40	08:40	08:46	09:09	08:22	08:42	08:40	09:44	09:19	08:42	09:02
4:40 PM	08:38	08:47	09:26	08:05	08:49	08:48	09:01	08:48	09:24	09:15	08:27	09:01
4:41 PM												
4:50 PM	08:27	09:14	09:20	09:20	09:04	08:40	08:55	09:07	09:27	08:55	09:06	08:31
5:00 PM	08:29	09:06	08:35	09:39	08:35	09:38	08:48	09:27	09:06	08:23	09:15	09:41
5:10 PM	08:33	09:06	09:01	09:27	09:43	08:49	09:19	08:50	09:03	08:27	09:45	09:56
5:20 PM	08:41	09:32	09:37	09:10	09:22	09:16	09:07	09:26	08:41	09:14	09:10	09:33
5:30 PM	08:38	09:02	08:46	09:51	09:19	09:27	09:25	08:35	08:58	08:54	09:03	09:39
5:40 PM	09:00	09:38	09:04	08:56	09:46	08:59	09:31	08:50	09:35	10:38	09:16	08:59
5:50 PM	09:02	08:55	09:20	09:15	09:54	08:57	09:18	09:30	08:55	09:26	09:24	09:24
6:00 PM	08:19	08:42	09:00	09:15	09:15	08:48	09:07	09:23	08:58	09:05	09:43	09:32
6:10 PM	08:07	08:50	08:46	09:22	09:37	08:32	08:53	09:08	09:29	09:09	08:24	08:48

ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	07:58	08:13	08:49	08:40	08:30	08:44	08:39	09:30	09:23	09:46	08:53	08:56
6:30 PM	08:26	08:41	08:55	08:36	08:48	08:34	08:31	08:35	09:17	09:29	09:02	08:48
6:40 PM	08:05	08:17	08:24	08:23	08:08	08:06	08:56	08:32	08:47	08:47	08:14	08:12
6:50 PM	07:50	08:02	08:17	08:32	08:27	08:06	07:40	08:07	08:27	07:57	08:03	07:55
7:00 PM	07:43	07:46	08:25	08:28	08:20	07:54	07:43	07:46	08:55	07:59	07:39	07:35
7:10 PM	07:24	07:57	07:47	07:51	08:41	08:11	07:59	07:39	08:26	07:59	07:16	08:13
7:20 PM	07:38	07:47	07:52	07:38	07:33	08:09	07:41	07:23	08:01	07:50	06:58	07:28
7:30 PM	07:35	07:49	07:41	07:44	07:32	07:12	07:28	07:35	07:53	07:57	06:56	08:09
7:40 PM	07:31	08:25	08:11	07:22	07:57	07:03	07:26	07:35	08:11	07:30	07:02	07:26
7:50 PM	07:24	08:50	07:16	07:48	08:16	07:26	07:13	07:22	07:38	08:03	06:56	07:33
8:00 PM	08:00	07:22	07:26	07:47	07:28	07:07	07:34	07:12	07:29	07:37	07:20	07:23
8:10 PM	07:37	07:19	07:14	07:12	07:06	06:50	07:07	06:57	07:29	07:17	07:41	07:39
8:20 PM	07:11	07:40	06:53	06:57	07:32	07:01	07:05	07:12	07:17	07:31	07:34	07:22
8:30 PM	07:03	07:41	07:13	07:05	07:03	07:02	06:55	07:11	07:28	07:08	07:23	07:07
8:40 PM	07:13	07:24	07:29	07:18	07:17	07:02	07:22	06:58	07:34	07:02	07:19	07:32
8:50 PM	07:10	07:42	07:05	07:22	07:13	06:54	07:21	07:03	06:41	07:03	07:29	07:19

	Traction Probe Data Heatmap											
ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:01	07:05	06:28	06:42	06:24	06:45	06:58	06:48	06:17	06:24	06:30	07:08
5:20 AM	07:12	06:43	06:27	06:32	07:03	06:57	06:53	06:49	06:13	06:54	06:55	07:01
5:30 AM	07:01	07:03	06:22	06:45	06:48	06:44	06:51	06:49	06:20	06:49	06:50	07:06
5:40 AM	07:18	07:20	06:52	06:55	07:03	06:51	06:58	07:10	06:51	07:19	06:47	07:23
5:50 AM	07:20	07:16	07:09	06:59	06:47	07:07	07:02	06:57	06:51	07:41	06:59	07:13
6:00 AM			07:18	06:50	06:51	07:07	06:57	06:56	06:43	07:34	07:03	07:14
6:10 AM	07:15	07:21	07:15	06:54	06:53	07:25	06:59	07:01	06:43	07:36	07:15	06:59
6:20 AM	07:14	07:24	07:12	06:51	06:58	07:30	07:09	07:03	06:43	07:30	07:01	07:00
6:30 AM		07:28	07:18	07:05	07:02	07:04	07:08	06:55	06:42	07:43	07:03	07:16
6:40 AM	07:22	07:36	07:26	07:32	07:28	07:09	07:28	07:10	07:00	07:45	06:38	07:09
6:50 AM	07:48	07:36	07:30	07:21	07:29	08:19	07:45	07:26	07:28	07:30	07:50	07:28
7:00 AM	07:32	07:34	07:40	07:18	07:04	07:25	07:51	07:24	07:18	07:53	07:10	07:45
7:10 AM	08:05	08:23	08:27	07:31	07:57	07:39	07:54	07:40	07:12	08:03	07:39	07:50
7:20 AM	08:19	08:15	08:34	08:21	08:04	08:17	08:04	07:36	07:05	08:11	08:16	08:06
7:30 AM	08:25	08:36		08:37	08:12	08:18	08:13	07:52	06:58	08:20	08:09	07:24
7:40 AM	08:37	08:23	08:46	08:27	08:38	08:23	09:13	08:05	07:27	08:01	08:28	08:07
7:50 AM	08:24	09:08	09:56	08:32	09:11	08:30	08:38	07:56	07:22	08:58	08:35	08:11
8:00 AM	08:19	08:35	09:00	08:15	08:33	07:49	08:45	07:51	07:28	08:41	07:52	08:19
8:10 AM	08:30	08:26	08:15	08:09	08:22	08:13	08:42	07:44	07:27	08:24	07:48	08:06
8:20 AM	08:37	08:31	08:19	08:16	09:09	09:05	08:40	07:35	07:30	08:16	07:50	07:52
8:30 AM	08:42		08:40	08:39	08:27			07:49	07:47	07:54	08:21	08:02
8:40 AM	08:30		07:51	08:32	08:00	08:23	08:49	07:41	07:28	07:39	08:33	07:30
8:50 AM	09:17	08:00	08:30	08:16	08:21	07:51	09:11	07:43	07:36	07:46	08:04	07:49
9:00 AM	08:50	08:22	08:28	08:16		07:40	09:20	08:02	07:39	08:21	08:00	07:16
9:10 AM	08:39	08:18	08:10	07:49	08:09	07:35	10:10	08:14	07:28	08:05	08:02	07:36
9:20 AM	08:02	08:02	08:08	08:09	07:38	07:53	08:43	07:59	07:19	08:01	07:53	07:27
9:30 AM	07:39	07:39	07:36	07:52	08:19	07:50	08:42	07:49	07:41	08:18	07:48	07:43
9:40 AM	07:45	07:52	07:25	07:37	07:38	07:45	08:19	08:13	07:24	07:40	07:36	08:11
9:50 AM	07:20	07:42	07:11	07:34	07:37	07:21	08:17	08:09	07:48	07:35	07:18	07:47
10:00 AM	08:08	07:34	07:40	07:50	08:00	07:28	07:45	07:51	07:27	07:32	07:37	07:39
10:10 AM	07:34	07:05	07:45	07:46	07:40	07:39	07:57	07:36	07:49	07:28	07:35	07:42
10:20 AM	07:45	07:22	07:30	07:47	07:32	08:04	07:43	07:33	07:32	07:32	07:40	07:25
10:21 AM							07:17	07:47	07:28	07:21	07:34	07:38
10:30 AM	07:33	07:46	07:40	07:52	07:12	07:16	08:08	07:29	07:33	07:33	07:42	07:27
10:40 AM	07:46	07:38	07:52	07:36	07:17	07:39	07:40	07:17	07:31	07:36	08:07	07:46
10:50 AM	07:47	07:17	07:55	07:19	07:22	07:42	08:08	07:14	06:56	07:33	07:50	07:20
11:00 AM	07:46	07:10	07:52	07:45		07:48	08:00	07:19	07:24	07:28	07:43	07:22
11:10 AM	07:39	07:09	07:46	07:42	07:09	07:58	08:09	07:19	07:45	07:41	07:19	07:35
11:20 AM	08:20	07:01	08:03	07:16	07:14	07:32	08:02	07:35	07:44	07:35	07:19	07:26



ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	07:22	07:18	08:10	07:17	07:08	07:58	07:44	07:43	07:42	07:38	07:20	07:48
11:40 AM	07:17	07:37	07:17	07:34	07:18	07:53	07:44	08:11	07:39	07:35	07:24	07:32
11:50 AM	07:22	07:43	08:03	07:17	07:23	07:42	07:37	07:23	07:17	07:55	07:27	07:18
12:00 PM	07:33		07:46	07:14	07:42	07:42	07:42	07:31	07:31	07:15	07:29	07:42
12:10 PM	07:50	07:34	07:59	07:34	08:10	08:03	07:31	07:21	07:47	07:52	07:40	07:42
12:20 PM	07:29	07:43	07:36	07:43	07:50	07:29		07:32	07:10	07:30	07:45	07:43
12:30 PM	07:27	07:30	07:52	07:54	08:03	07:49	07:58	07:50	08:14	07:46	07:59	07:41
12:40 PM	07:56	08:03	07:38	08:20	07:42	07:54	08:02	07:23	07:36	07:43	07:31	07:43
12:50 PM	07:49	08:03	07:56	07:43	07:22	07:41	07:41	07:29	07:30	07:48	07:24	07:22
1:00 PM	07:40	07:38	07:50	08:25	07:47	07:54	07:49	07:41	07:41	07:52	07:25	07:32
1:10 PM	07:51	07:34	07:34	08:20	07:42	07:50	08:01	07:37	07:29	07:34	07:55	07:44
1:20 PM	07:30	07:45	07:52	08:30	07:46	07:57	07:55	07:38	08:03	07:30	07:44	07:42
1:30 PM	07:37	08:19	08:00	07:53	08:03	07:48	08:21	07:42	07:45	08:06	07:47	08:04
1:40 PM	07:52	07:57	07:57	08:10	07:35	07:23	08:15	08:29	07:50	08:01	07:31	07:58
1:50 PM	07:48	07:57	08:24	08:24	07:54	07:49	08:01	08:35	08:05	07:46	07:37	08:13
2:00 PM	07:59	07:42	08:03	08:14	07:34	08:10	08:33	08:06	07:31	08:30	08:05	08:29
2:10 PM	07:56	08:01	08:19	08:24	07:59	08:01	08:23	08:08	08:06	08:41	08:00	08:38
2:20 PM	07:53	08:15	08:27	08:06	08:13	08:27	08:39	08:17	08:07	08:08	08:57	07:53
2:30 PM	08:26	07:46	08:38	07:56	08:18	08:43	09:13	08:34	07:51	08:17	08:41	09:03
2:40 PM	08:57	08:28	09:11	08:09	08:40	08:38	09:32	08:04	08:02	08:59	09:02	08:29
2:50 PM	08:46	09:16	09:23	08:24	09:01	09:22	09:31	08:09	07:39	09:22	08:48	08:46
3:00 PM	08:36			08:20	09:23	09:04	09:06	08:16	07:47	09:11	08:32	08:44
3:10 PM	09:04	08:28	08:55	08:17	08:54	09:26	08:48	08:36	07:50	08:42	08:42	08:48
3:20 PM	08:27	08:32	09:09	08:33	08:56	09:13	08:47	08:42	08:14	08:12	08:27	09:00
3:30 PM	08:12	08:41	08:50	08:12	08:34	09:33	08:50	07:45	08:01	08:48	07:49	08:48
3:40 PM	08:41	08:26	08:57	08:18	08:24	09:11	08:14	07:50	07:37	08:16	07:59	08:22
3:50 PM	09:06	08:20	08:29	08:06	08:36	08:51	08:45	08:07	07:22	08:12	08:02	08:28
4:00 PM	08:57	08:17	09:56	08:17	08:38	08:32	08:13	07:48	08:11	07:59	07:59	07:54
4:10 PM	08:19	08:31	09:40	08:31	09:00	08:37	09:25	08:35	08:23	08:43	07:54	08:37
4:20 PM	08:14	09:37	09:21	08:41	08:58	08:44		08:13	08:09	08:27	08:20	08:01
4:30 PM	08:55	09:00	08:57	08:48	09:14	08:23	08:22	08:10	08:06	08:55	08:20	08:27
4:40 PM	08:20	08:10	09:19	09:04	08:52	09:18	08:08	08:07	08:02	09:07	08:24	08:57
4:41 PM	08:40						08:28	08:45	08:28	08:42	09:31	08:28
4:50 PM	08:26	08:43	09:18	08:57	09:20	09:15	08:34	08:44	07:56	08:51	08:36	08:34
5:00 PM	09:26	08:45	09:35	08:50	08:48		08:39	08:26	08:12	08:37	08:27	07:52
5:10 PM	08:36	10:09	08:51	09:04	08:58	09:11	08:50	09:10	08:26	09:02	08:34	09:28
5:20 PM	08:53	09:14	09:42	09:28	09:40	09:23	08:51	08:42	09:03	08:49	08:14	09:24
5:30 PM	09:19	09:16	09:06	09:14	09:34	09:07	09:09	08:28	08:14	08:57	08:36	09:00
5:40 PM	08:30	09:16	09:26	09:16	10:08	09:08	08:18	08:23	08:34	08:41	08:00	08:59
5:50 PM	09:05	08:39	10:04	08:34	08:44	09:45	07:42	08:38	08:25	08:38	08:35	08:12
6:00 PM	08:39	09:45	08:54	08:26	08:35	09:22	08:05	08:54	08:24	09:07	08:32	08:37
6:10 PM	08:50	09:32	09:02	08:29	08:59	09:39	08:25	08:03	08:33	08:56	08:53	07:58

ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	08:34	08:39	09:01	08:34	08:23	09:12	08:31	08:34	07:59	08:13	08:05	07:57
6:30 PM	08:48	08:33	08:46	08:13	08:37	09:50	08:00	07:48	07:34	08:05	08:16	08:00
6:40 PM	08:26	08:25	08:27	08:05	08:25	09:03	08:06	07:47	07:18	08:06	08:00	07:18
6:50 PM	08:10	08:13	08:02	08:36	08:51	08:34	07:35	07:18	07:50	07:56	08:10	07:52
7:00 PM	07:56	08:14	08:09	07:54	07:20	08:30	07:44	07:23	07:24	07:31	08:31	07:35
7:10 PM	07:53	08:02	08:03	07:56	07:53	08:03	07:39	07:40	07:16	07:42	08:01	07:41
7:20 PM	07:37	07:46	08:16	07:21	08:27	08:23	07:25	07:07	07:01	07:27	07:33	07:55
7:30 PM	07:18	07:50	08:26	07:07	07:37	08:06	07:42	07:35	06:53	07:16	07:36	07:36
7:40 PM	07:50	07:38	07:47	07:09	07:39	08:01	07:30	07:45	07:13	07:33	07:33	07:28
7:50 PM	07:31	07:42	07:40	07:05	07:34	07:24	07:08	07:33	07:13	07:05	07:23	07:51
8:00 PM	07:17	07:28	08:23	07:14	07:19	07:15	07:36	07:51	07:19	06:40	07:01	07:02
8:10 PM	07:23	06:58	07:53	07:15	07:03	07:07	07:35	07:30	07:01	06:53	07:13	06:56
8:20 PM	07:13	06:55	07:37	07:15	07:33	07:44	07:16	07:14	07:22	06:50	07:12	06:38
8:30 PM	07:10	06:52	07:19	07:16	07:18	07:24	07:40	07:21	06:43	07:15	07:16	06:53
8:40 PM	07:04	07:35	06:56	07:09	07:12	07:25						
8:50 PM	07:11	07:19	06:54	06:58	07:07	07:19						

Traction Probe Data Heatmap

ROUTE												
Camino Ruiz SB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		06:53	06:21	06:52	06:51	06:52	06:39	06:34	06:49	07:18	06:48	07:00
5:20 AM		06:56	06:29	06:57	06:43	06:40	06:56	06:53	06:53	07:18	06:38	07:20
5:30 AM		07:04	06:51	07:04	07:05	06:31	07:03	06:41	07:12	07:14	06:50	07:30
5:40 AM		07:15	07:07	07:31	07:13	06:56	07:08	07:05	07:17	07:38	07:14	07:47
5:50 AM		07:15	07:26	07:39	07:05	07:06	06:56	07:12	07:38	07:38	07:11	07:40
6:00 AM		07:49	07:42	07:43	07:19	07:02	07:02	07:30	07:35	07:58	07:26	07:40
6:10 AM		07:57	07:44	07:41	07:25	07:07	07:19	07:53	07:48	07:31	07:54	07:49
6:20 AM		08:00	07:55	07:29	07:40	07:06	07:35	08:05	07:45	07:44	07:47	07:57
6:30 AM		08:01	07:50	07:42	07:35	07:21	07:57	08:14	07:41	07:41	08:20	07:55
6:40 AM		08:12	07:38	07:47	07:29	07:34	08:07	07:53	07:45	07:52	08:00	08:15
6:50 AM		08:03	08:04	08:30	07:44	07:39	07:41	08:12	07:57	08:00	08:10	08:01
7:00 AM		08:41	08:19	08:09	08:01	08:06	08:12	08:37	07:48	08:21	08:00	08:08
7:10 AM		07:54	08:55	08:42	08:28	08:16	08:36	09:03	08:24	08:06	07:57	08:47
7:20 AM		08:37	08:55	09:15	08:46	08:51	09:52	08:55	08:52	08:54	08:44	09:20
7:30 AM		09:43	09:23	09:33	09:02	09:47	09:18	08:51	09:23	08:58	09:04	09:55
7:40 AM		09:25	10:03	09:30	09:24	08:51	08:57	09:05	09:17	09:43	08:55	09:52
7:50 AM		09:42	10:11	09:45	09:54	10:10	10:02	09:13	09:19	10:23	09:24	09:37
8:00 AM		09:46	09:38	09:37	09:29	09:28	10:00	09:44	09:42	09:22	10:41	08:55
8:10 AM		09:30	09:10	08:39	08:53	09:03	08:56	08:54	08:40	08:42	09:17	08:30
8:20 AM		09:11	08:41	09:01	08:42	09:13	08:58	08:56	09:08	08:43	09:13	08:36
8:30 AM		08:14	09:08	08:47	08:19	08:47	09:09	08:50	08:33	08:52	08:45	08:58
8:40 AM		08:23	08:44	08:27	09:06	08:57	09:13	08:22	08:28	08:54	08:54	08:44
8:50 AM		08:09	08:40	08:38	08:47	08:41	08:49	08:25	08:45	09:11	08:28	08:39
9:00 AM		08:13	08:20	08:38	08:40	08:36	08:30	08:11	08:28	08:40	08:29	08:36
9:10 AM		08:13	08:24	07:58	08:56	08:09	08:59	08:45	08:17	08:50	08:40	08:55
9:20 AM		08:22	08:24	08:22	09:08	08:22	09:22	08:37	08:43	09:04	08:33	08:43
9:30 AM		08:11	08:34	08:04	08:31	08:21	09:27	08:37	08:54	08:49	08:20	09:19
9:40 AM		08:30	08:30	08:45	08:27	08:11	08:36	08:28	08:38	08:38	08:31	08:53
9:50 AM		08:24	08:40	08:21	08:07	08:42	08:18	07:53	08:08	08:07	08:46	08:57
10:00 AM		08:35	08:05	07:58	08:51	08:52	07:57	08:04	08:12	08:24	08:46	08:51
10:10 AM		08:16	08:11	08:35	08:11	08:24	08:08	07:42	08:08	08:24	08:43	08:35
10:20 AM		08:04	08:06	09:10	08:18	08:35	08:38	07:55	08:36	08:44	08:13	08:15
10:21 AM								07:49				
10:30 AM		08:16	08:33	08:39	08:38	08:36	08:34	07:44	08:32	08:30	08:10	08:13
10:40 AM		08:25	08:10	08:48	08:40	08:37	08:48	08:13	08:58	09:32	07:57	08:14
10:50 AM		08:26	08:06	08:22	08:40	08:19	08:48	08:26	09:09	09:37	08:25	08:19
11:00 AM		08:47	08:29	08:37	08:15	08:28	08:52	08:11	09:18	09:09	08:14	08:14
11:10 AM		08:26	08:10	08:04	08:43	08:56	08:52	07:54		08:57	08:03	07:43
11:20 AM		08:52	07:36	08:08	08:34	08:39	08:49	07:33	08:23	08:45	08:18	08:58

ROUTE	Camino Ruiz SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:37	08:03	08:29	08:18	07:46	08:51	07:32	08:39	08:11	08:16	08:33
11:40 AM		08:31	08:37	07:42	08:24	07:43	08:15	08:39	08:44	08:18	08:47	08:23
11:50 AM		08:19	08:12	08:00	08:35	08:24	08:18	08:36	08:50	08:36	08:29	08:24
12:00 PM		08:20	08:17	08:11	08:25	08:18	08:35	08:46	08:49	09:03	08:26	08:08
12:10 PM		08:13	08:34	08:10	09:00	08:31	08:39	08:37	08:22	08:50	08:16	08:12
12:20 PM		07:57	08:44	08:12	08:57	07:59	08:22	08:49	08:34	08:26	08:32	08:06
12:30 PM		08:06	08:59	08:43	08:44	08:03	08:40	08:47	09:03	08:42	08:55	08:14
12:40 PM		07:56	08:39	08:11	08:33	08:07	08:17	08:25	08:46	08:47	09:05	08:29
12:50 PM		08:23	08:49	08:48	08:53	08:11	08:22	09:00	08:11	09:33	09:51	08:36
1:00 PM		08:19	08:49	08:22	09:03	08:01	08:47	09:24	08:42	08:47	09:45	08:11
1:10 PM	07:57	08:34	08:44	08:25	08:29	08:05	09:00	09:05	08:20	09:14	09:07	08:44
1:20 PM	08:04	08:31	08:39	09:11	08:38	07:54	08:30	08:52	08:41	08:58		09:08
1:30 PM	08:36	08:33	08:25	09:07	08:39	08:13	08:56	08:48	08:27	08:46	08:44	09:01
1:40 PM	08:31	08:42	08:31	09:01	08:33	08:55	08:22	08:24	08:35	08:43	08:57	08:54
1:50 PM	08:59	08:42	08:13	08:58	08:48	09:10	08:20	08:38	09:09	08:47	08:49	08:50
2:00 PM	08:37	09:17	09:01	08:58	09:26	09:10	08:35	08:47	08:59	09:13	09:17	08:21
2:10 PM	08:49	09:11	08:42	08:55	08:46	08:55	08:56	09:20	09:09	09:21	09:23	09:14
2:20 PM	08:44	09:36	09:01	08:37	09:23	09:20	09:28	09:39	09:23	09:59	08:53	09:42
2:30 PM	08:42	09:43	09:02	08:32	10:14	09:30	09:50	09:34	10:50	10:08	09:37	10:11
2:40 PM	08:46	10:06	08:58	09:02	10:39	09:15	09:57	10:03	10:26	10:46	09:13	10:10
2:50 PM	08:51	10:02	09:36	09:48	10:37	09:05	10:32	09:56	12:22	11:05	09:34	10:00
3:00 PM	08:30	09:27	10:07	09:02	10:22	09:01	09:58	09:32	11:43	10:47	09:18	09:35
3:10 PM	08:34	09:27	09:14	09:14	09:43	09:12	09:18	09:21	12:04	10:47	09:13	09:01
3:20 PM	08:44	09:46	09:25	09:11	09:30	08:48	09:26	09:18	12:35	09:48	09:54	08:38
3:30 PM	08:07	09:55	09:04	08:45	09:21	09:05	09:29	09:05	13:00	09:39	09:06	08:51
3:40 PM	08:48	09:42	08:49	08:57	09:27	08:35	09:41	08:33	14:56	10:06	09:51	08:51
3:50 PM	08:40	09:07	09:07	09:27	10:21	08:54	09:08	08:45	14:06	09:20	08:57	09:02
4:00 PM	08:36	10:02	10:20	10:00	10:06	09:24	09:22	09:51	12:18	08:53	08:34	09:42
4:10 PM	08:07	10:09	10:33	09:21	10:25	09:03	09:42	08:42	14:06	09:26	09:49	10:06
4:20 PM	08:33	10:06	09:30	09:24	09:44	08:42	11:04	09:38	14:20	09:31	10:35	09:33
4:30 PM	08:49	10:07	09:29	09:25	09:38	08:55	09:57	08:23	15:34	09:41	09:13	09:58
4:40 PM	09:17	10:03	09:38	09:38	09:44	08:50	10:08	09:59	16:13	09:41	08:58	08:34
4:41 PM												
4:50 PM	08:45	10:00	10:58	10:19	10:31	08:56	11:36	11:06	14:02	10:05	09:23	08:45
5:00 PM	09:04	10:20	11:08	10:05	10:41	08:42	12:48	10:14	14:41	09:44	09:39	08:41
5:10 PM	08:56	10:39	10:17	09:40	10:54	08:42	12:28	11:23	16:38	09:51	09:30	09:52
5:20 PM	08:45	10:57	10:38	10:04	10:25	09:14	11:19	10:00	16:14	09:38	09:31	10:00
5:30 PM	08:28	09:58	10:54	11:23	10:11	09:23	09:52	10:52	16:06	09:43	09:47	10:33
5:40 PM	09:08	10:16	10:58	10:05	12:22	08:59	10:00	10:41	13:39	09:24	09:33	09:37
5:50 PM	08:31	10:57	10:39	09:42	13:31	09:03	10:22	10:41	11:49	09:37	09:40	09:26
6:00 PM	08:47	09:13	09:52	09:42	10:22	08:55	10:38	10:19	13:52	09:14	09:22	09:07
6:10 PM	09:01	09:27	11:07	09:04	10:01	09:17	10:16	09:57	12:18	09:25	09:42	09:13



ROUTE	Camino Ruiz SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	08:06	08:45	10:06	08:58	09:20	09:03	10:10	08:47	15:19	08:54	08:53	09:18
6:30 PM	08:08	09:00	08:51	08:28	08:41	08:44	08:50	09:05	13:18	09:04	09:08	08:52
6:40 PM	08:20	08:54	08:55	09:42	09:01	08:55	08:31	08:56	12:33	08:49	09:21	09:53
6:50 PM	08:05	08:45	08:47	09:34	08:45	08:45	08:39	08:42	10:38	08:30	09:03	08:36
7:00 PM	08:29	08:57	08:13	09:25	08:52	08:43	08:41	08:20	09:50	08:52	09:01	08:28
7:10 PM	08:07	08:41	08:31	09:07	08:34	08:45	08:17	08:22	09:01	08:42	08:31	08:09
7:20 PM	07:55	08:46	08:01	09:01	08:37	08:20	08:28	08:39	08:31	08:43	08:25	08:07
7:30 PM	08:14	08:36	08:06	08:14	08:19	08:06	08:30	07:51	08:27	08:37	08:59	08:02
7:40 PM	07:53	08:14	08:01	07:56	08:13	08:09	07:57	07:47	08:05	08:16	08:30	07:45
7:50 PM	07:34	08:10	07:53	08:02	08:22	07:53	07:49	07:46	08:27	07:48	08:32	07:51
8:00 PM	07:37	07:46	07:39	08:09	08:18	07:55	07:55	08:06	08:09	07:53	08:24	07:48
8:10 PM	07:48	07:53	07:29	08:21	08:08	07:51	07:59	07:59	08:12	07:51	08:01	07:59
8:20 PM	07:32	08:20	07:31	08:24	08:11	07:38	08:08	08:22	08:16	07:57	07:48	07:56
8:30 PM	07:49	08:22	07:36	08:13	07:41	07:41	07:56	08:03	08:12	08:04	07:50	08:07
8:40 PM	07:44	07:40	07:47	07:34	08:10	07:36	07:35	08:04	08:00	08:04	07:54	07:42
8:50 PM	07:39	07:36	08:02	07:42	07:57	07:24	07:19	07:29	07:56	07:45	08:01	07:32

Traction Probe Data Heatmap												
ROUTE	Camino Ruiz SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	06:39	06:29	06:50	07:03	06:44	06:52	07:09	07:13	07:43	06:58	06:34	06:51
5:20 AM	06:47	06:35	06:46	06:42	06:58	06:57	07:28	07:19	07:45	06:55	06:44	07:06
5:30 AM	06:55	06:47	06:49	06:49	07:08	06:49	07:36	07:09	07:30	07:13	06:54	07:18
5:40 AM	07:19	07:08	06:52	07:14	07:23	07:04	07:16	07:26	07:34	07:39	07:09	07:34
5:50 AM	07:30	07:15	06:57	07:11	07:39	07:26	07:30	07:34	06:59	07:44	07:32	07:27
6:00 AM	07:43	07:16	07:21	07:09	07:42	07:36	07:19	07:33	06:53	07:48	07:35	07:19
6:10 AM	07:24	07:32	07:29	07:26	07:41	07:39	07:31	07:31	07:02	08:00	07:22	07:29
6:20 AM	07:43	07:33	07:38	07:29	07:40	07:12	07:33	07:40	06:49	07:44	07:43	07:46
6:30 AM		08:01	07:27	07:32	07:36	07:31	07:44	07:49	06:51	07:37	07:53	07:37
6:40 AM	08:05	08:19	07:44	07:25	07:31	07:19	07:40	07:44	07:04	07:44	07:56	07:43
6:50 AM	07:50	08:05	07:47	07:43	07:45	07:35	08:24	07:52	07:10	08:06	08:12	07:35
7:00 AM	08:35	08:20	08:27	07:56	07:52	07:37	08:31	07:39	07:38	07:49	08:07	07:51
7:10 AM	08:42	08:17	08:05	08:14	08:44	08:10	09:30	07:54	07:26	08:15	08:25	08:39
7:20 AM	09:08	09:35	09:55	09:20	09:13	09:03	10:15	07:48	07:42	09:06	09:57	09:30
7:30 AM	09:25	09:17	08:56	09:17	09:33	09:24	10:11	08:19	08:14	09:02	09:29	09:31
7:40 AM	09:03	10:03	08:52	09:00	09:08	09:01	10:01	08:15	08:06	09:10	09:02	09:43
7:50 AM	09:56	09:57	09:17	09:33	10:17	08:51	10:30	09:33	08:04	09:16	09:23	09:44
8:00 AM	09:39	09:57	10:09	09:24	09:31	09:03	09:25	08:54	08:26	08:54	09:43	09:45
8:10 AM	08:36	09:09	09:05	09:07	09:18	09:15	09:35	08:31	08:27	08:36	08:54	08:53
8:20 AM	08:58	08:10	08:43	09:00	09:13	08:41	09:09	08:27	08:00	08:45	08:39	09:05
8:30 AM	09:06	08:26	08:41	08:45	08:43	08:30	09:04	08:49	07:54	08:41	08:18	08:50
8:40 AM	09:01		08:39	08:58	08:38	08:42	09:30	08:17	07:50	07:58	08:36	08:35
8:50 AM	09:08	09:04	08:53	08:28	08:30	08:30	09:20	08:39	07:55	08:42	08:44	08:38
9:00 AM	08:44	08:44	08:34	08:41	08:34	08:29	09:50	08:36	08:08	08:56	08:54	08:53
9:10 AM	08:32	08:39	08:31	09:06	08:18	08:35	09:51	08:30	07:58	08:40	08:56	07:53
9:20 AM	09:14	08:48	08:23	08:54	08:25	08:24	09:32	08:31	08:08	08:26	08:50	08:22
9:30 AM	08:34	08:26	08:45	08:59	08:40	08:33	09:27	08:40	07:44	08:13	08:53	08:29
9:40 AM	08:36	08:25	08:42	08:30	08:36	08:34	09:51	08:46	08:48	08:30	08:22	08:44
9:50 AM	08:38	08:47	08:15	08:24	08:40	08:22	09:23	08:43	08:38	08:24	08:41	08:24
10:00 AM	08:27	08:15	08:13	08:15	08:52	09:16	08:53	08:16	08:21	08:20	08:18	08:37
10:10 AM	08:24	07:56	08:31	08:20	08:52	08:49	08:45	08:15	08:35	08:21	08:28	08:24
10:20 AM	08:36	07:57	08:02	08:17	08:27	08:39	08:49	08:27	08:52	08:23	08:43	08:56
10:21 AM							08:42	09:05	08:11	08:25	08:22	08:14
10:30 AM	08:16	08:21	08:45	08:18	08:23	08:22	08:45	08:55	08:17	08:08	08:00	08:17
10:40 AM	08:19	08:27	08:30	08:40	08:36	08:21	08:43	08:41	08:14	08:34	08:11	08:15
10:50 AM	08:14	08:19	08:23	08:52	08:41	08:29	08:13	08:57	08:39	08:09	08:29	08:31
11:00 AM	08:59	08:35	08:37	08:31		08:22	08:17	08:42	08:59	08:17	08:04	08:48
11:10 AM	08:51	08:52	08:38	08:35	08:28	08:12	08:07	08:24	08:36	08:20	08:02	08:30
11:20 AM	08:41	08:21	08:31	08:36	08:35	08:15	08:21	08:19	09:22	08:27	08:15	08:20

ROUTE	Camino Ruiz SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:13	08:27	08:26	08:14	08:27	08:27	08:51	08:35	08:31	08:26	09:09	08:30
11:40 AM	08:08	07:55	08:47	08:04	08:30	08:07	09:14	08:53	08:29	08:40	08:19	07:51
11:50 AM	08:08	08:12	08:42	08:03	08:47	08:18	09:00	08:33	08:38	08:56	08:22	08:23
12:00 PM	08:14	08:00	08:43	08:08	08:53	08:17	08:17	08:25	08:29	08:37	08:17	08:22
12:10 PM	08:36	08:18	08:55	08:15	08:44	08:02	08:44	08:51	08:28	08:32	08:52	08:18
12:20 PM	08:16	08:35	08:05	08:22	08:59	08:24	08:50	08:45	08:14	08:13	08:21	08:28
12:30 PM	08:47	08:43	08:30	08:44	08:19	08:13	08:51	09:07	07:50	08:22	08:05	08:23
12:40 PM	08:54	08:21	08:13	08:30	08:07	08:09	08:56	08:56	08:04	08:02	08:54	08:19
12:50 PM	08:28	08:58	08:10	08:57	08:31	08:33	08:48	08:56	08:10	08:23	08:49	08:16
1:00 PM	08:54	08:26	08:36	08:28	08:28	09:00	09:03	08:50	08:41	08:39	08:45	08:30
1:10 PM	08:40	08:34	09:11	09:13	08:58	09:38	09:11	08:47	09:10	08:36	08:47	08:37
1:20 PM	08:32	08:38	08:36	09:22	09:16	09:10	09:00	08:59	08:47	08:32	08:28	08:41
1:30 PM	08:38	08:12	08:48	09:00	09:20	09:25	09:07	09:35	08:34	08:42	08:30	08:30
1:40 PM	09:16	08:17	09:02	09:15	08:41	08:49	08:55	09:06	08:55	08:41	08:26	08:52
1:50 PM	08:53	08:42	09:09	09:26	08:41	09:02	09:13	08:56	08:36	09:03	08:37	08:41
2:00 PM	08:38	08:52	08:32	08:52	08:31	08:57	09:00	09:25	09:13	09:26	08:42	08:42
2:10 PM	08:42	08:44	08:58	09:21	08:58	09:19	09:10	09:44	08:53	09:03	09:40	08:57
2:20 PM	08:50	08:57	09:37	08:58	09:30	09:45	09:47	09:36	08:39	09:25	10:11	09:18
2:30 PM	09:00	09:12	10:26	09:22	09:31	10:13	10:22	10:18	08:49	10:09	10:09	10:06
2:40 PM	09:42	09:01	10:36	09:41	09:44	09:50	11:24	09:33	09:21	09:55	10:18	10:09
2:50 PM	09:07	09:18	11:18	10:07	09:31	11:22	10:29	09:41	08:50	09:32	10:58	09:52
3:00 PM	09:38	09:12	10:51	09:29	09:17	11:11	10:11	09:09	08:33	09:25	09:35	09:43
3:10 PM	09:11	09:19	10:07	08:51	09:45	12:17	09:38	09:37	08:44	09:06	09:27	09:12
3:20 PM	09:13	09:02	11:15	08:28	09:10	12:56	10:23	09:41	08:36	08:32	09:20	09:08
3:30 PM	08:36	09:06	10:30	08:45	09:24	13:11	09:01	09:29	08:48	08:54	09:40	09:09
3:40 PM	08:45	09:41	10:10	08:23	08:53	10:56	08:45	09:23	08:43	08:57	09:47	09:27
3:50 PM	08:56	09:37	10:07	08:34	09:20	11:50	08:52	08:50	08:28	08:55	10:19	08:39
4:00 PM	08:55	08:57	10:06	09:21	09:03	14:56	08:40	08:58	08:40	08:42	09:57	09:00
4:10 PM	08:51	09:26	09:38	09:24	09:29	14:02	08:55	08:54	08:45	08:42	09:38	09:26
4:20 PM	08:52	10:09	10:52	10:02	11:31	15:29	08:55	08:34	09:00	08:59	10:04	09:03
4:30 PM	09:33	10:12	10:58	09:49	11:28	12:11	08:38	08:47	08:59	09:56	10:34	09:45
4:40 PM	10:02	10:53	12:11	09:25	10:00	16:06	08:43	08:35	08:37	12:30	11:19	09:22
4:41 PM	10:24						08:47	08:41	08:55	10:46	09:56	09:49
4:50 PM	10:05	11:44	12:58	09:26	10:49	16:28	09:26	08:53	09:14	09:52	10:10	09:10
5:00 PM	09:48	09:42	11:01	10:01	10:07	16:06	09:41	08:58	08:50	10:39	11:22	09:13
5:10 PM	09:47	10:06	10:54	10:25	10:58	13:23	09:02	09:14	08:33	10:56	11:42	09:51
5:20 PM	10:39	10:36	11:37	11:03	10:57	12:06	08:57	09:07	08:42	10:23	09:41	10:02
5:30 PM	10:26	11:29	11:07	11:06	11:04	11:51	08:47	08:48	08:44	10:10	09:20	09:14
5:40 PM	10:57	10:48	10:18	11:08	10:50	11:26	08:45	08:59	08:02	10:17	08:53	08:53
5:50 PM	09:58	10:28	09:57	09:46	11:47	13:48	08:52	08:20	08:45	09:02	09:05	09:02
6:00 PM	10:45	11:00	09:42	09:27	10:00	15:22	08:06	08:41	08:21	09:05	08:53	09:01
6:10 PM	09:44	10:45	09:22	09:28	09:16	14:00	08:11	09:08	08:19	08:30	08:32	08:14

ROUTE	Camino Ruiz SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	09:03	10:00	08:42	09:06	09:33	13:04	08:52	08:44	08:24	09:17	08:42	08:50
6:30 PM	08:47	09:55	08:59	08:40	08:52	12:05	09:05	08:55	08:21	08:34	08:26	08:19
6:40 PM	09:21	09:10	09:07	08:48	08:54	11:14	08:14	08:45	08:31	08:24	08:35	08:16
6:50 PM	08:47	09:13	08:43	08:39	08:17	12:23	08:09	08:36	09:06	08:26	08:06	08:09
7:00 PM	08:25	08:27	08:29	08:45	08:03	09:59	08:17	08:21	08:29	08:28	08:15	08:05
7:10 PM	08:42	08:30	08:18	08:54	08:11	09:49	08:15	08:17	08:03	08:09	08:01	08:05
7:20 PM	08:55	08:31	08:38	09:25	08:04	08:36	08:18	07:53	08:06	07:59	08:15	07:59
7:30 PM	08:38	08:16	08:22	08:46	07:42	08:14	08:21	07:47	08:18	07:40	08:05	08:05
7:40 PM	08:11	08:25	08:32	08:39	07:46	08:30	08:09	07:38	08:00	07:47	08:18	08:09
7:50 PM	07:48	08:07	08:25	08:09	07:25	07:51	08:19	08:28	07:45	07:44	07:55	07:51
8:00 PM	07:39	08:05	08:23	08:23	07:41	08:14	07:56	07:51	07:36	07:52	07:39	07:41
8:10 PM	07:45	07:59	08:19	08:38	07:45	08:10	08:12	07:59	07:36	07:46	08:00	07:41
8:20 PM	07:45	07:55	08:10	07:42	07:20	08:40	08:08	07:41	07:40	07:26	07:40	07:36
8:30 PM	07:45	07:28	07:50	07:43	07:27	07:51	07:52	07:30	07:41	07:30	07:39	07:41
8:40 PM	07:41	07:35	08:25	07:29	07:16	07:51						
8:50 PM	07:32	07:36	08:32	07:20	07:15	07:40						

Traction Probe Data Heatmap

ROUTE												
Camino Santa Fe NB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		06:09	05:51	06:16	06:13	06:00	06:00	05:56	06:09	05:56	05:53	06:15
5:20 AM		06:15	05:53	06:27	06:20	06:03	06:06	05:56	06:11	05:58	06:01	06:19
5:30 AM		06:19	05:50	06:22	06:20	06:05	06:08	06:04	06:07	05:59	06:00	06:17
5:40 AM		06:43	06:06	06:15	06:19	06:23	06:12	06:12	06:08	06:23	05:59	06:20
5:50 AM		06:46	05:54	06:09	06:28	06:16	06:22	06:24	06:08	06:48	06:19	06:26
6:00 AM		06:45	06:12	06:06	06:44	06:25	06:27	06:30	06:07	06:40	06:11	06:34
6:10 AM		06:31	06:10	06:09	06:35	06:10	06:14	06:25	06:10	06:39	05:56	06:22
6:20 AM		06:14	06:20	06:15	06:48	06:05	06:20	06:31	06:19	06:14	05:59	06:20
6:30 AM		06:26	06:20	06:12	06:46	05:55	06:14	06:40	06:57	06:19	06:14	06:46
6:40 AM		06:19	06:20	06:22	06:33	05:52	06:44	06:12	07:01	06:11	06:18	06:51
6:50 AM		06:05	06:13	06:18	06:30	06:18	06:31	06:09	06:43	06:26	06:25	06:49
7:00 AM		06:32	06:14	06:20	06:15	06:00	06:35	06:18	06:47	06:33	06:46	06:52
7:10 AM		06:29	06:18	06:41	06:11	06:13	06:24	06:22	06:57	06:48	06:35	06:41
7:20 AM		06:49	06:34	06:48	06:18	06:18	06:32	06:43	06:43	06:26	06:26	06:31
7:30 AM		07:03	06:40	07:06	06:16	06:32	06:33	06:44	06:17	06:32	06:11	06:16
7:40 AM		06:36	06:46	07:12	06:17	06:31	06:39	06:24	06:41	06:37	06:20	06:47
7:50 AM		06:40	06:29	06:42	06:25	06:29	07:03	06:37	06:29	06:26	06:42	06:45
8:00 AM		06:45	06:36	07:01	06:37	06:31	06:43	06:48	06:45	06:36	06:46	07:11
8:10 AM		06:43	06:44	06:46	06:53	06:36	06:53	07:00	06:56	06:30	06:55	06:58
8:20 AM		06:44	07:20	07:07	06:48	07:18	06:38	06:15	06:41	06:37	07:05	07:10
8:30 AM		06:42	06:56	06:41	07:01	06:59	06:43	06:26	06:42	06:27	06:52	07:26
8:40 AM		07:16	06:52	06:52	06:59	06:53	06:48	06:42	06:32	06:26	07:01	06:28
8:50 AM		07:09	06:58	06:56	06:58	06:45	06:43	06:35	06:23	06:48	06:53	06:48
9:00 AM		07:20	06:37	07:00	07:06	06:43	06:54	07:03	06:42	07:02	07:13	06:55
9:10 AM		06:34	06:27	06:35	06:50	06:54	07:39	06:37	06:46	06:25	07:29	07:05
9:20 AM		07:12	06:47	06:32	06:47	06:26	07:00	06:45	06:22	06:31	06:55	07:08
9:30 AM		06:49	06:44	06:35	06:53	06:44	06:58	06:45	06:32	06:46	06:59	07:01
9:40 AM		06:45	06:54	06:40	06:41	06:44	06:47	06:39	06:26	06:21	06:44	07:00
9:50 AM		06:58	06:56	06:44	06:53	06:41	07:15	06:40	06:31	06:28	06:37	07:05
10:00 AM		06:45	07:14	06:33	06:38	06:53	06:22	06:21	06:39	06:13	06:23	06:22
10:10 AM		06:18	06:38	06:50	06:38	06:44	06:33	06:17	06:12	06:24	06:35	06:50
10:20 AM		06:51	06:29	06:50	06:46	06:33	06:54	06:41	06:16	06:25	06:19	06:28
10:21 AM								06:42				
10:30 AM		06:52	06:42	06:41	06:33	06:36	06:51	06:33	06:00	06:21	06:07	06:06
10:40 AM		07:06	06:31	06:51	06:46	06:31	06:31	06:18	06:35	06:23	06:11	06:28
10:50 AM		06:31	06:05	06:35	06:42	06:22	06:28	06:33	07:13	06:36	06:15	06:17
11:00 AM		06:43	06:17	06:37	06:48	06:06	06:36	06:50	06:37	06:29	06:35	06:28
11:10 AM		06:36	06:22	06:37	06:47	06:09	06:24	06:53		06:57	06:46	06:38
11:20 AM		06:32	06:32	06:49	06:42	06:34	06:25	06:58	06:51	06:57	06:40	06:41



ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		06:29	06:22	06:44	06:39	06:40	06:38	06:59	06:34	06:54	06:24	06:31
11:40 AM		06:42	06:46	06:26	06:45	06:32	06:26	07:03	06:23	07:13	06:42	06:09
11:50 AM		06:37	07:02	06:47	07:06	06:22	06:38	06:47	06:56	06:47	06:42	06:33
12:00 PM		06:50	07:13	06:29	07:18	06:58	07:16	06:58	06:26	06:33	07:06	06:43
12:10 PM		06:43	07:20	06:28	07:21	06:38	06:47	06:52	06:42	06:47	07:00	06:33
12:20 PM		06:42	06:44	06:39	06:59	06:47	07:02	06:36	07:02	06:44	06:58	06:29
12:30 PM		06:49	07:01	06:29	07:01	06:39	06:49	06:43	06:39	06:49	07:27	06:23
12:40 PM		06:43	06:48	06:44	06:55	06:42	06:37	06:30	06:49	06:56	07:04	06:25
12:50 PM		06:44	07:13	06:34	06:53	06:32	06:33	06:38	06:40	06:39	06:57	06:43
1:00 PM		06:30	07:03	06:33	07:06	06:54	06:31	06:34	06:47	06:22	06:59	06:35
1:10 PM	06:52	06:29	07:11	06:27	06:29	06:34	06:30	06:40	06:59	06:39	06:35	06:20
1:20 PM	06:59	06:32	06:55	06:43	07:02	06:27	06:35	06:56	06:42	06:15		06:31
1:30 PM	06:50	06:38	06:51	06:39	06:37	06:57	06:23	06:13	06:51	06:30	06:39	06:30
1:40 PM	06:46	07:01	07:07	06:18	06:52	06:31	06:25	06:51	06:54	06:33	06:40	06:15
1:50 PM	06:52	06:43	07:21	06:37	06:44	06:58	06:36	06:28	07:08	06:12	06:34	06:09
2:00 PM	06:59	06:24	06:52	06:43	06:54	06:35	06:38	06:48	06:59	06:29	06:33	06:29
2:10 PM	06:40	06:23	06:27	06:33	06:38	06:41	06:16	06:39	07:03	06:28	06:31	06:32
2:20 PM	06:55	06:41	06:47	06:38	06:34	06:47	06:34	06:43	06:55	06:41	06:39	06:28
2:30 PM	06:38	06:38	06:57	06:29	06:27	06:53	06:46	06:34	07:08	06:29	06:35	06:32
2:40 PM	07:08	06:40	07:12	06:22	06:50	07:04	07:02	06:39	06:57	06:34	06:38	06:47
2:50 PM	07:09	06:49	07:02	06:45	06:45	06:32	07:05	06:43	07:20	07:11	06:53	06:33
3:00 PM	06:56	06:42	07:06	06:18	07:07	06:31	07:05	06:59	06:44	06:45	06:41	06:41
3:10 PM	06:44	07:14	06:51	06:07	06:49	06:25	06:38	06:43	07:51	06:35	06:42	07:06
3:20 PM	06:39	07:02	06:57	06:17	07:15	06:45	06:46	07:10	07:45	06:42	06:32	06:49
3:30 PM	06:52	06:56	07:14	06:19	06:52	06:32	06:41	06:37	08:07	06:39	06:50	06:58
3:40 PM	06:38	07:05	07:34	06:54	07:21	07:12	07:16	06:37	08:16	06:37	07:14	07:08
3:50 PM	07:22	07:04	07:30	06:59	07:16	07:05	07:13	06:46	09:24	07:05	07:02	06:57
4:00 PM	07:10	06:46	06:48	06:47	07:06	06:43	07:19	06:45	10:02	06:49	07:04	06:44
4:10 PM	07:15	07:21	07:20	07:28	07:16	07:23	07:02	07:00	13:02	06:58	07:16	07:32
4:20 PM	06:56	07:54	07:22	07:35	07:21	07:03	07:24	07:32	16:58	07:13	07:30	07:54
4:30 PM	07:30	07:47	07:54	07:17	07:49	07:30	07:26	07:27	21:18	07:06	07:19	07:27
4:40 PM	07:23	07:47	07:34	07:49	07:49	07:20	07:29	07:23	20:49	07:19	07:49	07:26
4:41 PM												
4:50 PM	07:23	07:46	07:59	07:17	07:25	07:16	07:26	07:34	23:19	07:28	07:26	07:21
5:00 PM	07:01	07:19	08:14	07:26	08:17	07:31	07:32	08:05	22:52	06:53	07:52	07:45
5:10 PM	07:38	07:56	07:55	08:12	08:29	07:20	07:45	08:23	22:53	07:14	07:51	07:53
5:20 PM	07:27	08:11	08:20	08:07	07:53	07:39	08:03	08:06	20:39	07:23	08:23	08:19
5:30 PM	07:10	08:11	08:16	08:03	07:46	08:03	08:09	07:57	21:51	07:49	08:11	07:47
5:40 PM	07:11	08:10	08:20	07:42	07:49	07:53	08:28	07:52	21:07	07:33	08:17	07:52
5:50 PM	07:32	08:31	08:13	07:44	07:56	07:33	07:57	08:00	22:13	07:22	08:05	07:40
6:00 PM	07:21	08:12	08:01	07:28	07:14	07:18	07:38	08:18	18:40	07:18	08:33	07:38
6:10 PM	07:05	07:47	07:53	07:28	07:15	07:15	07:15	07:19	18:59	06:55	08:12	07:40

ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	06:37	07:34	07:47	06:48	07:10	07:05	07:28	07:20	17:02	06:47	07:42	07:12
6:30 PM	06:59	07:05	07:13	07:02	06:55	07:37	06:55	07:12	12:00	06:34	07:24	07:08
6:40 PM	06:31	07:12	07:06	07:16	06:41	07:15	07:15	06:54	09:46	06:51	07:08	06:53
6:50 PM	06:54	06:45	07:08	07:01	06:51	06:52	06:38	06:52	08:11	06:27	07:02	06:28
7:00 PM	06:55	06:51	06:51	06:46	06:35	06:46	06:48	06:51	07:40	06:49	06:53	07:02
7:10 PM	06:34	06:36	06:52	06:27	06:35	06:39	07:04	06:22	07:10	06:37	06:45	06:31
7:20 PM	06:38	06:36	06:35	06:18	06:44	06:21	06:45	06:37	06:45	06:37	06:26	06:24
7:30 PM	06:43	06:35	06:29	06:16	06:16	06:13	06:57	06:37	06:42	06:20	06:17	06:28
7:40 PM	06:28	06:23	06:37	06:13	06:23	06:09	06:34	06:10	06:36	06:19	06:12	06:26
7:50 PM	06:38	06:07	06:21	06:18	06:06	06:12	06:24	06:04	06:32	06:30	06:08	06:23
8:00 PM	06:20	06:20	06:22	06:10	06:13	06:06	05:59	06:02	06:36	06:16	06:02	06:12
8:10 PM	06:12	06:19	06:10	06:09	06:10	06:14	05:54	06:06	06:45	06:04	06:15	06:17
8:20 PM	06:26	06:06	06:18	05:59	05:53	06:26	05:51	06:14	06:28	06:05	06:19	06:07
8:30 PM	06:09	05:59	06:41	05:58	06:09	06:38	05:56	06:19	06:25	05:48	06:21	06:01
8:40 PM	06:15	05:54	06:47	06:00	06:06	06:17	05:46	06:08	06:16	06:00	06:09	05:44
8:50 PM	06:00	06:16	06:30	06:06	06:06	06:17	05:43	06:06	06:04	06:13	06:09	06:16

Traction Probe Data Heatmap												
ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	05:51	06:02	06:16	05:55	06:00	06:00	06:13	06:20	06:07	06:10	06:03	06:20
5:20 AM	05:49	06:10	06:15	06:10	06:05	05:59	06:31	06:24	06:05	06:16	06:16	06:19
5:30 AM	05:49	06:21	06:36	06:01	06:03	06:07	06:24	06:18	06:07	06:17	06:35	06:13
5:40 AM	06:01	06:04	06:22	06:04	06:14	06:22	06:21	06:25	06:07	06:24	06:31	06:14
5:50 AM	06:16	05:59	06:32	06:24	06:17	06:24	06:35	06:22	06:06	06:25	06:28	06:23
6:00 AM	06:14	06:09	06:26	06:37	06:15	06:19	06:38	06:26	06:09	06:16	06:28	06:26
6:10 AM	06:15	06:23	06:28	06:14	06:01	06:15	06:39	06:32	06:01	06:32	06:20	06:22
6:20 AM	06:19	06:20	06:10	06:04	06:12	06:11	06:24	06:29	06:15	06:29	06:16	06:20
6:30 AM		06:23	06:12	06:07	06:16	06:14	06:16	06:27	06:18	06:30	06:19	06:26
6:40 AM	06:04	06:29	06:09	06:18	06:18	06:30	06:14	06:25	06:21	07:24	06:15	06:23
6:50 AM	06:16	06:40	06:37	06:14	06:20	06:05	06:24	06:11	06:16	07:05	06:04	06:12
7:00 AM	06:26	06:37	06:50	06:09	06:43	05:59	06:49	06:20	06:10	06:45	06:13	06:53
7:10 AM	06:27	06:36	06:00	06:01	06:28	06:06	06:17	06:35	06:18	06:32	06:10	06:41
7:20 AM	06:43	06:31	06:15	06:21	07:02	06:38	06:27	07:04	06:26	06:22	06:21	06:42
7:30 AM	06:33	06:41	06:21	06:37	07:00	06:39	06:25	06:25	06:04	06:28	06:50	06:27
7:40 AM	06:27	06:31	06:48	06:34	06:57	06:40	06:28	06:33	06:15	06:35	06:40	06:28
7:50 AM	06:42	06:48	06:47	06:51	06:44	06:20	07:06	06:34	06:18	06:54	06:17	06:39
8:00 AM	06:35	06:29	06:55	06:34	06:43	06:11	06:30	06:22	06:32	06:52	06:43	06:53
8:10 AM	06:47	06:33	06:58	07:05	06:47	06:17	06:45	06:51	06:35	06:42	07:09	06:55
8:20 AM	07:19	07:04	06:57	06:41	06:19	06:27	07:06	06:33	06:44	07:11	06:41	07:09
8:30 AM	06:49	07:10	07:00	07:13	06:31	06:22	06:57	06:34	06:48	07:15	07:20	07:25
8:40 AM	06:43	07:04	06:53	07:16	06:38	06:19	06:57	06:48	06:51	07:10	06:52	07:11
8:50 AM	06:21	07:09	06:58	06:49	06:51	06:36	06:37	06:40	06:31	06:39	07:13	07:35
9:00 AM	06:40	07:13	06:42	07:02	06:36	06:48	07:05	06:50	06:24	06:48	06:51	07:32
9:10 AM	06:38	06:44	06:33	06:35	06:44	06:33	07:11	06:44	06:37	06:35	07:09	06:50
9:20 AM	06:56	06:52	06:51	06:55	06:48	06:49	07:25	06:39	06:31	06:33	06:55	06:53
9:30 AM	06:20	06:37	06:27	06:40	06:31	06:39	07:31	06:25	06:26	06:40	06:38	06:42
9:40 AM	06:29	06:24	06:49	06:36	06:38	06:26	07:20	06:36	06:26	06:40	06:40	06:28
9:50 AM	06:34	06:22	06:37	06:36	06:54	06:27	07:03	06:36	06:41	06:50	06:56	06:25
10:00 AM	06:29	06:53	06:49	06:31	06:37	06:44	06:52	06:33	06:12	06:39	06:51	06:27
10:10 AM	06:28	06:17	06:36	06:23	06:25	06:20	06:48	06:42	06:35	06:31	07:14	06:25
10:20 AM	06:11	06:39	06:28	06:15	06:23	06:49	06:50	06:23	06:28	06:42	06:41	06:22
10:21 AM							06:25	06:09	06:17	06:35	06:22	06:33
10:30 AM	06:18	06:23	06:17	06:15	06:29	06:25	06:53	06:36	06:29	06:35	06:39	07:02
10:40 AM	06:15	06:25	06:20	06:10	06:51	06:30	06:39	06:26	06:06	06:23	06:34	06:48
10:50 AM	06:19	06:40	06:23	06:31	06:31	06:30	06:45	06:27	06:13	06:20	06:28	06:46
11:00 AM	06:22	06:41	06:20	06:31		06:42	06:31	06:35	06:18	06:28	06:16	06:41
11:10 AM	06:44	06:35	06:46	06:28	06:08	06:25	06:36	06:44	06:35	06:26	06:23	06:40
11:20 AM	06:54	06:24	06:30	06:45	06:28	06:30	06:51	06:27	06:23	06:23	06:15	06:28



ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	06:56	06:16	06:43	06:39	06:42	06:22	06:59	07:08	06:31	06:08	06:24	07:03
11:40 AM	06:59	06:16	06:25	06:49	06:35	06:47	07:02	06:49	06:39	06:29	06:24	06:58
11:50 AM	06:49	06:20	06:51	06:36	06:33	06:43	06:40	06:39	06:46	06:39	06:42	07:03
12:00 PM	06:39	06:44	06:41	06:55	06:38	06:51	06:53	06:54	06:29	06:35	06:29	06:45
12:10 PM	07:11	06:56	06:42	07:21	06:27	06:37	07:01	06:54	06:22	06:44	06:46	06:55
12:20 PM	07:01	06:33	06:35	06:38	06:39	06:53	06:46	07:00	06:25	06:34	06:40	06:51
12:30 PM	07:01	06:14	06:39	07:05	06:31	06:56	06:49	06:29	06:31	06:36	06:24	06:39
12:40 PM	06:49	06:28	06:55	06:59	06:45	06:25	06:43	06:54	06:38	06:42	06:56	06:44
12:50 PM	06:35	06:38	06:46	06:32	06:56	06:39	07:08	06:35	07:00	06:45	06:43	06:24
1:00 PM	06:47	06:23	06:43	06:52	06:29	06:27	07:12	06:48	06:33	06:55	06:25	07:00
1:10 PM	06:56	06:35	06:45	06:44	06:28	06:32	07:00	07:14	06:46	07:07	06:38	06:41
1:20 PM	06:25	06:25	07:02	06:45	06:39	06:40	06:42	06:43	06:41	06:50	06:41	06:28
1:30 PM	06:44	06:43	06:43	06:48	06:24	06:41	06:36	06:42	06:18	06:29	07:04	06:35
1:40 PM	06:55	06:52	07:02	07:04	06:26	06:48	06:52	06:58	06:43	06:44	06:55	06:51
1:50 PM	06:33	06:26	06:47	06:33	06:31	06:50	06:49	06:54	06:33	06:11	06:49	06:46
2:00 PM	06:28	06:35	06:46	06:28	07:01	06:48	06:52	06:31	06:29	06:29	06:48	06:57
2:10 PM	06:42	06:55	06:25	06:40	06:44	06:49	06:58	06:32	06:34	06:47	06:55	06:57
2:20 PM	06:39	06:36	06:39	06:24	06:53	06:55	07:05	06:40	06:27	06:51	06:49	07:00
2:30 PM	06:34	06:50	06:33	06:24	06:30	07:04	07:07	06:52	06:23	06:41	07:22	06:53
2:40 PM	06:48	06:58	06:31	06:43	06:54	07:08	07:03	06:54	06:28	07:05	07:11	06:57
2:50 PM	06:57	07:16	06:37	06:48	07:20	07:07	06:51	06:48	06:51	07:06	06:55	06:58
3:00 PM	06:37	06:42	06:40	06:32	06:49	07:27	07:06	06:53	06:16	07:02	06:47	06:51
3:10 PM	06:32	06:27	07:01	06:55	06:33	07:18	07:04	06:49	06:13	07:05	07:01	07:19
3:20 PM	06:37	06:48	07:06	06:48	06:43	07:06	07:03	06:44	06:24	07:01	07:01	07:10
3:30 PM	06:56	07:03	07:22	06:43	06:43	07:28	07:30	07:01	06:21	06:54	07:06	07:05
3:40 PM	07:00	06:58	07:08	06:57	07:08	07:41	07:33	06:59	06:19	07:15	07:20	07:15
3:50 PM	07:04	07:45	07:17	06:54	07:11	08:35	07:31	07:01	06:40	07:19	07:12	07:35
4:00 PM	06:48	07:19	06:57	07:01	06:46	08:11	07:22	07:12	06:43	07:18	07:37	07:45
4:10 PM	07:01	07:24	07:33	07:12	07:10	08:47	07:50	07:06	06:42	07:36	07:28	07:48
4:20 PM	07:45	07:20	07:27	07:38	07:28	08:48	07:32	07:11	07:09	07:39	07:47	08:40
4:30 PM	07:29	07:04	07:51	07:10	06:56	09:58	07:55	06:48	07:23	07:21	07:47	07:20
4:40 PM	07:33	07:25	07:26	07:02	07:35	08:19	08:05	07:10	07:16	08:02	07:34	07:39
4:41 PM	07:25						07:22	06:57	06:52	07:41	07:48	07:33
4:50 PM	07:45	07:50	08:05	07:06	07:05	08:52	07:46	06:59	07:00	08:25	08:55	08:10
5:00 PM	07:52	07:49	07:32	07:20	07:58	08:50	07:19	07:09	07:14	08:05	08:47	08:15
5:10 PM	08:08	07:41	07:40	07:54	07:43	10:53	07:53	07:15	06:45	08:07	08:10	08:20
5:20 PM	08:05	08:12	07:10	07:45	07:56	11:18	07:22	07:03	06:47	08:46	08:18	07:47
5:30 PM	07:52	08:19	08:18	07:16	08:41	11:23	07:10	06:57	06:40	08:19	08:12	07:59
5:40 PM	07:50	08:56	07:19	07:25	08:14	10:06	07:27	07:10	07:10	08:00	08:31	07:23
5:50 PM	07:40	08:19	07:26	07:31	07:45	10:51	07:12	06:44	07:30	07:31	08:08	07:43
6:00 PM	07:55	08:34	07:13	07:24	07:24	08:00	07:07	06:59	07:33	07:15	07:59	07:14
6:10 PM	07:36	07:35	07:14	07:20	07:14	08:11	07:00	06:48	06:42	07:16	07:26	07:29

ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	07:52	07:33	06:50	07:09	07:17	07:52	07:21	07:03	06:51	07:10	06:36	07:08
6:30 PM	07:19	07:08	07:15	07:00	06:53	07:32	07:00	06:43	06:34	07:05	06:50	07:05
6:40 PM	07:23	06:54	06:47	06:41	06:51	07:01	07:05	06:33	06:22	06:59	06:53	07:04
6:50 PM	07:09	06:53	06:39	06:49	07:02	07:12	06:37	06:33	06:27	07:00	06:48	07:07
7:00 PM	07:17	07:16	06:40	06:35	06:44	07:01	06:42	06:28	06:34	06:29	06:56	06:47
7:10 PM	06:30	06:50	06:55	06:31	06:33	06:54	06:33	06:42	06:20	06:29	06:47	06:33
7:20 PM	06:35	06:47	06:41	06:23	06:16	06:42	06:21	06:24	06:01	06:23	06:39	06:19
7:30 PM	06:31	06:45	06:24	06:33	06:25	06:39	06:14	06:16	06:18	06:23	06:44	06:22
7:40 PM	06:36	06:32	06:37	06:30	06:23	06:42	06:25	06:25	06:12	06:22	06:31	06:06
7:50 PM	06:13	06:20	06:35	06:12	06:34	06:26	06:21	06:20	06:17	06:24	06:20	06:15
8:00 PM	06:15	06:08	06:09	06:11	05:58	06:23	06:11	06:17	06:28	06:07	06:20	06:04
8:10 PM	06:16	06:19	06:08	06:09	05:53	06:22	06:05	06:11	06:22	06:09	06:25	06:14
8:20 PM	06:01	06:05	05:58	06:05	05:56	06:15	05:52	06:24	06:14	06:04	06:21	06:16
8:30 PM	06:01	06:30	05:52	06:01	06:09	06:24	05:52	05:59	06:06	06:21	06:36	06:03
8:40 PM	06:06	06:24	06:02	06:12	06:11	06:11						
8:50 PM	06:17	06:18	06:08	06:04	06:01	06:24						

Traction Probe Data Heatmap

ROUTE												
Camino Santa Fe SB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		06:19	06:11	06:06	06:37	06:08	06:42	06:15	06:04	06:52	06:00	06:31
5:20 AM		06:20	06:09	06:16	06:39	06:07	06:28	06:19	06:08	06:52	05:58	06:24
5:30 AM		06:24	06:16	06:08	06:22	06:06	06:24	06:25	06:07	06:28	06:08	06:35
5:40 AM		06:34	06:26	06:31	06:24	06:13	06:26	06:14	06:18	06:15	06:12	06:38
5:50 AM		06:32	06:32	06:32	06:25	06:17	06:29	06:15	06:22	06:30	06:19	06:37
6:00 AM		06:21	06:48	06:48	06:25	06:26	06:27	06:17	06:24	06:29	06:22	07:31
6:10 AM		06:35	06:41	06:34	06:29	06:27	06:25	06:32	06:33	06:21	06:29	07:22
6:20 AM		06:34	06:56	06:25	06:33	06:24	06:17	06:47	06:39	06:27	06:33	07:24
6:30 AM		06:42	07:01	06:28	06:40	06:36	06:34	06:48	06:54	06:29	06:44	07:34
6:40 AM		06:47	06:55	06:41	06:39	06:36	06:38	06:41	06:46	06:32	06:08	07:37
6:50 AM		06:38	06:23	06:31	06:33	06:25	06:30	06:53	06:45	06:33	06:28	06:52
7:00 AM		06:36	06:33	06:34	06:24	06:56	06:25	06:37	06:54	06:35	06:44	06:55
7:10 AM		06:26	06:32	06:06	06:45	06:32	07:09	06:43	06:31	07:02	06:50	06:40
7:20 AM		06:23	06:43	06:43	07:17	06:51	06:26	06:25	06:24	06:36	06:50	06:38
7:30 AM		06:51	06:41	06:48	06:33	07:05	06:56	06:39	06:53	07:01	06:46	07:01
7:40 AM		06:59	06:49	06:34	07:13	06:40	06:48	07:01	06:42	06:51	06:59	06:46
7:50 AM		06:56	06:52	06:36	06:49	07:02	06:39	07:12	06:53	06:47	07:03	07:16
8:00 AM		07:18	06:59	06:37	07:05	06:57	07:20	06:34	06:53	07:07	07:25	07:05
8:10 AM		06:43	07:06	07:04	06:56	07:04	06:53	07:07	07:17	07:12	07:16	07:19
8:20 AM		07:28	06:58	07:15	07:03	07:09	06:48	06:52	06:59	06:53	06:58	07:31
8:30 AM		07:17	07:02	07:20	06:59	07:00	07:00	07:01	07:10	07:11	07:07	07:03
8:40 AM		07:03	06:45	07:02	07:05	06:43	07:13	06:54	07:00	07:23	07:13	07:13
8:50 AM		07:17	07:18	07:38	07:00	06:47	07:08	06:49	06:56	07:15	07:44	08:04
9:00 AM		07:02	06:43	07:10	07:12	06:43	07:10	06:56	07:02	07:08	07:50	07:01
9:10 AM		07:17	07:25	07:35	07:09	07:18	07:26	06:53	06:59	06:49	07:21	07:04
9:20 AM		07:13	07:04	06:48	06:52	07:17	06:42	06:59	06:43	07:09	07:00	07:04
9:30 AM		07:19	06:56	07:14	07:05	07:21	06:52	06:51	06:40	07:14	07:09	07:01
9:40 AM		06:54	07:04	07:16	06:52	07:08	07:01	07:11	07:07	06:51	06:48	07:10
9:50 AM		07:05	07:03	07:19	07:04	06:59	06:39	07:08	06:54	07:20	06:50	07:12
10:00 AM		07:13	07:14	07:06	06:56	07:11	07:06	07:01	07:05	07:00	06:58	07:12
10:10 AM		07:13	07:18	07:17	07:03	06:58	07:11	07:07	07:02	06:39	06:43	06:55
10:20 AM		07:10	06:57	06:49	06:46	06:50	06:59	07:16	06:56	06:52	06:51	07:07
10:21 AM								07:13				
10:30 AM		07:00	07:10	06:49	06:53	06:42	06:50	07:14	06:48	06:54	06:34	07:08
10:40 AM		07:06	07:05	06:55	07:17	06:52	06:53	06:43	06:40	07:13	06:54	07:01
10:50 AM		07:04	06:53	06:51	07:11	06:45	07:00	06:44	07:06	06:50	06:43	06:59
11:00 AM		06:57	06:58	06:53	07:31	06:53	07:05	06:53	07:04	06:56	06:39	06:51
11:10 AM		06:46	07:18	07:04	07:04	07:07	06:42	07:02		07:16	06:39	07:12
11:20 AM		06:59	07:41	07:16	07:23	06:44	07:09	06:45	06:55	07:00	06:38	07:07

ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		07:01	07:47	07:13	07:03	06:59	07:12	06:59	06:48	06:36	06:45	07:21
11:40 AM		07:10	08:03	06:57	07:09	06:54	07:45	07:10	07:03	07:08	07:01	07:11
11:50 AM		07:31	08:02	07:10	07:07	06:55	07:05	07:12	07:09	07:20	07:00	07:04
12:00 PM		07:22	07:41	06:54	06:57	06:56	07:25	07:01	07:00	07:10	06:58	07:06
12:10 PM		07:18	07:33	07:09	07:18	07:06	07:18	07:15	07:07	07:11	07:13	06:54
12:20 PM		07:15	07:20	07:01	07:33	07:03	07:12	07:17	07:21	07:04	07:24	07:19
12:30 PM		07:25	07:16	07:36	07:29	07:12	07:05	07:01	06:56	07:12	07:13	07:10
12:40 PM		07:08	07:17	07:01	07:38	06:55	07:01	07:14	07:24	07:12	07:27	07:19
12:50 PM		07:21	06:55	07:19	07:27	07:32	07:08	07:28	07:11	07:06	07:12	06:59
1:00 PM		07:04	07:30	07:26	07:20	07:30	07:22	07:23	07:14	07:25	07:08	07:08
1:10 PM	07:17	07:06	07:04	07:23	07:30	07:18	07:35	07:33	07:20	07:29	06:56	07:19
1:20 PM	07:01	07:11	07:15	07:35	07:34	07:11	06:56	07:25	07:13	07:17		07:16
1:30 PM	07:22	06:59	07:08	07:23	07:13	07:13	07:06	07:22	07:21	07:16	06:59	06:55
1:40 PM	07:20	07:17	07:40	07:29	07:21	06:56	06:59	07:31	07:07	06:55	07:48	07:04
1:50 PM	06:58	07:15	07:19	07:06	07:13	07:25	06:56	07:12	07:23	06:50	07:07	07:06
2:00 PM	06:53	07:34	07:39	07:08	07:00	07:06	06:47	07:23	07:22	07:18	06:49	06:44
2:10 PM	07:03	07:38	07:20	07:04	07:28	07:08	07:16	07:32	07:17	07:06	07:13	07:11
2:20 PM	07:01	07:22	07:01	07:03	07:07	07:13	07:01	07:11	07:25	07:22	06:51	07:13
2:30 PM	07:00	07:11	06:56	07:23	06:59	07:11	07:23	07:12	07:30	07:26	07:00	07:32
2:40 PM	06:59	07:07	07:00	07:34	07:02	06:56	07:15	07:03	07:40	07:28	07:12	07:24
2:50 PM	07:17	07:07	07:08	06:56	07:03	07:04	07:10	06:39	07:34	07:14	07:34	07:04
3:00 PM	07:20	07:08	07:07	07:12	07:10	07:18	07:07	06:55	07:31	07:08	07:06	07:11
3:10 PM	07:20	07:02	07:04	07:01	07:28	07:33	07:15	07:21	07:22	07:21	07:18	07:22
3:20 PM	07:22	07:12	07:34	07:07	07:07	07:27	06:57	07:09	07:27	07:32	06:58	07:14
3:30 PM	07:13	07:09	06:56	06:49	07:05	07:25	06:56	07:33	07:32	07:18	07:07	07:43
3:40 PM	07:19	07:19	07:11	07:15	07:19	07:16	07:29	07:14	07:56	07:04	07:18	07:20
3:50 PM	07:25	07:16	07:33	06:40	07:09	07:21	07:12	06:54	08:37	07:26	07:49	06:53
4:00 PM	06:58	07:09	07:22	07:16	07:36	07:21	06:56	07:07	09:03	06:41	07:29	06:54
4:10 PM	07:07	07:15	07:30	07:18	07:36	07:20	07:21	08:11	09:36	07:42	07:49	07:25
4:20 PM	07:13	07:52	07:23	07:25	07:21	07:15	07:15	07:42	09:50	07:33	07:48	07:24
4:30 PM	06:59	07:16	07:16	07:29	07:42	07:53	07:26	07:36	10:03	07:53	07:35	07:24
4:40 PM	07:21	07:38	07:41	07:31	07:41	07:36	07:18	07:29	08:47	07:08	07:17	07:04
4:41 PM												
4:50 PM	07:15	07:29	07:47	07:17	07:25	07:16	07:24	08:13	08:41	07:32	07:20	07:42
5:00 PM	07:19	07:25	07:25	07:51	07:41	07:23	07:11	07:38	08:44	07:24	07:31	07:51
5:10 PM	07:25	07:35	07:51	07:58	08:19	07:43	07:59	08:43	08:55	07:48	07:45	07:48
5:20 PM	07:19	07:14	07:33	08:17	07:58	08:05	07:52	07:55	09:10	07:27	08:08	07:27
5:30 PM	07:38	07:13	07:42	08:15	07:52	07:28	07:24	07:37	09:00	07:11	08:00	07:40
5:40 PM	07:13	07:44	08:22	08:10	07:13	07:29	07:36	08:38	08:49	07:27	07:43	08:05
5:50 PM	07:22	07:48	07:35	07:37	07:32	07:31	08:10	08:04	08:32	07:08	07:48	07:54
6:00 PM	07:19	07:32	07:54	07:12	07:43	07:45	07:33	08:08	09:00	07:26	07:47	07:46
6:10 PM	07:07	07:49	07:32	07:37	07:53	07:22	07:47	07:53	08:39	07:18	07:35	07:30

ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	07:24	07:36	07:03	07:31	07:09	06:58	07:23	07:39	08:29	07:00	07:21	07:29
6:30 PM	06:52	07:27	06:58	07:07	06:54	06:59	07:19	07:06	08:40	07:03	07:13	07:27
6:40 PM	06:53	07:16	07:10	07:11	07:10	06:51	07:26	07:02	07:55	06:42	07:02	07:08
6:50 PM	07:11	07:24	06:51	07:16	06:47	06:45	07:08	06:33	07:53	06:45	06:54	06:58
7:00 PM	06:50	07:28	06:51	07:18	06:55	06:42	07:03	06:46	07:25	06:45	06:53	06:54
7:10 PM	06:49	07:00	06:43	07:11	06:35	06:40	06:56	07:01	07:11	07:03	06:58	06:41
7:20 PM	06:31	06:46	06:34	06:41	06:25	06:47	07:11	06:43	06:49	06:20	06:59	06:39
7:30 PM	06:15	06:31	06:25	06:37	06:20	06:29	06:59	06:25	06:55	06:19	06:39	06:18
7:40 PM	06:37	06:27	06:19	06:41	06:23	06:38	07:00	06:24	06:23	06:17	06:40	06:25
7:50 PM	06:17	06:19	06:33	06:13	06:42	06:37	06:35	06:13	06:33	06:39	06:38	06:48
8:00 PM	06:06	06:23	06:28	06:09	06:33	06:33	06:32	06:18	06:35	06:30	06:34	06:53
8:10 PM	06:03	06:21	06:25	06:15	06:32	06:34	07:06	06:37	06:56	06:49	06:44	06:33
8:20 PM	06:41	06:29	06:24	06:15	06:40	06:33	06:53	06:41	06:34	06:33	06:27	06:33
8:30 PM	06:26	06:29	06:10	06:28	06:32	06:10	06:35	06:35	06:24	06:31	06:31	06:31
8:40 PM	06:14	06:26	06:12	06:14	06:31	06:15	06:47	06:29	06:32	06:35	06:18	06:29
8:50 PM	06:14	06:18	06:27	06:25	06:30	06:19	06:27	06:16	06:34	06:34	06:17	06:25



Traction Probe Data Heatmap												
ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	06:14	05:56	06:40	05:47	06:15	06:13	06:08	06:44	05:57	06:06	05:50	06:07
5:20 AM	06:14	05:52	06:35	05:47	06:08	06:01	06:24	06:41	06:10	06:09	05:52	06:08
5:30 AM	06:12	05:55	06:23	06:04	06:21	06:15	06:03	06:21	06:11	06:31	05:45	06:12
5:40 AM	06:17	06:09	06:17	05:58	06:21	06:10	06:17	06:22	06:17	06:37	06:03	06:25
5:50 AM	06:25	06:17	06:21	06:03	06:37	06:12	06:38	06:22	06:15	06:41	06:11	06:30
6:00 AM	06:29	06:14	06:27	06:04	06:21	06:20	06:32	06:28	06:16	06:25	06:17	06:28
6:10 AM	06:29	06:04	06:27	06:02	06:24	06:18	06:28	06:32	06:24	06:39	06:24	06:21
6:20 AM	06:28	06:06	06:32	06:10	06:27	06:27	06:40	06:41	06:31	06:36	06:25	06:21
6:30 AM		06:30	06:44	06:04	06:36	06:48	06:50	06:45	06:24	06:23	06:31	06:25
6:40 AM	06:31	06:25	06:39	06:15	06:38	07:18	06:54	06:34	06:33	06:24	06:42	06:34
6:50 AM	06:31	06:47	06:45	06:28	06:43	06:33	06:24	06:38	06:26	06:22	06:28	06:52
7:00 AM	06:15	06:43	06:49	06:29	06:38	06:26	06:35	06:21	06:25	06:09	06:39	06:55
7:10 AM	06:25	06:36	06:31	06:16	06:15	06:47	06:54	06:45	06:31	06:24	06:21	06:13
7:20 AM	06:28	06:36	07:01	06:46	06:53	06:46	06:38	06:55	06:27	06:54	07:01	06:36
7:30 AM	06:53	06:29	06:32	06:28	06:39	06:52	07:00	06:54	06:26	06:48	06:36	06:44
7:40 AM	06:53	06:35	06:50	06:38	06:33	06:48	06:54	07:04	06:27	06:59	06:57	06:52
7:50 AM	06:49	06:42	06:50	06:54	06:26	07:03	07:12	06:55	06:30	06:36	07:01	06:58
8:00 AM	06:40	06:39	07:08	06:48	06:35	07:08	07:01	06:53	06:26	07:07	07:12	06:48
8:10 AM	06:41	06:38	06:51	06:43	07:04	06:45	07:24	07:06	06:35	07:04	07:04	07:22
8:20 AM	07:00	07:01	07:01	07:03	07:11	07:16	07:20	07:05	06:34	07:01	07:13	07:15
8:30 AM	06:54	06:37	07:19	07:00	07:15	07:14	07:16	07:10	06:44	07:02	06:46	07:16
8:40 AM	07:11		06:39	07:17	07:01	07:01	07:10	07:17	06:41	06:55	06:37	07:34
8:50 AM	07:06	07:44	07:11	06:53	06:57	06:52	07:35	07:32	07:13	07:05	07:04	07:22
9:00 AM	07:14	07:33	07:04	07:23	06:52	07:04	07:39	07:05	06:38	07:21	07:24	07:28
9:10 AM	06:47	07:01	07:03	07:19	07:05	07:00	07:41	06:52	06:43	06:49	07:26	07:52
9:20 AM	06:42	06:57	06:32	06:56	07:02	06:56	07:29	07:00	06:41	07:00	07:29	06:54
9:30 AM	07:03	07:05	06:37	07:01	07:14	06:42	07:30	07:21	06:57	06:59	07:22	07:18
9:40 AM	07:08	07:18	06:36	07:17	06:53	07:03	07:12	07:17	06:46	07:24	06:55	07:13
9:50 AM	06:57	07:17	06:50	07:03	07:01	07:15	07:01	07:05	06:44	06:51	07:15	07:00
10:00 AM	07:14	07:36	06:52	06:57	07:03	07:03	07:40	06:56	06:49	07:02	07:12	06:52
10:10 AM	07:24	07:10	06:50	06:52	06:37	07:11	07:00	07:19	06:37	07:00	07:06	06:41
10:20 AM	07:02	07:10	06:56	06:51	06:49	06:52	06:50	07:04	06:36	06:54	07:16	06:48
10:21 AM							06:55	07:17	06:28	07:06	07:20	07:10
10:30 AM	06:57	06:56	06:36	06:44	07:00	07:01	06:40	07:05	06:37	07:02	07:15	06:48
10:40 AM	07:06	06:40	06:52	06:43	07:04	07:18	06:40	06:48	06:50	07:08	06:57	06:46
10:50 AM	07:17	06:50	07:02	06:28	06:54	07:02	07:12	06:37	06:46	07:05	06:39	06:49
11:00 AM	06:50	06:53	06:54	06:59		07:10	06:57	06:47	07:14	06:52	07:04	06:57
11:10 AM	06:51	07:07	06:56	07:25	07:15	07:03	07:00	06:59	06:54	07:18	07:06	06:58
11:20 AM	06:59	07:04	06:57	06:54	07:13	06:53	07:24	06:51	07:04	07:08	07:00	06:56

ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	06:51	07:13	06:50	07:16	07:14	07:08	07:11	07:11	07:19	07:08	07:32	06:44
11:40 AM	07:15	07:08	07:03	07:09	07:06	06:53	07:02	07:01	06:36	07:30	07:17	06:50
11:50 AM	07:15	07:10	07:23	07:16	06:52	07:10	06:53	07:32	06:56	07:12	07:10	06:53
12:00 PM	07:19	07:13	07:27	06:55	06:48	07:15	07:08	07:28	06:42	07:13	06:56	07:10
12:10 PM	07:22	07:11	07:08	07:28	07:04	07:33	07:10	07:09	06:45	07:29	07:10	07:37
12:20 PM	07:33	06:56	07:08	07:17	07:09	07:32	07:11	06:55	07:04	07:20	07:19	07:51
12:30 PM	07:23	07:18	07:12	07:17	07:02	07:31	07:22	07:10	06:53	07:40	07:14	07:18
12:40 PM	07:12	07:05	07:26	07:33	07:10	07:30	07:30	07:25	06:55	07:26	07:34	07:13
12:50 PM	07:04	07:16	07:10	07:01	07:20	07:22	07:34	07:25	06:57	07:31	07:16	07:23
1:00 PM	06:51	07:07	07:23	07:10	07:11	07:20	07:29	07:30	07:24	07:19	07:31	07:18
1:10 PM	07:02	07:12	07:14	07:05	07:06	07:06	07:26	07:20	06:59	07:43	07:20	07:09
1:20 PM	07:03	06:48	07:17	07:13	07:11	07:06	07:27	07:39	06:54	07:16	07:30	06:58
1:30 PM	07:21	07:06	07:31	07:25	07:14	07:06	07:22	07:29	06:42	07:33	07:25	06:44
1:40 PM	07:03	07:31	07:24	06:54	07:16	07:10	07:12	07:24	06:58	07:08	06:59	06:44
1:50 PM	06:56	07:05	07:27	07:05	07:00	07:11	07:31	07:20	07:03	06:55	07:22	07:04
2:00 PM	07:11	06:56	07:11	07:08	06:46	07:21	07:22	07:08	07:02	07:17	07:23	07:01
2:10 PM	07:09	07:08	07:18	07:02	07:27	07:03	07:07	06:52	07:03	07:14	07:38	06:48
2:20 PM	07:13	07:18	07:02	07:10	07:14	07:09	07:22	07:10	06:59	07:22	07:24	07:40
2:30 PM	06:58	07:31	07:06	07:08	06:56	07:16	07:19	07:08	07:12	07:21	07:24	07:43
2:40 PM	07:06	07:08	07:11	07:05	07:18	07:11	07:40	07:17	07:01	07:12	07:26	07:49
2:50 PM	07:27	07:26	07:15	06:57	07:02	07:16	07:27	06:58	06:49	07:20	07:14	07:23
3:00 PM	07:03	07:09	07:18	06:30	06:49	07:26	07:34	07:07	06:58	07:23	07:33	07:45
3:10 PM	07:13	07:08	07:17	06:28	06:55	07:24	07:26	07:25	06:59	07:34	07:25	07:44
3:20 PM	07:35	07:06	06:56	06:59	07:14	07:25	07:30	07:06	06:55	06:47	07:44	07:12
3:30 PM	07:15	07:11	07:18	06:48	06:51	07:40	07:38	06:46	06:51	07:15	07:15	07:30
3:40 PM	07:33	07:13	07:39	07:06	06:59	07:33	06:59	07:00	06:56	07:11	07:26	07:13
3:50 PM	07:07	06:54	06:59	07:08	07:10	07:20	07:38	07:05	06:46	07:21	07:02	07:20
4:00 PM	07:11	07:22	07:14	07:09	07:09	07:50	07:49	07:25	06:50	07:36	07:50	07:27
4:10 PM	07:13	07:21	07:46	07:17	07:13	07:56	07:38	07:28	07:06	07:15	08:32	07:40
4:20 PM	07:12	07:28	07:32	07:19	07:17	07:35	07:53	07:15	06:54	07:39	07:47	07:44
4:30 PM	07:34	07:28	07:29	08:00	07:20	08:10	07:47	07:16	07:19	07:34	07:29	07:56
4:40 PM	07:39	07:09	07:13	07:27	07:29	08:17	07:38	07:09	07:25	07:23	07:41	07:55
4:41 PM	07:05						07:33	07:37	06:56	07:32	08:06	07:40
4:50 PM	07:38	07:18	07:13	08:23	07:23	08:15	07:30	07:20	07:17	08:04	08:06	07:57
5:00 PM	07:07	07:11	07:52	07:49	07:48	08:57	07:25	07:02	07:30	07:40	08:06	07:50
5:10 PM	07:57	07:30	07:36	08:19	07:36	09:16	07:22	07:11	07:06	07:29	08:33	07:25
5:20 PM	07:40	07:49	08:01	07:47	08:15	09:08	07:21	07:23	07:11	07:45	08:34	07:25
5:30 PM	07:48	07:56	07:55	07:38	07:52	09:28	07:01	07:02	07:01	07:35	07:48	07:24
5:40 PM	07:20	07:46	07:41	07:33	07:53	08:54	07:06	07:40	07:11	08:02	07:49	07:20
5:50 PM	07:35	07:15	07:44	07:46	07:49	08:42	07:16	07:13	07:12	07:41	08:06	07:51
6:00 PM	07:32	07:36	07:27	08:16	07:34	08:45	07:10	07:27	07:10	07:25	07:21	07:34
6:10 PM	07:10	07:40	07:15	08:04	07:30	08:00	07:20	07:10	07:14	07:21	07:49	07:36

ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	07:54	07:20	07:29	07:43	07:50	07:53	07:06	07:18	06:58	07:32	07:27	07:37
6:30 PM	07:28	06:58	07:40	07:21	07:16	08:10	06:52	06:58	07:00	07:08	07:36	07:09
6:40 PM	07:13	06:59	07:14	07:01	07:20	07:39	06:50	06:24	06:54	06:56	07:21	06:49
6:50 PM	07:30	06:49	06:50	07:12	07:03	07:10	06:55	06:31	07:02	07:06	07:03	06:43
7:00 PM	07:22	06:58	07:06	06:59	06:41	07:32	06:24	06:40	06:44	06:42	07:03	06:38
7:10 PM	07:09	06:52	06:57	07:11	06:46	07:37	06:23	06:39	06:39	06:41	07:01	06:56
7:20 PM	06:59	06:54	06:47	06:39	06:35	07:16	06:28	06:26	06:19	06:32	06:43	06:43
7:30 PM	06:50	06:37	06:38	06:44	06:23	06:56	06:29	06:23	06:22	06:36	06:19	06:35
7:40 PM	06:23	06:28	06:26	06:41	06:28	06:45	06:25	06:42	06:16	06:38	06:40	06:28
7:50 PM	06:35	06:24	06:19	06:36	06:29	06:34	06:26	06:36	06:11	06:43	06:43	06:28
8:00 PM	06:25	06:34	06:21	06:23	06:27	06:29	06:31	06:18	06:24	06:52	06:35	06:31
8:10 PM	06:08	06:28	06:24	06:27	06:59	06:42	06:25	06:17	06:24	06:38	06:33	06:35
8:20 PM	06:09	06:27	06:27	06:10	06:34	06:32	06:25	06:29	06:23	06:34	06:30	06:42
8:30 PM	06:09	06:26	06:33	06:18	06:34	06:34	06:21	06:32	06:20	06:50	06:28	06:29
8:40 PM	06:17	06:24	06:42	06:12	06:36	06:32						
8:50 PM	06:10	06:23	06:23	06:00	06:29	06:21						



Traction Probe Data Heatmap

ROUTE												
Carroll Canyon Rd EB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:11	02:10	02:15	02:14	02:15	02:03	02:11	02:18	02:13	02:30	02:08
5:20 AM		02:10	02:12	02:15	02:14	02:09	02:01	02:08	02:17	02:13	02:27	02:08
5:30 AM		02:06	02:04	02:12	02:14	02:05	02:07	02:08	02:11	02:13	02:27	02:09
5:40 AM		02:03	02:08	02:09	02:13	02:06	02:06	02:10	02:10	02:15	02:25	02:14
5:50 AM		02:04	02:06	02:05	02:11	02:10	02:00	02:07	02:12	02:18	02:23	02:16
6:00 AM		02:07	02:04	02:07	02:04	02:16	02:00	02:07	02:00	02:21	02:26	02:15
6:10 AM		02:09	02:07	02:02	02:06	02:16	01:59	02:05	02:01	02:22	02:21	02:14
6:20 AM		02:12	02:06	02:07	02:09	02:15	02:02	02:14	02:05	02:16	02:16	02:14
6:30 AM		02:12	02:14	02:03	02:17	02:12	02:04	02:04	02:08	02:09	02:23	02:13
6:40 AM		02:18	02:09	02:12	02:18	02:15	02:09	02:11	02:08	02:08	02:30	02:11
6:50 AM		02:12	02:04	02:20	02:14	02:14	02:12	02:14	02:11	02:08	02:24	02:16
7:00 AM		02:13	02:13	02:06	02:05	02:14	02:09	02:14	02:09	02:14	02:31	02:13
7:10 AM		02:12	02:14	02:06	02:07	02:11	02:21	02:10	02:12	02:08	02:23	02:11
7:20 AM		02:16	02:16	02:16	02:11	02:18	02:22	02:05	02:13	02:08	02:27	02:14
7:30 AM		02:20	02:17	02:18	02:19	02:14	02:08	02:13	02:09	02:08	02:22	02:17
7:40 AM		02:19	02:13	02:15	02:20	02:15	02:13	02:10	02:18	02:27	02:20	02:20
7:50 AM		02:16	02:12	02:24	02:17	02:11	02:19	02:15	02:14	02:15	02:34	02:32
8:00 AM		02:24	02:26	02:25	02:20	02:17	02:19	02:13	02:26	02:11	02:33	02:21
8:10 AM		02:23	02:28	02:19	02:17	02:21	02:13	02:18	02:10	02:06	02:36	02:21
8:20 AM		02:14	02:15	02:09	02:17	02:20	02:14	02:19	02:21	02:25	02:51	02:14
8:30 AM		02:13	02:19	02:16	02:12	02:17	02:19	02:31	02:17	02:14	02:45	02:25
8:40 AM		02:14	02:20	02:27	02:20	02:17	02:20	02:28	02:29	02:33	02:37	02:21
8:50 AM		02:19	02:22	02:18	02:14	02:23	02:17	02:21	02:26	02:23	02:54	02:26
9:00 AM		02:25	02:18	02:11	02:14	02:16	02:17	02:17	02:23	02:21	02:48	02:20
9:10 AM		02:14	02:18	02:14	02:09	02:08	02:12	02:21	02:07	02:16	03:01	02:10
9:20 AM		02:17	02:14	02:07	02:14	02:12	02:25	02:16	02:09	02:19	02:42	02:18
9:30 AM		02:14	02:16	02:15	02:15	02:29		02:16	02:13	02:18	02:38	02:10
9:40 AM		02:15	02:15	02:22	02:23	02:20	02:22	02:17	02:03	02:07	02:35	02:25
9:50 AM		02:13	02:16	02:15	02:11	02:17	02:10	02:17	02:09	02:15	02:30	02:27
10:00 AM		02:15	02:19	02:10	02:19	02:26	02:07	02:17	02:08	02:18	02:30	02:21
10:10 AM		02:11	02:21	02:25	02:25	02:15	02:13	02:17	02:11	02:23	02:39	02:29
10:20 AM		02:23	02:30	02:24	02:17	02:08	02:25	02:24	02:14	02:14	02:33	02:11
10:21 AM								02:26				
10:30 AM		02:29	02:22	02:26	02:16	02:18	02:21	02:22	02:15	02:11	02:37	02:45
10:40 AM		02:19	02:13	02:22	02:20	02:16	02:16	02:23	02:13	02:15	02:36	02:27
10:50 AM		02:22	02:19	02:17	02:18	02:11	02:07	02:24	02:24	02:25	02:28	02:20
11:00 AM		02:23	02:26	02:24	02:12	02:13	02:19	02:15	02:14	02:18	02:41	02:16
11:10 AM		02:22	02:24	02:30	02:10	02:08	02:18	02:23		02:25	02:27	02:19
11:20 AM		02:26	02:31	02:22	02:19	02:13	02:22	02:14	02:25	02:25	02:27	02:22

ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		02:18	02:26	02:12	02:18	02:09	02:17	02:13	02:20	02:16	02:18	02:24
11:40 AM		02:26	02:19	02:15	02:19	02:19	02:23	02:13	02:20	02:19	02:31	02:26
11:50 AM		02:27	02:25	02:16	02:15	02:28	02:17	02:26	02:18	02:25	02:39	02:16
12:00 PM		02:21	02:24	02:17	02:28	02:19	02:21	02:21	02:19	02:21	02:45	02:19
12:10 PM		02:26	02:23	02:17	02:27	02:27	02:37	02:15	02:21	02:18	02:31	02:26
12:20 PM		02:27	02:32	02:14	02:25	02:22	02:35	02:18	02:32	02:10	02:31	02:20
12:30 PM		02:30	02:27	02:17	02:30	02:13	02:37	02:17	02:26	02:26	02:34	02:25
12:40 PM		02:21	02:22	02:11	02:24	02:25	02:28	02:21	02:23	02:30	02:37	02:36
12:50 PM		02:22	02:30	02:24	02:23	02:16	02:27	02:22	02:34	02:19	02:27	02:29
1:00 PM		02:23	02:26	02:26	02:24	02:19	02:22	02:17	02:31	02:20	02:37	02:21
1:10 PM	02:16	02:19	02:21	02:16	02:22	02:13	02:25	02:28	02:21	02:16	02:31	02:21
1:20 PM	02:17	02:16	02:27	02:20	02:24	02:13	02:20	02:11	02:19	02:19		02:26
1:30 PM	02:14	02:22	02:23	02:18	02:09	02:31	02:18	02:12	02:29	02:21	02:46	02:18
1:40 PM	02:19	02:28	02:22	02:19	02:15	02:16	02:22	02:18	02:22	02:25	02:46	02:28
1:50 PM	02:18	02:16	02:18	02:34	02:18	02:17	02:20	02:13	02:38	02:28	02:51	02:23
2:00 PM	02:20	02:25	02:24	02:21	02:25	02:20	02:18	02:15	02:43	02:23	02:47	02:20
2:10 PM	02:23	02:24	02:19	02:21	02:18	02:18	02:20	02:20	02:38	02:27	03:04	02:22
2:20 PM	02:24	02:19	02:20	02:14	02:31	02:24	02:26	02:27	02:28	02:21	03:02	02:33
2:30 PM	02:28	02:25	02:29	02:19	02:22	02:29	02:18	02:29	02:25	02:28		02:27
2:40 PM	02:35	02:24	02:30	02:21	02:19	02:33	02:17	02:34	02:50	02:28	02:35	02:21
2:50 PM	02:31	02:38	02:24	02:17	02:23	02:37	02:21	02:24	02:46	02:19	02:37	02:22
3:00 PM	02:32	02:26	02:28	02:21	02:17	02:20	02:19		02:41	02:28		02:39
3:10 PM	02:38	02:34	02:33	02:23	02:26	02:19	02:25	02:20	02:47	02:28	02:40	02:34
3:20 PM	02:25	02:26	02:37	02:22	02:24	02:24	02:19	02:26	02:35	02:26	02:39	02:35
3:30 PM	02:27	02:22	02:35	02:30	02:20	02:33	02:09	02:17	02:39	02:16	02:36	02:37
3:40 PM	02:22	02:15	02:26	02:24	02:35	02:24	02:15	02:21	03:01	02:26	02:42	02:31
3:50 PM	02:29	02:31	02:31	02:28	02:34	02:27	02:32	02:32	02:46	02:40	02:43	02:34
4:00 PM	02:23	02:16	02:22	02:28	02:32	02:18	02:20	02:29	02:53	02:15	02:33	02:30
4:10 PM	02:27	02:18	02:30	02:35	02:29	02:33	02:29	02:28	03:18	02:25	02:41	02:26
4:20 PM	02:23	02:20	02:22	02:38	02:19	02:25	02:16	02:18	03:19	02:31	02:40	02:28
4:30 PM	02:23	02:36	02:21	02:23	02:25	02:26	02:25	02:19	02:59	02:23	02:36	02:34
4:40 PM	02:21	02:23	02:31	02:24	02:25	02:20	02:27	02:24	02:58	02:26	02:30	02:33
4:41 PM												
4:50 PM	02:19	02:34	02:32	02:25	02:34	02:28	02:24	02:30	03:03	02:16	02:29	02:29
5:00 PM	02:18	02:24	02:36	02:25	02:23	02:20	02:21	02:24	02:56	02:13	02:31	02:28
5:10 PM	02:35	02:33	02:24	02:29	02:31	02:20	02:27	02:28	02:45	02:19	02:35	02:25
5:20 PM	02:26	02:31	02:39	02:22	02:27	02:25	02:53	02:33	02:54	02:23	02:35	02:29
5:30 PM	02:15	02:23	02:35	02:32	02:21	02:29	02:43	02:22	03:14	02:23	02:35	02:26
5:40 PM	02:17	02:31	02:28	02:36	02:36	02:29	02:35	02:39	03:35	02:20	02:30	02:24
5:50 PM	02:15	02:38	02:31	02:26	02:32	02:38	02:29	02:39	03:05	02:21	02:36	02:27
6:00 PM	02:13	02:38	02:31	02:32	02:25	02:35	02:29	02:28	03:10	02:24	02:35	02:26
6:10 PM	02:16	02:24	02:27	02:28	02:21	02:31	02:28	02:25	02:41	02:26	02:29	02:31

ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	02:21	02:23	02:21	02:22	02:20	02:25	02:26	02:20	02:41	02:22	02:23	02:26
6:30 PM	02:20	02:19	02:22	02:19	02:16	02:23	02:18	02:20	02:27	02:23	02:22	02:22
6:40 PM	02:16	02:22	02:15	02:18	02:15	02:20	02:14	02:19	02:35	02:20	02:20	02:27
6:50 PM	02:15	02:14	02:26	02:16	02:14	02:19	02:11	02:20	02:26	02:15	02:21	02:26
7:00 PM	02:13	02:14	02:14	02:14	02:09	02:14	02:18	02:19	02:29	02:08	02:22	02:22
7:10 PM	02:10	02:16	02:14	02:16	02:14	02:21	02:11	02:19	02:26	02:09	02:32	02:17
7:20 PM	02:11	02:17	02:14	02:22	02:12	02:25	02:13	02:22	02:21	02:05	02:30	02:12
7:30 PM	02:09	02:19	02:24	02:23	02:10	02:30	02:11	02:09	02:16	02:09	02:30	02:11
7:40 PM	02:08	02:16	02:21	02:23	02:08	02:28	02:10	02:09	02:18	02:11	02:28	02:10
7:50 PM	02:09	02:15	02:20	02:23	02:10	02:30	02:12	02:09	02:23	02:03	02:29	02:04
8:00 PM	02:11	02:14	02:16	02:13	02:08	02:27	02:13	02:09	02:26	02:03	02:33	02:00
8:10 PM	02:11	02:11	02:19	02:12	02:01	02:23	02:09	02:16	02:23	02:00	02:33	02:00
8:20 PM	02:15	02:08	02:17	02:10	01:59	02:20	02:08	02:16	02:28	01:59	02:32	02:01
8:30 PM	02:12	02:06	02:15	02:12	01:59	02:18	02:05	02:17	02:27	02:03	02:32	02:04
8:40 PM	02:17	02:10	02:07	02:10	01:59	02:18	02:06	02:14	02:31	02:02	02:30	02:05
8:50 PM	02:20	02:10	02:07	02:12	01:59	02:19	02:06	02:15	02:30	02:05	02:29	02:06

Traction Probe Data Heatmap												
ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:11	02:06	02:18	02:11	02:07	02:09	02:11	02:15	02:15	02:09	02:04	02:14
5:20 AM	02:11	02:08	02:19	02:11	02:06	02:10	02:09	02:14	02:15	02:08	02:05	02:11
5:30 AM	02:08	02:09	02:14	02:06	02:07	02:08	02:08	02:13	02:11	02:07	02:02	02:08
5:40 AM	02:10	02:08	02:20	02:07	02:06	02:06	02:12	02:14	02:08	02:06	02:07	02:06
5:50 AM	02:22	02:08	02:16	02:05	02:00	02:06	02:34	02:14	02:09	02:06	02:04	02:13
6:00 AM			02:15	02:04	02:02	02:11	02:43	02:19	02:15	02:03	02:06	02:17
6:10 AM	02:13	02:11	02:10	02:05	02:03	02:09	02:28	02:18	02:17	02:20	02:04	02:13
6:20 AM	02:09	02:19	02:11	02:04	02:02	02:09	02:12	02:23	02:18	02:31	02:06	02:15
6:30 AM		02:17	02:13	02:07	02:12	02:03	02:17	02:25	02:18	02:27	02:10	02:06
6:40 AM	02:11	02:25	02:14	02:06	02:14	02:13	02:11	02:28	02:12	02:12	02:14	02:21
6:50 AM	02:13	02:30	02:14	02:12	02:21	02:16	02:12	02:19	02:19	02:09	02:17	02:25
7:00 AM	02:14	02:09	02:19	02:18	02:10	02:08	02:19	02:31	02:19	02:15	02:09	02:15
7:10 AM	02:18	02:08	02:22	02:14	02:12	02:14	02:24	02:20	02:13	02:16	02:10	02:20
7:20 AM	02:14	02:10	02:17	02:07	02:13	02:17	02:24	02:13	02:28	02:37	02:15	02:29
7:30 AM	02:11	02:07		02:12	02:16	02:14	02:37	02:18	02:13	02:16	02:20	02:22
7:40 AM	02:13	02:17	02:19	02:34	02:12	02:15	02:18	02:40	02:16	02:21	02:27	02:16
7:50 AM	02:19	02:22	02:28	02:15	02:11	02:17	02:22	02:26	02:31	02:26	02:26	02:20
8:00 AM	02:22	02:15	02:12	02:16	02:17	02:23		02:36	02:11	02:39	02:18	02:16
8:10 AM	02:13	02:16	02:14	02:10	02:11	02:09	02:24	02:21	02:16	02:21	02:18	02:18
8:20 AM	02:17	02:10	02:18	02:21	02:26	02:20	02:23	02:39	02:16	02:28	02:25	02:27
8:30 AM	02:15	02:12	02:23	02:17	02:25	02:18	02:20	02:31	02:13	02:19	02:34	02:14
8:40 AM	02:13		02:13	02:17	02:30	02:20	02:19	02:21	02:14	02:24	02:23	02:19
8:50 AM	02:16	02:12	02:12	02:18	02:23	02:06	02:14	02:15	02:12	02:13	02:23	02:21
9:00 AM	02:12	02:06	02:11	02:15		02:20	02:27	02:18	02:14	02:14	02:21	02:16
9:10 AM	02:16	02:10	02:16	02:04	02:16	02:11	02:32	02:26	02:18	02:14	02:15	02:11
9:20 AM	02:08	02:19	02:17	02:08	02:15	02:11	02:32	02:12	02:19	02:16	02:18	02:12
9:30 AM	02:09	02:19	02:11	02:17	02:18	02:13	02:33	02:20	02:25	02:22	02:11	02:15
9:40 AM	02:16	02:15	02:22	02:22	02:10	02:19	02:33	02:14	02:22	02:24	02:16	02:15
9:50 AM	02:10	02:16	02:22	02:24	02:13	02:16	02:33	02:18	02:17	02:19	02:17	02:14
10:00 AM	02:21	02:07	02:20	02:14	02:13	02:15	02:58	02:20	02:08	02:22	02:16	02:23
10:10 AM	02:17	02:16	02:11	02:07	02:19	02:18	02:36	02:19	02:14	02:24	02:14	02:23
10:20 AM	02:15	02:19	02:09	02:19	02:22	02:15	02:37	02:23	02:19	02:25	02:15	02:26
10:21 AM							02:59	02:23	02:19	02:20	02:24	02:31
10:30 AM	02:15	02:17	02:19	02:18	02:17	02:15	02:34	02:29	02:19	02:16	02:25	02:21
10:40 AM	02:14	02:18	02:33	02:24	02:18	02:22	02:32	02:25	02:10	02:23	02:15	02:17
10:50 AM	02:11	02:14	02:20	02:21	02:22	02:22	02:51	02:23	02:15	02:17	02:15	02:19
11:00 AM	02:10	02:16	02:17	02:20		02:20	03:08	02:27	02:25	02:24	02:18	02:28
11:10 AM	02:14	02:24	02:15	02:10	02:14	02:17	02:57	02:25	02:17	02:22	02:16	02:15
11:20 AM	02:19	02:25	02:15	02:31	02:13	02:23	02:33	02:28	02:36	02:24	02:23	02:26



ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	02:17	02:24	02:25	02:11	02:13	02:24	02:47	02:21	02:27	02:18	02:38	02:27
11:40 AM	02:17	02:21	02:23	02:18	02:14	02:24	02:39	02:28	02:23	02:30	02:15	02:19
11:50 AM	02:20	02:25	02:12	02:25	02:18	02:17	02:42	02:35	02:16	02:33	02:14	02:48
12:00 PM	02:12	02:15	02:05	02:18	02:18	02:30	02:29	02:26	02:33	02:27	02:16	02:37
12:10 PM	02:23	02:20	02:18	02:25	02:19	02:22	02:27	02:23	02:27	02:27	02:16	02:31
12:20 PM	02:23	02:23	02:22	02:15	02:21	02:23	02:37	02:32	02:20	02:19	02:19	02:18
12:30 PM	02:25	02:25	02:21	02:25	02:12	02:26	02:34	02:23	02:18	02:15	02:27	02:31
12:40 PM	02:28	02:20	02:14	02:17	02:19	02:24	02:51	02:27	02:16	02:25	02:23	02:45
12:50 PM	02:25	02:21	02:18	02:24	02:26	02:15	02:46	02:24	02:13	02:22	02:31	02:28
1:00 PM	02:23	02:23	02:21		02:17	02:13	02:37	02:27	02:21	02:29	02:20	02:30
1:10 PM	02:25	02:40	02:29	02:14	02:16	02:28	02:35	02:24	02:24	02:22	02:19	02:29
1:20 PM	02:24	02:42	02:19	02:10	02:11	02:33	02:24	02:25	02:30	02:24	02:21	02:22
1:30 PM	02:34	02:27	02:19	02:23	02:15	02:28	02:33	02:27	02:21	02:27	02:24	02:23
1:40 PM	02:15	02:14	02:32	02:22	02:13	02:18	02:46	02:30	02:20	02:17	02:23	02:28
1:50 PM	02:17	02:13	02:24	02:17	02:15	02:22	02:47	02:26	02:19	02:24	02:21	02:14
2:00 PM	02:24	02:20	02:26	02:20	02:19	02:29	02:40	02:23	02:23	02:30	02:26	02:35
2:10 PM	02:25	02:34	02:35	02:20	02:19	02:27	02:42	02:26	02:18	02:25	02:24	02:28
2:20 PM	02:34	02:17	02:19	02:20	02:12	02:24	02:34	02:27	02:21	02:32	02:23	02:21
2:30 PM	02:24	02:25	02:20	02:24	02:31	02:25	02:41	02:25	02:20	02:23	02:27	02:32
2:40 PM	02:20	02:19	02:27	02:29	02:23	02:24	02:42	02:27	02:31	02:37	02:25	02:29
2:50 PM	02:23	02:33	02:21	02:22	02:23	02:34	03:08	02:24	02:26	02:31	02:27	02:34
3:00 PM	02:29	02:23	02:16	02:19	02:18	02:42	02:43	02:23	02:30	02:25	02:35	02:25
3:10 PM	02:27	02:21	02:35	02:18	02:20	02:44	02:41	02:30	02:18	02:32	02:37	02:28
3:20 PM	02:23	02:26	02:24	02:19	02:20	02:37	02:33	02:33	02:15	02:21	02:27	02:40
3:30 PM	02:31	02:23	02:32	02:21	02:21	02:35	02:38	02:28	02:27	02:31	02:26	02:31
3:40 PM	02:28	02:19	02:19	02:26	02:21	02:43	02:40	02:37	02:23	02:29	02:27	02:30
3:50 PM	02:26	02:20	02:42	02:32	02:15	02:33	02:32	02:28	02:22	02:25	02:24	02:29
4:00 PM	02:25	02:26	02:43	02:55	02:14	02:35	02:52	02:28	02:22	02:24	02:25	02:34
4:10 PM	02:46	02:33	02:22	02:49	02:17	02:52	03:05	02:21	02:25	02:35	02:22	02:28
4:20 PM	02:28	02:30	02:25	02:40	02:20	02:42	02:44	02:30	02:21	02:19	02:24	02:38
4:30 PM	02:23	02:28	02:25	02:39	02:18	02:41	02:40	02:25	02:25	02:36	02:26	02:38
4:40 PM	02:34	02:17	02:27	02:32	02:20	02:53	02:42	02:35	02:16	02:40	02:23	02:47
4:41 PM	02:23						02:39	02:33	02:17	02:25	02:35	02:43
4:50 PM	02:24	02:29	02:18	02:33	02:21	02:42	02:37	02:43	02:16	02:37	02:37	02:48
5:00 PM	02:23	02:32	02:25	02:23	02:23	03:17	02:44	02:34	02:18	02:33	02:34	02:42
5:10 PM	02:27	02:36	02:48	02:18	02:31	02:46	02:45	02:25	02:18	02:38	02:43	02:36
5:20 PM	02:27	02:45	02:48	02:24	02:36	03:11	02:42	02:24	02:33	02:30	02:32	02:29
5:30 PM	02:29	02:24	02:52	02:37	02:31		02:41	02:22	02:29	02:26	02:35	02:30
5:40 PM	02:32	02:29	02:40	02:17	02:30	03:07	02:40	02:28	02:33	02:37	02:26	02:21
5:50 PM	02:22	02:43	02:23	02:10	02:37	02:38	02:52	02:20	02:22	02:28	02:31	02:24
6:00 PM	02:25	02:18	02:21	02:16	02:30	02:37	02:37	02:25	02:23	02:31	02:36	02:31
6:10 PM	02:21	02:26	02:27	02:20	02:21	02:35	02:48	02:21	02:22	02:37	02:32	02:41

ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	02:17	02:27	02:28	02:20	02:17	02:30	02:40	02:24	02:20	02:34	02:26	02:36
6:30 PM	02:12	02:34	02:27	02:21	02:14	02:33	02:32	02:25	02:25	02:29	02:29	02:24
6:40 PM	02:13	02:22	02:18	02:24	02:23	02:21	02:28	02:19	02:26	02:24	02:31	02:23
6:50 PM	02:12	02:18	02:19	02:25	02:16	02:26	02:26	02:19	02:18	02:22	02:27	02:19
7:00 PM	02:12	02:11	02:15	02:21	02:22	02:52	02:28	02:13	02:17	02:16	02:28	02:17
7:10 PM	02:18	02:15	02:09	02:14	02:19	02:25	02:25	02:14	02:10	02:18	02:24	02:12
7:20 PM	02:22	02:11	02:11	02:17	02:19	02:59	02:25	02:12	02:08	02:13	02:26	02:10
7:30 PM	02:15	02:14	02:03	02:19	02:17	02:30	02:21	02:10	02:07	02:12	02:19	02:12
7:40 PM	02:10	02:11	02:03	02:15	02:13	02:20	02:19	02:08	02:12	02:10	02:43	02:10
7:50 PM	02:13	02:14	02:03	02:11	02:10	02:22	02:20	02:04	02:12	02:09	02:33	02:13
8:00 PM	02:13	02:12	02:01	02:10	02:09	02:20	02:35	02:05	02:13	02:06	02:34	02:12
8:10 PM	02:17	02:08	02:02	02:09	02:08	02:24	02:36	02:04	02:13	02:07	02:26	02:13
8:20 PM	02:17	02:09	02:03	02:07	02:11	02:23	02:37	02:03	02:13	02:05	02:15	02:12
8:30 PM	02:22	02:10	02:06	02:07	02:11	02:22	02:31	02:03	02:11	02:07	02:11	02:12
8:40 PM	02:20	02:11	02:02	02:13	02:09	02:19						
8:50 PM	02:20	02:11	02:01	02:18	02:08	02:22						

Traction Probe Data Heatmap												
ROUTE	Carroll Canyon Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		03:09	03:16	03:22	03:21	03:11	03:08	03:13	03:22	03:16	03:11	03:06
5:20 AM		03:12	03:20	03:21	03:20	03:05	03:11	03:16	03:17	03:10	03:14	03:06
5:30 AM		03:15	03:24	03:23	03:04		03:13	03:20	03:11	03:10	03:19	03:06
5:40 AM		03:12	03:29	03:18	03:03	03:05	03:12	03:25	03:11	03:11	03:14	03:07
5:50 AM		03:13	03:21	03:13	03:02	03:01	03:04	03:25	03:09	03:06	03:13	03:08
6:00 AM		03:14	03:17	03:03	02:58	03:01	03:08	03:25	03:08	03:05	03:16	03:13
6:10 AM		03:09	03:08	02:59	02:59	03:01	03:10	03:13	03:10	03:06	03:16	03:16
6:20 AM		03:05	03:10	03:01	02:59	03:01	03:02	03:16	03:11	03:08	03:30	03:18
6:30 AM		03:06	03:05	03:00	02:57	02:58	03:02	03:12	03:11	03:09	03:24	03:23
6:40 AM		03:00	03:07	03:13	03:02	03:00	03:04	02:59	02:59	03:06	03:23	03:22
6:50 AM		02:54	03:03	02:59	02:54	03:04	03:06	03:02	03:03	03:03	03:44	03:09
7:00 AM		03:06	03:03	02:54	02:51	03:01	03:13	03:06	03:06	03:01	03:32	03:27
7:10 AM		03:10	03:06	02:55	03:02	02:56	03:08	03:10	03:04	02:59	03:28	03:12
7:20 AM		03:11	03:13	02:46	02:56	02:58	03:01	03:02	02:57	03:00	03:25	03:11
7:30 AM		03:17	03:17	03:04	02:50	03:04	03:09	02:57	02:56	03:04	03:24	02:59
7:40 AM		03:07	03:15	02:59	02:52	03:05	02:54	02:50	02:56	03:03	03:26	03:02
7:50 AM		02:53	03:10	03:13	02:53	03:18	03:00	02:56	03:00	03:09	03:19	03:08
8:00 AM		02:55	03:04	03:06	02:50	03:18	03:02	02:54	02:59	02:51	03:20	03:06
8:10 AM		03:05	03:11	02:59	03:01	03:04	03:07	02:50	02:56	02:50	03:36	03:07
8:20 AM		03:09	02:57	03:03	02:57	02:58	02:49	02:46	02:59	02:53	04:11	03:07
8:30 AM		03:03	03:00	02:55	03:09	03:03	02:54	02:56	02:59	03:07	04:30	02:59
8:40 AM		03:06	03:02	02:58	02:57	03:09	02:56	02:58	03:01	02:56	04:26	03:12
8:50 AM		03:04	03:06	02:58	03:04	02:58	03:00	03:04	03:02	03:03	05:02	03:10
9:00 AM		02:54	03:06	02:58	02:54	03:02	03:01	03:07	03:03	02:58	04:41	02:59
9:10 AM		02:55	03:02	02:56	02:53	02:59	03:05	03:05	03:01	02:47	04:35	03:08
9:20 AM		02:55	02:58	02:53	02:49	02:59	03:15	02:56	03:04	02:46	04:30	03:04
9:30 AM		03:02	02:56	03:17	02:53	02:54	03:00	03:02	03:05	02:58	04:29	03:07
9:40 AM		03:01	02:59	02:59	02:56	02:57	03:01	03:10	03:03	03:05	04:53	03:02
9:50 AM		03:01	02:54	03:03	03:01	02:48	03:05	02:55	02:50	03:04	04:45	03:05
10:00 AM		02:50	02:52	03:08	03:06	02:52	03:04	02:57	02:56	03:10	04:50	03:08
10:10 AM		02:54	03:05	03:00	03:02	02:52	03:03	02:59	03:01	03:06	04:57	03:03
10:20 AM		02:56	03:03	03:00	02:53	02:58	02:57	02:58	02:57	02:59	04:49	03:06
10:21 AM								02:56				
10:30 AM		03:10	03:15	02:54	02:56	02:54	02:51	02:57	02:53	02:54	04:47	03:27
10:40 AM		02:52	02:54	02:57	02:54	02:51	02:56	03:00	02:57	02:55	03:33	03:19
10:50 AM		02:58	02:53	02:57	02:56	02:53	03:15	03:13	02:57	03:00	03:21	03:07
11:00 AM		03:02	02:55	03:00	02:50	02:59	03:03	02:53	02:59	02:58	03:04	03:10
11:10 AM		03:04	02:51	02:57	03:06	03:01	03:04	02:59		03:01	03:17	03:01
11:20 AM		03:11	03:07	03:03	02:59	03:01	03:02	02:49	02:55	03:08	03:21	03:12

ROUTE	Carroll Canyon Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		02:50	03:10	03:04	03:09	03:03	03:01	03:03	02:58	02:52	03:20	03:01
11:40 AM		02:57	02:55	02:57	02:57	03:03	02:58	02:54	03:02	03:03	03:18	03:10
11:50 AM		03:13	02:59	03:02	03:05	03:01	02:58	03:18	03:06	03:01	03:23	03:01
12:00 PM		03:04	03:00	03:00	02:56	02:59	03:04	03:00	02:59	02:57	03:26	03:05
12:10 PM		03:04	03:05	02:56	03:11	03:15	03:09	02:57	03:09	02:54	03:17	03:02
12:20 PM		03:04	03:02	03:18	02:54	03:04	03:02	03:27	03:16	03:06	03:18	03:02
12:30 PM		03:15	03:02	02:59	02:59	03:08	02:57	02:55	02:50	02:56	03:21	03:10
12:40 PM		02:55	02:58	02:56	02:54	03:06	03:12	02:53	03:09	02:56	03:21	03:05
12:50 PM		03:06	03:08	03:05	03:03	03:09	03:08	03:03	03:11	03:02	03:19	03:09
1:00 PM		03:01	03:02	02:54	02:55	03:00	03:06	02:58	03:15	02:54	03:49	03:14
1:10 PM	02:55	02:58	03:04	02:56	02:57	02:58	03:07	03:00	03:08	02:48	03:33	03:04
1:20 PM	02:58	02:52	03:00	02:51	02:55	02:58	02:54	03:02	02:53	03:10		03:17
1:30 PM	03:02	03:00	03:03	02:46	02:52	02:55	03:07	02:54	02:59	03:03	03:39	03:03
1:40 PM	03:00	02:59	03:02	02:56	02:57	03:02	03:07	02:54	03:23	03:04	03:36	03:06
1:50 PM	03:11	03:00	03:00	03:18	02:46	02:57	03:14	02:56	03:23	03:00	03:39	03:07
2:00 PM	03:05	02:52	02:50	03:08	03:07	03:06	02:59	02:59	03:26	02:56	03:36	03:02
2:10 PM	02:55	02:51	02:57	02:50	03:03	03:00	02:55	02:53	03:20	03:06	03:28	03:03
2:20 PM	02:53	02:54	03:03	03:07	03:01	02:55	03:00	03:02	03:12	02:56	03:17	03:07
2:30 PM	03:03	02:57	02:54	02:50	02:57	02:46	02:46	03:00	03:02	02:54	03:19	03:03
2:40 PM	03:15	03:16	02:55	03:05	02:56	03:00	02:52	03:06	03:09	02:59	03:14	03:13
2:50 PM	03:07	03:16	02:59	02:55	02:59	02:59	03:08	02:49	03:26	03:08	03:06	03:03
3:00 PM	02:55	03:01	02:56	03:01	03:05	03:01	03:01	03:01	03:17	02:57	03:04	02:59
3:10 PM	02:54	03:03	03:00	02:55	02:57	03:08	03:06	03:03	03:28	02:56	03:19	03:08
3:20 PM	02:57	03:01	03:08	02:50	02:53	02:45	02:50	02:56	03:16	02:56	03:21	03:08
3:30 PM	02:58	03:04	03:06	02:58	02:51	02:50	02:56	02:57	03:05	02:56	03:13	03:03
3:40 PM	02:55	03:02	03:16	03:08	03:06	03:04	03:11	03:09	03:25	02:57	03:29	03:16
3:50 PM	02:52	03:10	03:08	02:59	02:58	02:59	03:11	03:29	03:33	03:07	03:26	03:07
4:00 PM	02:51	02:50	03:04	03:10	03:01	03:02	03:18	02:59	03:46	03:16	03:11	03:00
4:10 PM	02:59	02:57	03:10	03:16	03:02	03:06	03:01	03:13	03:58	02:52	03:20	03:01
4:20 PM	03:00	02:59	03:01	03:26	03:19	03:15	03:07	02:56	05:39	02:46	03:14	03:10
4:30 PM	02:51	03:02	03:18	03:00	02:59	02:58	02:59	03:05	09:12	03:02	03:17	02:39
4:40 PM	03:06	03:05	03:02	03:04	03:10	02:57	02:59	03:04	07:49	02:39	03:12	03:13
4:41 PM												
4:50 PM	02:59	02:51	03:09	03:01	03:10	02:56	02:53	02:57	07:48	02:52	03:06	03:05
5:00 PM	02:57	02:58	03:06	02:57	03:01	02:58	02:54	02:58	06:06	02:49	03:11	03:04
5:10 PM	03:02	03:18	03:00	03:00	03:09	03:05	02:56	03:11	05:52	02:51	03:15	02:39
5:20 PM	02:54	03:01	03:05	03:17	03:03	03:02	03:02	03:06	10:55	02:51	03:05	02:39
5:30 PM	02:58	03:15	03:08	03:12	03:06	02:59	03:05	03:04	10:29	02:57	03:07	02:35
5:40 PM	03:00	02:52	03:05	03:09	03:07	02:59	03:11	03:01	11:45	02:51	03:05	02:43
5:50 PM	02:54	03:14	03:02	03:03	02:56	02:54	02:59	02:54	10:12	02:49	03:01	02:57
6:00 PM	02:57	03:07	03:12	02:54	02:57	03:03	02:57	02:46	10:17	02:48	02:55	02:41
6:10 PM	02:55	03:00	03:00	02:55	02:56	03:06	03:01	02:54	08:12	02:46	03:05	02:58



ROUTE	Carroll Canyon Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	02:49	02:59	03:16	02:56	02:48	02:53	02:51	03:00	04:30	02:47	03:09	02:57
6:30 PM	02:57	02:56	02:57	02:53	02:51	02:57	03:02	02:56	04:09	02:52	02:59	02:49
6:40 PM	02:53	02:50	02:42	02:55	02:51	03:04	02:47	02:55	03:12	02:52	02:53	02:58
6:50 PM	02:53	02:52	02:47	02:50	02:48	02:42	02:50	02:40	03:09	02:43	03:00	02:29
7:00 PM	02:59	02:52	02:48	02:55	02:37	02:42	02:50	02:42	03:08	02:42	02:56	02:32
7:10 PM	02:54	02:47	02:51	02:54	02:48	02:41	02:52	02:38	02:57	02:46	02:52	02:22
7:20 PM	02:49	02:48	02:42	02:50	02:50	02:48	02:55	02:44	03:00	02:38	02:58	02:28
7:30 PM	02:49	02:46	02:38	02:46	02:44	02:54	02:48	02:44	02:52	02:40	02:57	02:33
7:40 PM	02:49	02:47	02:36	02:46	02:43	02:53	02:44	02:56	02:48	02:41	02:44	02:28
7:50 PM	02:52	02:50	02:38	02:48	02:53	02:51	02:47	02:53	02:53	02:45	02:43	02:22
8:00 PM	03:03	02:50	02:42	02:42	02:48	02:50	02:44	02:45	02:53	02:48	02:45	02:26
8:10 PM	03:09	02:50	02:40	02:48	02:50	02:44	02:44	02:47	02:44	02:42	02:43	02:32
8:20 PM	03:04	02:49	02:39	02:51	02:52	02:51	02:43	02:47	02:41	02:41	02:43	02:44
8:30 PM	03:08	02:47	02:41	02:49	02:54	02:48	02:49	02:42	02:42	02:40	02:46	02:43
8:40 PM	02:56	02:47	02:39	02:43	02:58	02:47	02:55	02:36	02:42	02:38	02:47	02:38
8:50 PM	02:59	02:48	02:38	02:42	02:54	02:48	02:50	02:38	02:42	02:39	02:47	02:35

Traction Probe Data Heatmap												
ROUTE	Carroll Canyon Rd WB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:51	03:00	02:36	02:49	02:42	02:44	02:40	02:44	02:51	02:47	02:51	02:52
5:20 AM	02:53	03:00	02:36	02:49	02:44	02:36	02:42	02:45	02:51	02:47	02:53	02:52
5:30 AM	02:58	03:00	02:33	02:57	02:47	02:40	02:46	02:46	02:59	02:52	02:54	02:46
5:40 AM	03:02	03:02	02:33	02:49	02:47	02:40	02:48	02:46	02:52	02:51	02:57	02:54
5:50 AM	03:02	02:51	02:33	02:49	02:42	02:30	02:53	02:51	02:52	02:51	02:52	02:50
6:00 AM	03:02	02:48		02:50	02:41	02:32	02:55	02:54	02:48	02:44	02:48	02:48
6:10 AM	02:50	02:48	02:37	02:50	02:42	02:34	02:58	03:06	02:43	02:44	02:45	02:51
6:20 AM	02:47	02:44	02:39	02:43	02:42	02:32	03:01	02:59	02:44	02:46	02:44	02:50
6:30 AM		02:47	02:40	02:45	02:48	02:36	02:57	03:03	02:41	02:46	02:39	02:42
6:40 AM	02:41	02:50	02:36	02:48	02:48	02:31	03:07	02:58	02:45	02:42	02:42	02:41
6:50 AM	02:50	02:50	02:42	02:47	02:48	02:31	03:02	02:57	02:38	02:45	02:46	02:45
7:00 AM	02:48	02:47	02:31	02:46	02:40	02:32	02:55	02:53	02:42	02:38	02:37	02:45
7:10 AM	02:35	02:51	02:25	02:44	02:51	02:26	02:50	02:49	02:44	02:35	02:36	02:48
7:20 AM	02:37	02:36	02:25	02:41	02:52	02:31	02:52	02:43	02:48	02:35	02:42	02:47
7:30 AM	02:36	02:32	02:35	02:44	02:49	02:30	02:44	02:44	02:55	02:38	02:38	02:47
7:40 AM	02:42	02:40	02:41	02:44	02:42	02:30	02:42	02:44	03:04	02:47	02:39	02:42
7:50 AM	02:41	02:33	02:43	02:49	02:40	02:28	02:40	02:57	02:53	02:45	02:35	02:46
8:00 AM	02:51	02:30	02:45	02:51	02:42	02:31		03:04	02:51	02:42	02:37	02:43
8:10 AM	02:39	02:31	02:32	02:42	02:44	02:45	02:44	02:55	02:47	02:34	02:34	02:59
8:20 AM	02:42	02:34	02:27	02:42	02:43	02:49	02:30	02:55	02:44	02:34	02:35	02:48
8:30 AM	02:33	02:33	02:22	02:39	02:28	02:56	02:43	02:48	02:45	02:45	02:31	02:50
8:40 AM	02:40		02:26	02:39	02:40	02:40	02:42	02:45	02:47	02:43	02:35	02:39
8:50 AM	02:39	02:40	02:28	02:30	02:52	02:46	02:42	02:48	02:43	02:40	02:30	02:48
9:00 AM	02:29	02:42	02:44	02:35	02:45	02:57	02:49	02:50	02:40	02:30	02:25	02:37
9:10 AM	02:40	02:31	02:35	02:32	02:53	02:44	02:42	03:01	02:38	02:42	02:28	02:40
9:20 AM	02:39	02:49	02:40	02:31	02:36	02:37	02:56	02:55	02:37	03:01	02:38	02:43
9:30 AM	02:40	02:39	02:32	02:39	02:37	02:32	02:53	02:45	02:45	02:53	02:44	02:49
9:40 AM	02:35	02:37	02:40	02:28	02:38	02:39	02:46	02:36	02:47	02:46	02:45	02:37
9:50 AM	02:43	02:39	02:41	02:29	02:45	02:32	02:53	02:42	02:41	02:42	02:47	02:45
10:00 AM	02:37	02:34	02:32	02:38	02:51	02:38	03:08	02:41	02:54	02:39	02:35	02:50
10:10 AM	02:36	02:42	02:41	02:39	02:49	02:36	03:24	02:41	02:37	02:41	02:33	02:47
10:20 AM	02:34	02:39	02:36	02:39	02:38	02:31	04:20	02:39	02:36	02:31	02:40	02:28
10:21 AM							03:31	02:36	02:30	02:38	02:35	02:38
10:30 AM	02:32	02:35	02:29	02:35	02:55	02:41	03:47	02:41	02:31	02:43	02:39	02:33
10:40 AM	02:41	02:41	02:28	02:32	02:34	02:35	02:51	02:35	02:40	02:42	02:34	02:39
10:50 AM	02:34	02:52	02:27	02:26	02:36	02:47	02:59	02:46	02:32	02:45	02:40	02:44
11:00 AM	02:34	02:30	02:35	02:21		02:34	03:28	02:48	02:35	02:46	02:26	02:33
11:10 AM	02:35	02:45	02:36	02:34	02:36	02:39	03:14	02:34	02:29	02:34	02:36	02:35
11:20 AM	02:46	02:40	02:37	02:39	02:34	02:30	03:07	02:47	02:31	02:36	02:42	02:35

ROUTE	Carroll Canyon Rd WB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	02:33	02:45	02:49	02:36	02:34	02:37	03:08	02:35	02:29	02:52	02:52	02:35
11:40 AM	02:35	02:55	02:42	02:38	02:48	02:43	03:02	02:39	02:27	02:43	02:32	02:45
11:50 AM	02:54	02:37	02:33	02:33	02:39	02:28	02:57	02:40	02:30	02:41	02:38	02:46
12:00 PM	02:44		02:41	02:31	02:47	02:30	02:54	02:47	02:39	02:35	02:32	02:43
12:10 PM	02:45	02:50	02:37	02:43	02:35	02:33	02:50	02:39	02:43	02:40	02:42	02:34
12:20 PM	02:53	02:34	02:42	02:45	02:30	02:53	03:03	02:34	02:37	02:44	02:41	02:40
12:30 PM	02:42	02:39	02:42	02:41	02:36	02:42	02:53	02:37	02:38	02:42	02:30	02:42
12:40 PM	02:44	02:44	02:41	02:43	02:35	02:50	02:53	02:37	02:40	02:35	02:34	02:46
12:50 PM	02:46	02:38	02:29	02:35	02:50	02:45	02:57	02:47	02:47	02:46	02:40	02:43
1:00 PM	02:42	02:48	02:31	02:38	02:41	02:37	02:57	02:52	02:44	02:45	02:39	02:43
1:10 PM	02:48	02:53	02:43	02:42	02:36	02:43	02:53	02:42	02:43	02:42	02:30	02:54
1:20 PM	02:38	02:40	02:25	02:31	02:34	02:32	03:01	02:41	02:35	02:55	02:39	02:45
1:30 PM	02:39	02:34	02:31	02:30	02:39	02:40	03:05	02:30	02:39	02:53	02:47	02:38
1:40 PM	02:37	02:40	02:32	02:32	02:39	02:42	03:00	02:36	02:34	02:39	02:39	02:37
1:50 PM	02:42	02:25	02:30	02:33	02:36	02:37	03:04	02:36	02:36	02:41	02:36	02:30
2:00 PM	02:36	02:34	02:32	02:38	02:27	02:36	03:10	02:44	02:39	02:37	02:39	02:46
2:10 PM	02:41	02:26	02:35	02:33	02:36	02:35	02:54	02:40	02:49	02:33	02:37	02:42
2:20 PM	02:44	02:33	02:29	02:36	02:25	02:37	02:51	02:39	02:35	02:34	02:43	02:29
2:30 PM	02:36	02:41	02:24	02:25	02:36	02:29	03:10	02:32	02:45	02:46	02:40	02:53
2:40 PM	02:31	02:34	02:36	02:32	02:30	02:53	03:03	02:36	02:43	02:33	02:39	02:54
2:50 PM	02:40	02:41	02:31	02:34	02:34	02:45	02:58	02:41	02:26	02:25	02:37	02:47
3:00 PM	02:42	02:29	02:34	02:35	02:32	02:53	03:07	02:49	02:25	02:41	02:38	02:48
3:10 PM	02:51	02:46	02:43	02:38	02:42	02:54	03:14	02:33	02:28	02:39	02:38	02:49
3:20 PM	02:43	02:38	02:45	02:32	02:42	03:14	03:23	02:47	02:29	02:33	02:43	02:42
3:30 PM	02:42	02:36	02:33	02:38	02:36	02:59	03:05	02:42	02:41	02:36	02:39	02:51
3:40 PM	02:43	02:42	02:40	02:52	02:42	02:58	03:08	02:43	02:38	02:36	02:36	03:01
3:50 PM	02:45	02:49	02:43	02:40	02:35	03:08	02:56	02:41	02:32	02:32	02:37	03:02
4:00 PM	02:50	02:50	02:42	02:33	02:41	02:49	02:49	02:38	02:29	02:36	02:50	02:57
4:10 PM	02:50	02:47	02:41	02:42	02:50	05:50	02:55	02:29	02:28	02:46	02:39	02:45
4:20 PM	02:48	02:44	02:45	02:32	02:33	08:42	03:11	02:37	02:38	02:43	02:50	02:39
4:30 PM	02:44	02:37	02:43	02:35	02:35	09:13	03:00	02:38	02:30	02:32	03:03	02:38
4:40 PM	02:43	02:41	02:40	02:30	02:40	09:34	02:49	02:37	02:32	02:38	03:05	02:36
4:41 PM	02:39						02:55	02:41	02:26	02:28	03:02	02:34
4:50 PM	02:39	02:39	02:42	02:34	02:43	06:58	02:53	02:40	02:28	02:44	02:51	02:38
5:00 PM	02:30	02:44	02:35	02:29	02:34	05:10	02:55	02:32	02:41	02:43	03:23	02:39
5:10 PM	02:37	02:40	03:48	02:41	02:40	06:38	02:54	02:27	02:23	02:39	03:54	02:34
5:20 PM	02:43	02:46	03:37	02:42	02:39	08:07	02:52	02:29	02:25	02:36	03:09	02:41
5:30 PM	02:33	02:42	03:09	02:40	02:38	08:48	02:49	02:31	02:26	02:34	02:57	02:42
5:40 PM	02:49	02:45	02:49	02:36	02:40	09:15	02:49	02:27	02:33	02:35	02:55	02:35
5:50 PM	02:40	02:50	02:51	02:34	02:46	07:57	02:44	02:29	02:31	02:35	02:46	02:38
6:00 PM	02:43	02:40	02:56	02:33	02:31	08:10	02:44	02:29	02:35	02:26	02:39	02:46
6:10 PM	02:37	02:31	02:38	02:28	02:26	04:07	03:19	02:29	02:31	02:34	02:29	02:49

ROUTE	Carroll Canyon Rd WB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	02:35	02:32	02:45	02:33	02:33	03:22	02:59	02:37	02:37	02:34	02:29	02:35
6:30 PM	02:26	02:26	02:30	02:37	02:38	02:38	02:46	02:27	02:40	02:34	02:30	02:33
6:40 PM	02:34	02:27	02:23	02:37	02:29	02:44	02:54	02:34	02:34	02:27	02:28	02:38
6:50 PM	02:23	02:19	02:31	02:27	02:36	02:47	02:51	02:34	02:29	02:28	02:29	02:35
7:00 PM	02:32	02:24	02:30	02:15	02:23	02:35	02:50	02:24	02:25	02:22	02:35	02:35
7:10 PM	02:24	02:26	02:25	02:20	02:28	02:36	02:43	02:30	02:26	02:27	02:34	02:23
7:20 PM	02:17	02:21	02:27	02:30	02:26	02:41	02:43	02:29	02:26	02:34	02:32	02:22
7:30 PM	02:20	02:24	02:22	02:18	02:26	02:48	02:44	02:30	02:24	02:36	02:36	02:24
7:40 PM	02:20	02:24	02:22	02:20	02:21	02:45	02:36	02:31	02:30	02:35	02:36	02:27
7:50 PM	02:15	02:27	02:18	02:13	02:21	02:39	02:32	02:37	02:32	02:37	02:36	02:27
8:00 PM	02:20	02:24	02:22	02:12	02:22	02:38	02:31	02:34	02:33	02:34	02:27	02:28
8:10 PM	02:21	02:24	02:21	02:14	02:24	02:37	02:33	02:33	02:33	02:34	02:30	02:26
8:20 PM	02:28	02:25	02:22	02:16	02:23	02:35	02:34	02:38	02:32	02:29	02:28	02:27
8:30 PM	02:21	02:26	02:23	02:23	02:17	02:34	02:47	02:36	02:35	02:29	02:26	02:29
8:40 PM	02:17	02:24	02:24	02:16	02:16	02:34						
8:50 PM	02:18	02:24	02:22	02:16	02:16	02:32						

Traction Probe Data Heatmap

ROUTE												
Lusk Blvd EB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		03:21	03:20	03:17	03:21	03:28	03:19	03:17	03:17	03:19	03:26	03:17
5:20 AM		03:25	03:28	03:16	03:12	03:15	03:22	03:15	03:16	03:14	03:28	03:20
5:30 AM		03:53	03:26	03:26	03:21	03:26	03:30	03:14	03:24	03:22	03:35	03:40
5:40 AM		03:27	03:45	04:02	03:22	03:26	03:23	03:29	03:58	03:28	03:42	03:25
5:50 AM		03:39	03:35	03:47	03:34	03:16	03:36	03:17	03:46	03:29	03:38	03:43
6:00 AM		03:48	03:39	03:46	03:27	03:16	03:44	03:21	03:49	03:30	03:34	03:45
6:10 AM		03:48	03:47	04:02	03:26	03:17	03:49	03:29	03:26	03:29	03:42	03:43
6:20 AM		03:42	04:14	04:00	03:35	03:19	03:51	03:31	03:35	03:33	03:59	03:48
6:30 AM		03:41	03:55	03:53	03:34	03:21	03:59	03:31	03:49	03:43	04:07	03:51
6:40 AM		03:50	03:50	03:39	03:51	03:30	04:02	03:31	04:11	03:50	04:03	04:00
6:50 AM		04:30	04:10	03:49	03:59	03:35	03:58	03:32	03:53	03:43	03:59	04:04
7:00 AM		04:14	04:03	03:33	04:10	03:51	03:48	03:46	03:53	03:31	04:02	04:15
7:10 AM		04:57	03:46	03:34	03:44	03:48	03:56	04:05	03:44	03:30	03:52	03:58
7:20 AM		04:08	03:48	03:58	03:36	03:37	03:59	03:52	03:35	03:29	03:47	04:01
7:30 AM		03:50	03:43	03:50	03:55	03:42	03:33	03:43	03:38	03:58	03:44	04:36
7:40 AM		03:54	04:00	03:54	03:54	03:37	03:40	03:39	03:31	03:54	03:48	04:00
7:50 AM		03:58	03:45	03:52	03:57	03:46	03:46	03:35	03:27	03:50	04:01	03:50
8:00 AM		03:53	03:47	03:59	04:00	03:28	03:41	03:44	03:30	04:01	04:15	03:56
8:10 AM		04:12	03:58	04:14	03:55	03:42	03:55	03:50	03:46	04:02	05:00	03:51
8:20 AM		03:50	03:47	04:09	04:04	03:44	03:52	03:48	03:33	04:08	04:43	04:01
8:30 AM		03:46	04:04	04:16	04:04	03:45	04:15	03:57	03:52	04:07	04:20	04:14
8:40 AM		04:01	04:00	03:56	04:20	04:01	04:18	04:03	03:49	03:51	04:20	04:07
8:50 AM		03:55	04:07	04:11	03:53	04:05	04:16	04:27	03:51	03:54	04:30	03:57
9:00 AM		04:08	04:10	04:03	03:56	04:22	04:14	04:05	04:37	04:02	04:23	03:58
9:10 AM		04:07	04:06	03:43	04:00	04:08	04:03	04:08	04:35	04:12	04:02	04:09
9:20 AM		03:59	04:01	03:51	04:15	04:10	04:42	04:05	04:02	03:59	03:50	04:26
9:30 AM		03:41	04:07	03:48	04:24	04:07	04:09	03:54	03:57	04:17	03:57	04:05
9:40 AM		04:02	03:58	04:22	03:58	03:45	04:01	04:15	03:57	04:02	04:12	04:19
9:50 AM		03:57	04:02	04:16	04:12	03:51	04:07	03:52	04:07	04:08	04:03	03:58
10:00 AM		04:01	03:57	04:21	03:55	03:52	04:05	03:52	03:49	04:02	03:42	03:52
10:10 AM		04:01	03:45	03:50	04:00	03:54	04:05	03:56	04:04	03:55	03:34	03:43
10:20 AM		04:07	03:45	03:50	03:57	03:39	04:10	03:58	04:50	03:57	03:39	03:59
10:21 AM								03:59				
10:30 AM		03:43	03:53	03:43	03:59	03:46	04:27	03:51	04:05	03:55	03:42	03:41
10:40 AM		03:54	03:54	03:48	03:52	03:44	03:48	03:48	04:34	03:51	03:36	03:42
10:50 AM		03:44	03:49	03:40	03:40	03:37	03:43	03:53	04:00	03:40	03:41	03:47
11:00 AM		03:49	03:54	03:38	03:57	03:46	03:41	03:55	03:51	03:48	03:30	03:52
11:10 AM		03:30	04:01	03:43	03:52	03:46	03:51	04:11		03:48	03:42	03:45
11:20 AM		03:42	03:51	03:33	04:02	03:57	03:47	03:49	03:57	04:02	03:44	03:49



ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		03:45	03:43	03:31	03:48	03:56	03:46	04:01	03:39	03:49	03:47	03:55
11:40 AM		03:47	03:59	03:49	04:04	04:07	04:03	03:55	03:48	03:53	03:51	04:06
11:50 AM		03:47	03:52	04:01	04:24	04:14	04:20	03:54	04:03	03:46	04:01	04:03
12:00 PM		03:58	04:09	04:09	04:24	04:07	04:00	04:17	03:51	03:58	03:38	04:02
12:10 PM		04:04	04:17	03:57	04:24	04:03	04:08	04:18	04:50	04:05	03:56	04:06
12:20 PM		04:07	04:25	04:08	04:33	04:10	04:10	04:27	04:23	04:27	04:05	04:10
12:30 PM		04:11	04:04	03:55	04:36	04:16	04:16	04:11	04:07	04:11	04:03	04:17
12:40 PM		04:15	04:00	04:01	04:26	04:10	04:12	04:26	04:11	04:37	03:56	04:21
12:50 PM		04:14	04:14	03:59	04:28	04:01	04:22	04:29	04:05	04:21	04:13	03:59
1:00 PM		04:18	04:27	04:08	04:17	04:26	04:18	04:15	04:22	04:08	04:11	04:02
1:10 PM	04:01	04:17	04:03	04:04	04:06	04:05	04:18	04:04	04:09	04:21	03:51	04:06
1:20 PM	03:57	04:10	03:59	04:14	03:59	03:54	04:15	04:04	04:08	04:16		04:33
1:30 PM	03:45	04:05	04:05	04:03	04:14	03:56	03:52	04:20	03:59	04:20	03:51	04:31
1:40 PM	03:41	03:58	03:55	03:50	04:03	03:51	03:49	04:24	03:57	03:57	04:01	04:13
1:50 PM	03:53	04:25	03:36	03:51	04:10	04:04	03:50	03:57	04:15	03:50	03:53	04:08
2:00 PM	03:42	04:19	03:39	03:49	03:54	04:09	04:05	03:53	04:18	03:51	03:48	04:07
2:10 PM	04:06	04:13	03:56	03:47	03:59	04:14	03:57	04:09	04:13	03:49	03:46	04:11
2:20 PM	03:43	03:53	03:52	04:10	04:02	04:05	04:06	04:08	03:59	04:01	03:50	04:03
2:30 PM	03:49	04:01	04:11	03:54	04:00	03:59	03:57	03:58	04:06	04:07	03:57	04:19
2:40 PM	03:44	04:03	04:07	03:56	03:56	03:39	04:04	03:50	04:19	03:55	03:51	04:17
2:50 PM	03:38	03:58	04:19	03:54	03:54	03:57	04:03	03:58	04:42	03:54	03:48	04:09
3:00 PM	03:41	03:50	03:56	03:47	03:51	04:04	04:05	03:49	04:20	03:58	03:54	04:10
3:10 PM	03:52	03:44	03:51	04:01	03:57	04:16	04:08	03:58	04:15	03:59	03:55	03:56
3:20 PM	03:41	03:58	04:13	04:05	04:21	04:17	04:06	03:56	04:10	03:53	03:48	03:51
3:30 PM	03:43	04:02	04:10	03:49	04:08	04:13	04:07	03:55	04:04	04:06	03:55	03:42
3:40 PM	03:40	03:58	04:32	04:05	03:49	03:58	03:53	03:47	03:58	04:03	03:49	03:56
3:50 PM	03:37	03:47	04:29	04:11	04:03	04:00	03:50	03:56	04:32	03:56	04:07	03:55
4:00 PM	03:42	03:53	04:09	04:09	04:17	04:45	03:53	03:54	04:22	04:08	04:06	04:15
4:10 PM	03:51	03:59	04:16	04:10	04:10	04:28	04:02	04:16	04:15	04:01	03:54	04:14
4:20 PM	03:53	04:16	04:07	04:21	04:14	04:30	03:46	03:52	04:18	03:58	04:15	04:07
4:30 PM	03:59	04:00	04:28	03:46	03:59	04:14	03:50	03:55	04:24	03:53	03:47	04:10
4:40 PM	04:10	03:53	04:28	03:58	03:59	04:09	03:50	03:53	04:31	04:00	04:06	04:12
4:41 PM												
4:50 PM	04:03	03:49	04:09	04:03	04:05	04:10	04:02	03:55	04:34	04:04	04:03	03:58
5:00 PM	03:57	03:58	04:17	04:18	03:47	04:11	04:15	04:12	04:46	04:13	04:15	04:13
5:10 PM	03:52	04:25	04:14	04:17	03:46	04:32	04:48	04:07	04:31	04:05	04:06	04:50
5:20 PM	03:43	04:08	04:15	04:11	04:30	04:27	04:07	04:17	05:01	04:04	04:08	04:08
5:30 PM	03:45	03:40	04:02	04:38	04:05	04:41	04:14	04:22	04:49	03:50	04:36	04:31
5:40 PM	03:40	04:15	03:53	04:02	03:56	04:14	04:17	04:14	05:25	03:57	04:11	04:13
5:50 PM	03:50	03:57	04:04	04:33	04:08	04:27	04:41	04:06	05:14	03:42	04:19	04:10
6:00 PM	03:43	04:01	03:57	04:11	03:59	04:09	04:19	04:15	05:25	03:48	04:10	04:03
6:10 PM	04:01	04:03	03:59	03:51	03:55	04:08	04:23	04:14	04:41	03:47	04:11	04:14

ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	04:08	03:56	04:08	04:07	03:55	04:09	04:05	04:21	04:38	03:55	04:04	04:05
6:30 PM	04:00	03:57	03:59	03:58	03:40	04:10	03:59	04:11	04:18	03:51	03:59	04:01
6:40 PM	03:49	03:53	03:55	04:19	03:51	04:25	04:09	03:59	03:54	03:40	03:50	04:08
6:50 PM	03:42	03:56	03:54	04:08	03:43	03:47	03:46	03:53	04:00	03:39	03:51	04:07
7:00 PM	03:31	04:05	03:42	04:19	03:44	03:44	03:56	03:54	03:54	03:37	03:48	04:17
7:10 PM	03:43	04:00	03:35	04:18	03:35	03:41	03:42	03:43	04:14	03:41	03:44	04:01
7:20 PM	03:42	03:58	03:29	04:02	03:38	03:43	03:43	03:41	04:17	03:41	03:32	04:02
7:30 PM	03:40	03:47	03:31	04:00	03:35	03:46	03:33	03:49	04:06	03:47	03:28	03:47
7:40 PM	03:33	03:42	03:33	04:09	03:36	03:44	03:28	03:58	03:51	03:38	03:32	03:39
7:50 PM	03:37	03:47	03:37	03:58	03:34	03:41	03:28	03:47	03:54	03:30	03:37	03:32
8:00 PM	03:38	03:35	03:31	03:51	03:33	03:57	03:27	03:31	03:59	03:25	03:31	03:28
8:10 PM	03:41	03:18	03:31	03:45	03:26	03:52	03:29	03:31	03:47	03:34	03:44	03:22
8:20 PM	03:46	03:34	03:38	03:41	03:22	03:52	03:38	03:27	03:47	03:35	03:57	03:32
8:30 PM	03:45	03:33	03:39	03:43	03:30	03:40	03:35	03:36	03:28	03:46	03:57	03:27
8:40 PM	03:50	03:30	03:32	03:43	03:31	03:48	03:30	03:29	03:28	03:42	04:06	03:27
8:50 PM	03:55	03:31	03:36	03:41	03:31	03:51	03:34	03:23	03:24	03:41	03:56	03:36

	Traction Probe Data Heatmap											
ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	03:22	03:12	03:14	03:26	03:18	03:21	03:11	03:04	03:35	03:14	03:21	03:13
5:20 AM	03:25	03:11	03:08	03:23	03:21	03:18	03:11	03:00	03:34	03:14	03:19	03:11
5:30 AM	03:18	03:21	03:17	03:42	03:21	03:13	03:25	03:05	03:25	03:12	03:14	03:26
5:40 AM	03:32	03:55	03:27	03:45	03:26	03:15	04:00	03:13	03:26	03:16	03:20	03:46
5:50 AM	03:26	03:33	03:27	03:34	03:23	03:16	03:45	03:12	03:29	03:16	03:21	03:26
6:00 AM	03:27	03:40	03:27	03:32	03:24	03:20	03:51	03:23	03:27	03:27	03:27	04:03
6:10 AM	03:42	03:30	03:33	03:33	03:27	03:20	03:41	03:34	03:39	03:58	03:36	03:50
6:20 AM	03:26	03:24	03:24	03:32	03:24	03:22	03:40	03:31	03:40	04:00	03:30	03:46
6:30 AM		03:27	03:24	03:33	03:25	03:47	03:37	03:35	03:46	04:06	03:26	03:52
6:40 AM	03:29	03:28	03:26	03:38	03:35	03:49	03:45	03:26	03:46	04:03	03:27	03:45
6:50 AM	03:30	03:19	03:20	03:35	03:35	03:30	03:45	03:30	03:44	03:58	03:23	03:46
7:00 AM	03:44	03:27	03:27	03:53	03:44		04:12	03:37	03:45	03:56	03:35	03:42
7:10 AM	03:38	03:43	03:31	03:45	03:45	03:36	03:33	03:42	03:43	03:54	03:27	03:41
7:20 AM	03:31	03:17	03:33	03:27	03:39	03:37	04:36	03:55	04:06	03:46	03:44	03:34
7:30 AM	03:26	03:21	03:35	03:39	03:35	03:41	03:47	03:57	03:53	03:42	03:49	03:41
7:40 AM	03:43	03:33	03:31	03:33	03:49	03:33	03:48	03:51	03:47	03:40	03:48	03:41
7:50 AM	03:44	03:39	03:41	03:33	04:01	03:36	03:45	03:40	03:43	03:45	03:43	03:39
8:00 AM	04:03	03:53	03:43	03:41	03:53	03:34	03:46	03:38	03:49	03:44	03:35	04:12
8:10 AM	03:56	03:37	03:56	04:00	03:52	03:48	03:41	03:32	03:53	03:57	03:48	03:59
8:20 AM	03:52	03:50	04:01	03:52	03:56	03:53	03:49	03:42	03:50	04:12	04:00	03:52
8:30 AM	04:09	03:51	04:17	03:52	03:52	03:54	03:59	03:53	03:39	04:33	04:09	03:46
8:40 AM	03:55		03:47	03:47	04:10	03:53	03:59	03:53	03:46	04:21	03:52	03:36
8:50 AM	03:53	04:09	03:59	03:41	03:56	03:42	03:50	03:58	03:51	04:09	04:00	03:44
9:00 AM	03:54	04:19	03:49	04:03	03:51	03:34	04:01	04:12	03:52	04:03	03:32	03:58
9:10 AM	03:56	03:51	03:48	03:55	03:48	03:54	04:03	03:55	03:48	04:25	04:03	03:44
9:20 AM	03:42	03:56	03:54	03:54	04:03	03:58	04:00	04:05	03:34	03:55	04:06	03:52
9:30 AM	03:34	04:10	03:44	04:00	04:02	03:42	03:59	04:24	03:56	03:57	04:06	03:52
9:40 AM	03:48	04:03	03:58	03:53	04:24	03:50	03:59	04:04	03:44	03:44	03:57	03:49
9:50 AM	04:04	04:06	03:52	03:52	04:02	03:54	04:01	04:07	03:46	04:05	04:01	03:35
10:00 AM	03:45	03:57	03:55	03:35	03:40	04:10	04:17	04:25	03:44	04:03	03:54	04:01
10:10 AM	03:41	03:57	03:44	03:47	03:37	03:44	04:15	04:10	03:37	03:52	03:41	03:47
10:20 AM	03:57	04:03	03:46	03:40	03:34	03:46	04:02	04:00	03:36	03:54	03:39	03:32
10:21 AM							03:49	04:00	03:41	03:30	04:01	03:46
10:30 AM	03:53	03:55	03:38	03:59	03:54	04:02	03:41	04:00	03:38	03:44	03:51	03:39
10:40 AM	03:42	03:52	03:37	04:14	03:39	03:49	03:35	04:00	03:39	03:49	04:09	03:29
10:50 AM	03:55	03:40	03:32	04:23	03:47	03:36	03:38	04:13	03:39	03:37	03:54	03:40
11:00 AM	03:35	03:44	03:33	04:17		03:37	03:48	04:01	03:27	03:49	03:42	03:55
11:10 AM	03:46	03:31	03:40	04:05	03:45	03:43	03:35	03:44	03:27	03:53	03:45	03:42
11:20 AM	03:35	03:47	04:03	03:46	03:42	03:56	03:42	03:56	03:29	03:48	03:56	03:28



ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:43	03:55	03:51	03:40	03:43	03:44	03:47	04:10	03:32	03:45	04:17	03:35
11:40 AM	03:50	03:47	03:52	03:39	03:39	03:48	03:51	03:51	03:33	03:52	03:50	03:49
11:50 AM	03:35	03:50	03:52	04:04	04:06	03:44	03:45	04:03	03:33	04:03	03:47	03:50
12:00 PM	03:51	03:50	04:07	03:56	04:03	03:47	03:52	04:08	03:46	04:00	03:46	03:53
12:10 PM	03:58	03:55	03:58	04:12	03:58	03:46	04:11	04:07	03:40	03:58	03:49	03:52
12:20 PM	03:50	04:00	04:10	04:15	04:06	03:59		04:13	03:42	04:04	04:02	04:01
12:30 PM	04:10	03:57	04:21	03:57	03:52	04:08	03:49	04:37	03:28	03:53	04:07	03:52
12:40 PM	04:01	03:51	04:23	04:25	03:58	03:56	04:08	04:10	03:47	04:08	03:55	03:39
12:50 PM	04:07	04:05	03:47	04:38	04:10	03:52	04:20	04:23	03:37	04:06	03:56	03:44
1:00 PM	04:02	04:01	04:07	04:26	03:51	03:49	04:02	04:00	03:34	03:59	03:54	03:57
1:10 PM	03:56	04:08	04:13	03:58	04:20	03:49	04:21	04:10	03:42	03:49	03:48	03:46
1:20 PM	04:04	03:50	04:22	03:55	04:11	03:56	04:09	04:07	03:33	04:09	03:36	03:44
1:30 PM	03:55	03:55	04:03	03:54	04:06	03:50	04:07	03:59	03:38	04:03	03:42	03:44
1:40 PM	04:06	03:52	04:01	03:59	04:11	03:49	03:55	04:04	03:37	04:01	03:53	03:44
1:50 PM	03:50	03:54	03:55	04:04	03:51	04:05	04:02	03:50	03:37	03:52	04:03	03:50
2:00 PM	03:59	04:08	03:58	04:07	04:06	04:00	04:15	03:47	03:35	03:49	03:49	03:43
2:10 PM	04:01	03:55	04:09	03:54	03:59	04:08	04:00	04:16	03:38	03:46	03:56	03:37
2:20 PM	03:51	04:13	03:58	03:56	03:49	04:01	03:47	03:52	03:44	03:57	04:10	03:37
2:30 PM	03:45	04:22	03:59	03:47	03:40	03:52	03:43	03:49	03:42	03:52	03:57	03:55
2:40 PM	03:56	04:10	03:55	03:49	03:35	03:56	03:49	04:10	04:06	03:51	04:11	03:59
2:50 PM	04:02	04:02	03:46	03:59	03:37	04:12	04:01	03:51	03:46	03:58	04:14	03:42
3:00 PM	03:48	03:55	03:55	03:46	03:41	03:55	04:27	03:52	03:35	03:54	03:54	03:47
3:10 PM	03:42	04:09	03:55	03:59	04:16	04:07	04:19	03:52	03:37	03:50	03:54	03:37
3:20 PM	03:42	03:56	03:39	04:05	03:54	04:03	04:09	03:56	03:34	03:49	03:50	03:47
3:30 PM	03:36	03:44	03:48	04:16	03:58	03:40	04:05	04:08	03:32	03:48	03:53	03:48
3:40 PM	03:52	03:51	03:48	03:58	03:59	03:58	04:08	03:59	03:27	03:50	03:47	03:59
3:50 PM	04:13	04:24	03:55	04:10	03:48	03:41	04:08	03:59	03:30	03:55	03:36	04:09
4:00 PM	04:13	04:20	03:45	04:13	03:48	03:45	04:11	03:57	03:20	03:50	03:42	03:49
4:10 PM	03:57	04:21	04:01	04:28	03:41	03:47	04:02	03:44	03:16	03:57	03:49	03:49
4:20 PM	04:06	04:15	03:58	04:02	03:46	04:10	03:50	03:43	03:12	04:01	03:55	03:47
4:30 PM	04:20	04:09	03:59	04:01	03:44	04:04	04:12	03:57	03:23	03:59	03:45	03:48
4:40 PM	03:51	04:08	03:51	03:59	03:47	04:14	03:58	04:16	03:23	04:18	03:47	03:38
4:41 PM	03:53						04:14	04:01	03:32	04:00	03:46	03:31
4:50 PM	04:14	04:04	03:48	04:07	04:03	04:02	03:53	03:52	03:47	04:04	04:08	03:50
5:00 PM	04:07	04:07	04:01	04:05	04:16	03:54	03:42	03:54	03:52	04:06	03:56	03:46
5:10 PM	03:59	04:04	04:11	03:56	04:27	04:04	03:47	04:09	03:58	04:04	04:36	03:51
5:20 PM	04:06	04:14	03:58	04:01	04:20	04:22	03:47	04:20	04:02	04:12	03:54	04:03
5:30 PM	04:05	03:50	04:02	04:10	04:02	04:35	03:52	04:15	03:59	04:33	03:47	04:01
5:40 PM	04:01	04:09	04:01	04:13	03:51	04:23	04:01	03:52	03:43	04:11	04:02	04:05
5:50 PM	04:12	04:08	04:00	04:15	04:06	04:26	03:59	03:58	03:33	04:39	04:05	03:54
6:00 PM	03:52	04:10	03:44	04:12	03:55	04:22	03:55	03:51	03:34	04:05	04:02	03:51
6:10 PM	04:14	04:13	03:37	04:08	04:12	04:37	03:51	03:50	03:33	04:00	04:18	03:50

ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	04:17	04:12	03:55	04:30	03:48	04:11	03:59	03:38	03:42	04:27	03:49	03:56
6:30 PM	04:11	04:14	03:46	04:09	03:41	04:20	03:48	03:49	03:41	04:09	03:43	03:49
6:40 PM	03:51	03:45	03:42	04:04	03:42	04:08	03:40	03:44	03:49	03:57	03:39	03:56
6:50 PM	03:45	03:44	03:40	03:50	03:32	03:57	03:42	03:36	03:45	03:58	03:34	03:46
7:00 PM	03:38	03:54	03:36	03:46	03:37	03:53	03:37	03:39	03:43	03:45	03:37	03:50
7:10 PM	03:36	03:58	03:47	03:40	03:27	03:54	03:30	03:31	03:42	03:34	03:25	03:40
7:20 PM	03:43	03:58	03:29	03:39	03:48	03:58	03:21	03:41	03:43	03:37	03:33	03:31
7:30 PM	03:32	03:49	03:33	03:34	03:35	03:50	03:28	03:32	03:46	03:32	03:21	03:31
7:40 PM	03:45	03:38	03:35	03:29	03:35	03:41	03:38	03:27	03:47	03:28	03:25	03:33
7:50 PM	03:41	03:33	04:19	03:20	03:26	03:37	03:37	03:25	03:42	03:38	03:29	03:28
8:00 PM	03:29	03:35	04:30	03:24	03:20	03:32	03:30	03:28	03:41	03:31	03:20	03:30
8:10 PM	03:32	03:31	04:18	03:20	03:20	03:33	03:22	03:30	03:40	03:25	03:18	03:32
8:20 PM	03:31	03:36	04:02	03:17	03:22	03:24	03:16	03:30	03:42	03:30	03:25	03:34
8:30 PM	03:31	03:33	03:55	03:17	03:30	03:30	03:19	03:31	03:51	03:29	03:21	03:37
8:40 PM	03:33	03:35	03:41	03:21	03:41	03:31						
8:50 PM	03:32	03:31	03:37	03:21	03:49	03:46						

Traction Probe Data Heatmap

ROUTE Lusk Blvd WB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		03:38	03:15	03:42	03:37	03:33	03:43	03:34	03:38	03:31	03:25	03:51
5:20 AM		03:34	03:14	03:57	03:39	03:35	03:39	03:20	03:50	03:30	03:23	03:47
5:30 AM		03:37	03:13	03:59	03:41	03:32	03:37	03:22	03:54	03:44	03:15	03:56
5:40 AM		03:58	03:22	03:46	03:36	03:38	03:34	03:28	03:38	03:44	03:40	03:43
5:50 AM		03:49	03:22	03:46	03:54	03:29	03:40	03:28	03:37	03:44	03:36	03:45
6:00 AM		03:33	03:35	03:38	03:37	03:30	03:43	03:23	03:47	03:47	03:37	03:40
6:10 AM		03:34	03:26	03:33	03:36	03:30	03:49	03:20	03:35	03:32	03:36	03:39
6:20 AM		03:28	03:29	03:24	03:35	03:35	04:03	03:24	03:55	03:31	03:42	03:44
6:30 AM		03:31	03:34	03:21	03:40	03:39	03:54	03:38	03:48	03:39	03:44	03:45
6:40 AM		03:42	03:37	03:28	03:38	03:32	03:55	03:35	04:05	03:42	03:55	03:59
6:50 AM		03:54	03:25	03:51	03:45	03:34	03:48	03:31	05:17	03:31	03:49	03:48
7:00 AM		03:40	03:22	03:45	03:51	03:49	03:50	03:40	05:07	03:53	03:22	04:01
7:10 AM		03:25	03:21	03:46	03:42	03:53	03:41	03:27	04:28	03:36	03:30	03:38
7:20 AM		03:32	03:30	03:43	03:52	03:54	03:37	03:25	03:49	03:38	03:42	03:54
7:30 AM		03:47	03:27	03:38	03:43	03:59	03:26	03:34	03:48	03:28	03:37	03:39
7:40 AM		03:57	03:40	03:59	03:39	03:57	03:45	03:49	03:53	03:48	03:28	03:45
7:50 AM		04:11	03:52	03:38	03:48	03:44	03:34	03:41	03:45	03:31	03:42	03:56
8:00 AM		03:46	03:41	03:37	03:35	03:43	03:30	03:27	03:37	03:38	03:47	03:38
8:10 AM		04:00	03:48	04:21	03:33	03:48	03:50	03:48	03:35	03:33	03:42	03:36
8:20 AM		03:46	04:04	04:04	03:26	04:01	04:00	03:40	03:35	03:37	03:44	03:28
8:30 AM		03:48	04:11	03:41	03:50	04:03	03:52	03:54	03:34	03:32	03:41	
8:40 AM		04:07	03:49	03:44	04:04	03:59	03:56	04:07	04:01	03:59	03:43	03:47
8:50 AM		03:56	03:55	03:42	03:54	04:01	04:10	03:53	03:56	03:49	03:39	04:17
9:00 AM		04:02	04:05	04:01	04:04	03:45	04:05	03:37	03:56	03:45	03:49	03:55
9:10 AM		04:01	04:05	04:06	04:29	03:43	04:00	03:49	03:34	03:48	03:40	03:57
9:20 AM		04:06	04:03	03:43	04:07	03:56	03:52	03:53	03:45	03:48	03:50	04:00
9:30 AM		04:24	04:15	03:59	04:05	04:05	03:57	03:56	03:56	04:00	03:58	04:02
9:40 AM		03:53	03:50	03:54	04:13	03:55	03:33	04:16	04:10	03:34	04:04	04:02
9:50 AM		03:54	04:13	04:08	03:43	04:31	03:47	04:04	03:46	04:04	03:39	04:18
10:00 AM		03:53	04:07	04:00	03:51	04:29	03:43		03:48	03:51		03:56
10:10 AM		03:56	03:51	03:56	04:19	03:51	03:45	03:43	03:30	03:49	03:52	03:54
10:20 AM		03:29	04:03	03:45	03:52	04:06	03:52	03:53	03:40	03:40	03:49	03:56
10:21 AM								03:53				
10:30 AM		03:40	03:47	03:55	03:47	04:06	03:39	03:44	03:48	04:01	03:49	
10:40 AM		03:57	03:53	03:52	03:56	04:22	03:31	03:41	03:55	04:01	03:28	03:41
10:50 AM		03:51	03:44	03:48	03:51	04:07	03:24	03:32	03:46	03:38	03:27	03:37
11:00 AM		03:42	03:37	03:47	03:54		03:22	03:45	03:52	03:54	03:36	03:39
11:10 AM		03:30	03:32	03:54	03:47	03:49	03:29	03:46		03:48	03:35	03:36
11:20 AM		03:33	03:44	04:01	04:00	03:33	03:24	03:49	03:34	03:44	03:43	03:39

ROUTE		Lusk Blvd WB										
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		03:44	03:34	03:49	03:50	03:25	03:47	04:15	03:45	03:57	03:43	03:52
11:40 AM		03:38	03:49	04:01	03:58	03:33	03:44	03:56	03:50	03:56	03:35	03:43
11:50 AM		03:54	03:29	04:04	03:57	03:46	03:41	03:51	03:55	03:41	03:58	03:49
12:00 PM		03:51	03:41	03:49	03:49	04:28		04:07	03:53	03:38	04:01	03:48
12:10 PM		04:29	04:01	04:00	03:42	04:14	04:11	04:05	04:13	04:19	04:00	03:40
12:20 PM		04:08	04:03	04:08	04:00	04:08	03:55	04:13	04:19	04:16	03:54	03:45
12:30 PM		04:04	04:49	04:08	04:05	03:58	04:01	04:21	04:02	03:55	04:25	03:51
12:40 PM		04:07	04:11	04:08	04:06	03:43	03:51	04:09	03:52	03:57	04:11	03:57
12:50 PM		03:49	04:13	04:23	04:10	04:20	04:13	04:17	03:43	03:51	03:57	03:55
1:00 PM		03:44	03:59	04:07	04:12	04:04	03:54	03:55	04:08	03:43	04:02	03:56
1:10 PM	03:47	03:53	03:56	03:57	03:54	04:01	04:02	03:51	04:02	03:39	03:56	03:41
1:20 PM	03:43	04:04	03:54	03:58	03:45	04:07	03:48	03:40	04:04	03:52		03:49
1:30 PM	03:36	03:55	04:08	04:19	03:51	03:58	03:42	03:50	04:01	03:36	03:49	03:40
1:40 PM	03:43	03:45	04:19	03:44	03:50	03:50	03:49	04:00	04:07	03:38	03:48	03:34
1:50 PM	03:44	03:59	04:00	04:05	04:04	03:59	03:57	04:11	04:01	03:38	03:45	04:07
2:00 PM	03:41	03:45	03:57	03:48	03:43	03:53	03:36	03:54	04:01	03:42	03:40	03:42
2:10 PM	03:47	03:51	03:49	03:54	03:50	03:47	03:40	03:43	04:02	03:41	04:01	03:51
2:20 PM	03:42	03:47	03:42	04:06	03:53	03:43	03:57	03:37	03:45	03:30	03:50	03:46
2:30 PM	03:32	04:03	03:36	04:21	03:47	03:43	03:37	03:45	03:32	03:33		
2:40 PM	03:38	03:54	03:40	04:04	03:49	03:55	03:42	03:51	03:46	03:56	03:55	03:53
2:50 PM	03:50	03:39	03:29	03:56	03:48	04:02	03:46	03:40	03:42	03:58	03:51	03:50
3:00 PM	03:36	03:38	03:34	03:39		04:08	03:47	03:33	03:44	03:53	03:41	03:52
3:10 PM	03:36	03:36	03:58	03:41	03:41	03:55	03:36	03:41	03:37	03:50	03:49	03:52
3:20 PM	03:37	03:54	03:52	03:45	03:46	04:13	03:31	04:00	03:42	03:42	03:54	04:10
3:30 PM	03:38	03:41	03:47	03:41	03:55	04:10	03:27	04:02	03:40	03:28	03:51	04:17
3:40 PM	03:43	03:45	03:51	03:48	03:53	04:16	03:52	04:05	03:35	03:58	03:56	03:50
3:50 PM	03:46	03:52	03:50	03:51	03:50	04:03	03:44	04:03	03:35	03:44	04:00	03:43
4:00 PM	03:35	03:50	04:03	03:46	03:46	04:22	03:49	04:13	03:41	03:33	03:52	03:48
4:10 PM	03:37	03:59	03:51	03:35	04:08	04:18	03:58	03:54	04:03	03:58	03:42	03:54
4:20 PM	03:39	03:46	04:20	03:39	04:18	04:28	03:41	03:56	04:18	03:43	03:54	04:00
4:30 PM	03:56	03:57	04:00	03:30	04:10	04:18	03:38	03:50	04:14	03:23	03:34	04:03
4:40 PM	03:33	03:48	04:19	03:47	03:54	03:45	03:47	03:46	04:19	03:57	04:09	03:47
4:41 PM												
4:50 PM	03:56	03:43	03:54	03:43	03:49	03:45	03:31	03:52	05:05	04:11	04:07	04:16
5:00 PM	03:38	03:56	03:53	03:45	03:58	03:43	03:34	03:47	05:14	03:35	04:02	04:02
5:10 PM	03:35	03:45	04:10	04:04	03:53	03:44	03:59	03:54	04:53	03:48	03:59	04:01
5:20 PM	03:58	03:36	03:50	04:07	03:44	03:49	03:50	03:50	07:34	04:10	03:54	03:49
5:30 PM	03:50	03:39	03:55	04:04	03:40	03:40	03:50	03:46	12:40	03:49	03:46	03:55
5:40 PM	03:41	04:15	03:45	04:01	03:45	03:57	03:49	03:57	07:32	03:49	03:50	03:44
5:50 PM	03:42	03:56	04:18	03:58	03:35	03:51	03:28	03:47	12:14	03:38	03:58	03:34
6:00 PM	03:58	03:47	04:02	03:52	03:58	04:10	03:53	03:44	07:56	03:56	03:58	03:31
6:10 PM	03:46	03:44	04:02	03:41	03:44	03:37	03:44	03:36	04:08	03:36	03:56	03:39

ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	03:40	03:39	03:39	03:54	03:50	03:56	03:41	03:57	04:08	03:42	03:59	03:41
6:30 PM	03:31	03:34	03:41	03:56	03:41	03:58	03:33	03:42	05:03	03:32	03:43	03:38
6:40 PM	03:34	03:33	03:34	03:57	03:29	03:36	03:26	03:38	04:42	03:52	03:31	04:07
6:50 PM	03:35	03:25	03:40	03:57	03:42	03:47	03:54	03:44	04:06	03:39	03:30	03:17
7:00 PM	03:37	03:33	03:56	04:00	03:32	03:38	04:01	03:28	03:42	03:40	03:32	03:24
7:10 PM	03:20	03:29	03:32	03:40	03:33	03:41	03:30	03:17	03:44	03:32	03:36	03:22
7:20 PM	03:21	03:26	03:34	03:58	03:27	03:36	03:34	03:23	03:57	03:27	03:51	03:25
7:30 PM	03:31	03:44	03:31	03:51	03:31	03:26	03:35	03:20	03:54	03:21	03:46	03:22
7:40 PM	03:37	03:42	03:33	03:41	03:35	03:30	03:29	03:28	03:36	03:24	03:53	03:26
7:50 PM	03:34	03:48	03:40	03:45	03:39	03:28	03:30	03:32	03:34	03:15	03:44	03:31
8:00 PM	03:39	03:59	03:37	03:37	03:22	03:31	03:33	03:31	03:43	03:19	03:43	03:25
8:10 PM	03:36	03:54	03:33	03:37	03:25	03:39	03:59	03:36	03:39	03:24	03:44	03:33
8:20 PM	03:28	03:53	03:41	03:36	03:25	03:23	03:56	03:46	03:30	03:27	03:49	03:37
8:30 PM	03:24	03:56	03:30	03:34	03:13	03:19	03:57	03:44	03:43	03:15	03:28	03:36
8:40 PM	03:22	03:56	03:28	03:34	03:14	03:24	03:39	03:43	03:39	03:21	03:24	03:38
8:50 PM	03:24	03:58	03:29	03:36	03:16	03:26	03:30	03:41	03:46	03:26	03:22	03:42



	Traction Probe Data Heatmap											
ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	03:02	03:38	03:28	03:26	03:31	03:15	03:30	03:24	03:18	03:36	03:15	03:30
5:20 AM	03:04	03:50	03:23	03:17	03:31	03:14	03:40	03:24	03:19	03:40	03:13	03:43
5:30 AM	03:11	03:57	03:27	03:23	03:29	03:18	03:47	03:41	03:17	03:51	03:16	03:56
5:40 AM	03:14	03:42	03:24	03:31	03:22	03:27	03:30	03:37	03:27	03:49	03:28	03:34
5:50 AM	03:18	03:35	03:29	03:30	03:24	03:23	03:40	03:35	03:26	03:48	03:18	03:27
6:00 AM	03:23	03:30	03:33	03:31	03:31	03:29	04:14	03:40	03:30	04:53	03:34	03:34
6:10 AM	03:18	03:28	03:39	03:50	03:31	03:33	04:08	03:37	03:39	04:08	03:20	03:13
6:20 AM	03:29	03:28	03:38	03:35	03:32	03:26	03:53	03:29	03:38	03:59	03:20	03:17
6:30 AM		03:27	03:35	03:32	03:31	03:26	03:53	03:34	03:48	03:45	03:23	03:17
6:40 AM	03:18	03:26	03:30	03:32	03:28	03:30	03:55	03:27	03:45	03:36	03:28	03:34
6:50 AM	03:24	03:28	03:26	03:26	03:26	03:38	03:39	03:23	03:40	03:59	03:25	03:32
7:00 AM	03:26	03:33	03:24	03:35	03:31	03:53	03:42	03:19	03:41	04:03	03:27	03:32
7:10 AM	03:06	03:48	03:25	04:08	03:53	03:31	03:57	03:19	03:52	03:27	03:17	03:34
7:20 AM	03:18	03:44	03:33	03:55	03:36	03:31	03:48	03:32	03:29	03:55	03:21	03:37
7:30 AM	03:23	03:22		03:42	03:29	03:26	03:33	03:35	03:33	03:29	03:44	03:43
7:40 AM	03:36	03:28	03:37	03:33	03:33	03:25	03:52	03:32	03:43	03:34	03:41	03:56
7:50 AM	03:48	03:30	03:27	03:45	03:41	03:23	03:27	03:35	03:42	03:47	03:35	03:47
8:00 AM	03:38	03:22	03:26	03:41	03:38	03:23	03:49	03:43	03:55	03:42	04:02	03:40
8:10 AM	03:47	03:30	03:46	03:39	03:58	03:48	03:54	03:39	03:56	03:54	03:33	03:31
8:20 AM	03:53	03:44	03:47	03:45	03:34	03:48	03:44	03:46	03:43	04:08	03:42	03:24
8:30 AM	03:31	04:00		03:46	04:24	03:52		03:51	03:44	03:39	03:48	03:33
8:40 AM	03:26		03:42	04:05	03:42	03:48	03:50	03:53	03:48	03:46	04:05	03:27
8:50 AM	03:54	03:58	03:37	04:04	03:42	03:48	03:28	03:31	03:36	03:29	04:07	03:57
9:00 AM	03:50	03:56	03:57	04:03	04:00	03:40	03:54	03:44	03:33	03:26	04:14	03:44
9:10 AM	03:56	03:31	03:57	03:30	03:56	03:34	03:55	03:46	03:36	03:33	04:12	04:11
9:20 AM	03:55	03:41	03:46	03:38	03:46	03:41	03:55	03:45	03:42	03:40	04:03	03:40
9:30 AM	03:55	03:42	03:44	03:45	03:57	03:46	03:56	03:49	03:54	03:30	03:44	03:37
9:40 AM	03:52	03:49	03:43	03:46	03:51	03:41	03:53	04:01	03:53	03:36	03:54	03:38
9:50 AM	03:55	03:35	03:50	03:46	03:35	03:54	03:56	03:58	03:59	03:49	04:00	03:38
10:00 AM	03:39	03:33	04:02	03:42	04:09	03:42	03:41	03:46	03:33	03:50	04:20	03:35
10:10 AM	03:55	03:34	03:59	03:46	03:35	03:39	03:44	04:27	03:21	04:01	03:35	03:42
10:20 AM	03:44	03:57	03:41	03:54	03:22	03:33	03:48	04:30	03:20	03:23	03:42	03:25
10:21 AM							03:36	04:23	03:24	03:26	03:33	03:28
10:30 AM	03:49	03:46	03:31	03:41	04:10	03:39	04:03	04:03	03:18	03:41	03:47	03:37
10:40 AM	03:42	03:44	03:39	03:30	04:03	03:51	04:08	04:04	03:25	03:34	03:52	03:50
10:50 AM	03:35	03:37	03:47	03:50	03:55	04:00	03:46	03:59	03:41	03:46	04:09	03:40
11:00 AM	03:40	03:30	03:34	03:48		03:43	03:54	04:03	03:41	03:45	03:36	03:37
11:10 AM	03:33	03:38	03:31	03:21	03:24	03:32	03:57	03:53	03:39	03:32	03:57	03:47
11:20 AM	03:32	03:45	03:44	03:41	03:32	03:21	04:03	04:07	03:35	03:28	04:05	03:40

ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:41	03:36	03:42	03:50	03:34	03:36	03:57	03:55	03:37	03:35	04:03	03:35
11:40 AM	04:09	03:36	03:30	03:53	03:56	03:40	03:57	03:58	03:33	03:33	03:37	03:49
11:50 AM	04:12	03:46	03:35	04:08	03:47	03:46	03:54	03:58	03:39	03:48	03:38	04:19
12:00 PM	03:55	03:45	03:38	04:04	03:47	03:57	03:49	03:46	03:42	03:52	04:07	04:08
12:10 PM	03:57	04:03	03:48	04:11	04:11	03:53	04:12	03:34	03:47	03:53	03:46	04:20
12:20 PM	04:12	04:16	03:58	03:49	04:04	03:53	03:58	03:57	03:38	03:44	04:03	03:44
12:30 PM	03:40		03:53	03:52	03:47	03:57	03:46	03:46	03:47	03:51	03:54	03:39
12:40 PM	04:01	04:01	03:57	03:47	04:00	03:53	03:56	04:00	03:43	03:41	03:43	03:51
12:50 PM	03:52	04:02	03:43	03:53	04:01	03:45	04:12	04:06	03:53	03:54	03:54	04:04
1:00 PM	04:02	04:06	03:38	03:50	04:02	03:42	04:09	03:59	03:59	03:54	03:52	04:05
1:10 PM	03:44	04:08	04:12	03:38	03:59	03:41	03:50	04:05	03:43	04:10	03:49	03:49
1:20 PM	03:52	03:37	04:02	03:44	04:00	03:58	03:57	04:03	03:31	03:43	03:31	03:49
1:30 PM	04:13	03:48	03:53	03:49	04:09	03:53	04:03	03:35	03:31	03:48	03:30	03:41
1:40 PM	04:14	03:35	03:48	03:32	03:52	03:48	04:05	03:56	03:29	03:38	03:41	03:34
1:50 PM	04:08	03:47	03:38	03:25	03:38	03:59	04:08	03:40	03:34	03:46	03:37	03:56
2:00 PM	03:46	03:33	03:38	03:45	03:45	04:09	04:08	03:39	03:24	03:44	03:36	03:46
2:10 PM	04:06	03:33	03:55	03:42	03:29	04:13	03:54	03:40	03:30	04:04	03:39	03:50
2:20 PM	03:54	03:43	03:51	03:59	03:54	04:04	03:52	03:36	03:38	03:40	03:23	04:04
2:30 PM	03:48	03:56	04:04	03:46	03:32	03:56	04:01	03:56	03:33	03:33	03:39	04:01
2:40 PM	03:55	03:42	04:09	03:52	03:35	04:02	03:47	03:55	03:39	03:45	03:41	03:55
2:50 PM	03:39	03:32	03:56	03:45	03:43	03:49	03:45	03:46	03:31	03:46	03:19	03:52
3:00 PM	03:42	03:47			03:40	03:30	03:39	03:33	03:31	03:36	03:35	03:46
3:10 PM	03:39	03:35	03:38	03:32	03:59	03:49	03:32	03:49	03:34	03:37	03:50	03:43
3:20 PM	03:54	03:45	03:31	03:40	04:06	03:37	03:36	03:56	03:33	03:34	03:45	03:28
3:30 PM	03:38	03:47	03:42	03:52	03:54	03:37	04:05	03:57	03:28	03:50	03:38	03:43
3:40 PM	03:47	04:05	03:52	04:06	03:30	03:41	04:27	04:04	03:32	04:01	03:31	03:29
3:50 PM	03:37	03:56	03:44	03:48	03:23	03:52	04:04	03:42	03:47	04:01	03:35	03:35
4:00 PM	03:48	03:43	03:23	03:43	03:33	03:41	03:53	03:52	03:31	03:58	03:40	03:27
4:10 PM	03:49	03:35	03:37	04:14	03:36	03:42	03:57	03:42	03:33	03:37	03:35	03:29
4:20 PM	03:53	03:44	03:43	03:34	03:46	03:50	03:47	03:42	03:35	03:38	03:28	03:35
4:30 PM	03:47	03:46	03:44	03:37	04:03	04:01	03:55	03:29	03:36	03:37	03:37	03:41
4:40 PM	04:15	03:55	03:44	03:43	03:42	03:55	03:46	03:39	03:32	03:30	03:27	03:52
4:41 PM	04:25						03:33	03:31	03:29	03:32	03:41	03:48
4:50 PM	04:10	03:43	03:45	03:48	03:42	04:18	03:52	03:45	03:34	03:46	03:40	03:40
5:00 PM	03:43	03:53	03:30	03:39	03:36	04:37	03:49	03:33	03:29	03:41	03:59	03:39
5:10 PM	03:57	04:01	03:15	03:58	03:51	04:49	03:50	03:41	03:41	03:41	03:49	03:50
5:20 PM	04:01	03:49	03:41	04:06	03:46	05:47	03:44	03:38	03:26	03:46	03:53	03:45
5:30 PM	03:48	03:46	03:41	03:56	03:54	11:36	03:34	03:33	03:25	04:03	03:32	03:38
5:40 PM	03:50	03:48	03:45	03:54	03:36	06:23	03:39	03:35	03:29	03:48	03:26	03:31
5:50 PM	03:50	03:49	03:44	03:51	03:41	05:22	03:48	03:40	03:44	03:41	03:40	03:24
6:00 PM	03:39	03:46	03:50	03:58	03:50	04:29	03:48	03:35	03:31	03:26	03:56	03:29
6:10 PM	03:42	03:33	03:40	04:18	03:30	04:21	03:40	03:47	03:19	03:42	03:42	03:39

ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	03:34	03:30	03:37	03:48	03:21	04:03	03:42	03:38	03:29	03:43	03:51	04:01
6:30 PM	03:43	03:44	03:30	03:36	03:23	04:21	03:46	03:44	03:23	03:35	03:36	03:58
6:40 PM	03:52	03:37	03:28	03:34	03:44	03:58	03:52	03:46	03:29	03:14	03:40	03:48
6:50 PM	03:38	03:30	03:32	03:43	03:41	03:45	03:50	03:36	03:29	03:26	03:40	03:38
7:00 PM	03:37	03:27	03:29	03:41	03:41	03:52	03:36	03:30	03:30	03:27	03:39	03:33
7:10 PM	03:23	03:24	03:25	03:38	03:29	03:41	03:30	03:17	03:27	03:33	03:30	03:43
7:20 PM	03:14	03:19	03:21	03:25	03:26	03:29	03:35	03:15	03:30	03:35	03:39	03:43
7:30 PM	03:15	03:25	03:25	03:14	03:33	03:29	03:44	03:16	03:21	03:31	03:42	03:37
7:40 PM	03:17	03:21	03:18	03:20	03:31	03:27	03:24	03:21	03:20	03:26	03:40	03:27
7:50 PM	03:44	03:25	03:27	03:21	03:31	03:46	03:26	03:29	03:23	03:26	03:48	03:23
8:00 PM	03:37	03:34	03:13	03:27	03:28	03:38	03:26	03:32	03:22	03:16	03:52	03:30
8:10 PM	03:33	03:31	03:13	03:28	03:32	04:31	03:30	03:29	03:15	03:13	03:52	03:31
8:20 PM	03:25	03:30	03:25	03:28	03:28	04:29	03:26	03:24	03:26	03:14	03:52	03:29
8:30 PM	03:33	03:25	03:28	03:30	03:34	04:15	03:22	03:20	03:51	03:13	03:50	03:27
8:40 PM	03:35	03:22	03:37	03:35	03:32	04:21						
8:50 PM	03:29	03:18	03:37	03:51	03:52	04:00						



Traction Probe Data Heatmap

ROUTE Mira Mesa Blvd EB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		10:32	10:49	10:21	11:07	10:08	10:46	10:28	10:49	10:19	11:03	10:30
5:20 AM		10:35	10:53	10:22	10:50	10:16	10:32	10:33	10:50	10:25	11:03	10:29
5:30 AM		10:37	10:43	10:17	10:38	10:40	10:23	10:50	10:44	10:23	11:28	10:30
5:40 AM		11:04	10:48	11:14	10:49	10:47	11:03	11:02	11:15	10:34	11:30	10:45
5:50 AM		11:18	11:23	11:02	10:33	11:03	11:35	11:11	11:05	10:57	11:34	11:27
6:00 AM		11:03	11:15	11:15	11:21	11:41	11:44	11:34	11:20	11:09	11:57	11:53
6:10 AM		11:26	11:15	11:30	11:09	11:07	11:50	11:01	11:27	11:14	11:37	11:51
6:20 AM		10:58	11:21	11:39	11:15	11:06	11:35	11:30	11:45	11:39	12:06	12:04
6:30 AM		11:11	11:07	11:10	11:48	11:57	11:10	11:12	11:29	11:49	11:54	12:33
6:40 AM		11:42	11:21	11:12	11:26	11:31	11:15	11:04	11:21	11:13	11:48	12:00
6:50 AM		11:56	11:29	11:43	11:54	11:29	12:30	11:48	11:29	11:52	11:59	12:16
7:00 AM		11:44	11:56	12:36	12:34	11:51	12:14	11:56	12:06	12:02	12:47	12:29
7:10 AM		11:43	12:31	12:52	12:34	12:11	12:23	13:00	11:47	12:34	12:09	12:57
7:20 AM		12:09	12:28	13:11	13:03	12:39	12:45	12:40	12:35	13:14	12:59	12:56
7:30 AM		13:06	12:20	13:00	12:06	12:47	12:44	12:44	12:46	12:00	12:20	14:01
7:40 AM		12:31	12:01	13:33	12:31	12:21	12:07	12:25	12:28	12:13	12:29	13:13
7:50 AM		12:31	12:19	12:50	12:01	13:01	12:03	12:13	12:03	11:58	12:38	14:16
8:00 AM		12:09	12:27	12:26	12:26	12:07	12:21	12:09	12:18	12:05	13:08	13:53
8:10 AM		12:07	12:17	12:05	12:21	12:07	12:17	12:12	12:02	12:53	13:19	13:09
8:20 AM		12:30	12:50	12:20	12:53	12:04	12:29	12:54	12:01	13:03	13:13	12:28
8:30 AM		12:34	12:56	12:13	12:49	12:20	13:16	13:01	12:20	11:59	12:39	12:51
8:40 AM		12:39	12:11	12:18	12:16	12:45	12:59	13:02	13:21	12:43	12:53	13:20
8:50 AM		12:12	12:40	12:53	12:40	12:53	13:09	13:09	12:45	13:13	12:41	13:15
9:00 AM		12:43	12:50	12:42	13:19	13:10	12:56	13:05	13:15	12:53	12:45	12:57
9:10 AM		12:06	12:16	13:40	12:45	12:51	12:42	13:08	13:24	12:19	13:50	12:47
9:20 AM		12:57	12:18	13:27	12:46	12:51	12:04	12:39	12:18	12:35	13:20	12:18
9:30 AM		12:32	13:05	12:10	12:33	13:05	12:18	12:16	12:51	12:39	12:52	13:17
9:40 AM		13:17	12:35	12:50	12:51	12:44	13:19	12:29	13:06	13:06	12:43	13:45
9:50 AM		13:02	12:51	12:41	13:20	12:24	12:52	12:50	13:07	12:47	12:12	13:10
10:00 AM		12:49	13:04	12:56	13:15	13:28	12:37	12:36	13:10	12:48	12:47	12:43
10:10 AM		14:07	12:44	13:03	12:59	13:17	12:27	13:04	12:50	12:18	12:54	12:48
10:20 AM		13:16	12:15	13:10	13:32	12:17	12:32	12:18	12:41	12:30	12:44	13:06
10:21 AM								12:16				
10:30 AM		12:30	12:18	12:25	13:31	12:29	13:03	12:24	13:13	12:20	12:31	12:45
10:40 AM		12:19	12:07	12:28	13:21	12:01	12:33	12:40	12:26	13:00	12:28	12:38
10:50 AM		12:11	12:20	12:15	12:39	12:30	12:30	12:02	12:48	13:00	13:12	12:58
11:00 AM		12:16	12:45	12:37	13:33	12:27	12:48	12:36	13:05	13:36	12:50	12:48
11:10 AM		12:57	13:14	13:13	13:50	12:44	12:55	12:57		13:55	12:21	13:42
11:20 AM		13:20	13:03	13:28	14:12	12:38	13:23	13:30	12:44	13:12	12:48	12:58

ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		13:56	12:38	13:31	14:06	13:10	13:54	13:31	13:23	13:50	13:18	13:42
11:40 AM		13:37	14:00	13:41	15:16	13:38	13:25	14:34	13:43	14:16	14:15	13:49
11:50 AM		13:51	14:12	13:47	16:19	13:22	13:32	13:46	14:03	15:07	14:36	14:32
12:00 PM		14:18	14:26	13:57	16:07	13:30	15:43	13:39	14:11	14:56	14:20	14:33
12:10 PM		15:58	14:22	14:25	18:28	13:49	15:05	14:08	14:51	15:13	14:41	14:02
12:20 PM		14:20	14:41	14:43	21:00	13:39	14:14	14:12	14:52	15:56	14:37	14:06
12:30 PM		14:14	14:43	14:19	19:24	14:34	14:37	13:55	14:53	15:20	14:28	14:13
12:40 PM		13:52	15:06	14:42	19:36	14:54	13:59	14:18	14:22	15:38	14:16	13:51
12:50 PM		15:20	14:45	15:42	19:27	13:41	13:54	14:06	15:50	15:04	14:19	14:20
1:00 PM		14:41	14:11	14:42	19:27	13:50	14:15	14:00	14:34	14:08	14:13	14:02
1:10 PM	13:40	13:40	14:18	14:12	15:53	13:27	14:01	13:57	13:50	15:02	13:46	13:20
1:20 PM	14:01	13:38	13:47	14:54	15:46	12:51	13:54	13:37	14:41	14:49		13:27
1:30 PM	13:57	13:02	13:14	13:15	14:32	13:16	13:35	13:27	14:43	14:29	13:48	13:33
1:40 PM	13:33	12:47	13:45	13:07	14:44	14:18	13:22	13:05	14:38	15:05	14:33	13:18
1:50 PM	13:59	12:49	13:38	13:28	15:20	14:18	13:50	13:32	15:19	14:42	15:11	13:00
2:00 PM	13:07	13:47	13:51	13:30	15:08	14:06	13:26	13:16	15:42	15:09	14:14	13:45
2:10 PM	13:38	14:34	14:17	13:35	16:00	14:10	14:20	13:44	17:00	15:08	14:01	13:44
2:20 PM	13:54	14:44	15:01	14:46	16:31	14:37	14:42	14:51	17:38	16:28	14:24	15:13
2:30 PM	13:41	14:50	15:44	14:47	16:15	15:01	14:53	15:21	18:33	17:47	13:59	15:35
2:40 PM	14:14	16:52	17:21	14:59	18:06	15:25	17:15	16:54	22:03	19:33	15:33	18:07
2:50 PM	14:25	16:36	17:31	14:46	17:11	16:16	17:10	17:32	21:30	18:18	16:07	18:28
3:00 PM	13:14	16:17	16:22	14:33	17:57	15:08	15:51	17:18	19:05	18:00	14:56	15:58
3:10 PM	12:51	13:45	13:19	13:32	15:53	13:29	13:33	16:16	17:42	15:42	13:45	14:28
3:20 PM	12:11	12:55	14:21	13:14	16:04	12:58	12:50	15:19	21:08	15:02	13:52	13:24
3:30 PM	11:40	12:56	13:00	13:08	15:51	13:11	12:46	14:12	20:44	15:24	13:10	13:22
3:40 PM	13:15	14:58	14:02	14:52	16:31	14:16	14:38	14:06	23:33	17:05	14:20	13:25
3:50 PM	13:24	17:21	16:54	15:02	16:18	15:20	16:38	15:08	25:20	16:05	14:53	14:52
4:00 PM	13:27	16:36	16:08	15:33	17:45	14:31	16:44	14:40	26:31	16:03	15:57	14:37
4:10 PM	14:06	18:37	18:47	17:22	18:59	15:22	17:15	16:40	30:21	17:05	15:49	16:22
4:20 PM	14:39	20:30	20:35	19:58	25:24	16:12	17:44	19:24	37:29	18:50	18:32	18:06
4:30 PM	14:35	19:54	20:27	22:38	23:42	16:46	20:34	18:35	33:10	19:45	19:00	17:36
4:40 PM	14:50	20:24	21:26	23:04	23:43	16:14	21:12	20:27	36:11	19:57	17:31	16:53
4:41 PM												
4:50 PM	14:10	20:42	20:33	23:49	23:28	16:28	21:19	20:56	39:23	20:00	18:35	18:54
5:00 PM	13:41	21:06	22:05	20:05	20:59	16:53	20:19	20:55	34:52	18:26	18:33	18:47
5:10 PM	15:31	23:58	23:50	22:22	24:30	18:42	23:44	24:08	39:08	19:38	22:54	19:22
5:20 PM	16:54	25:44	27:18	24:50	26:47	22:20	27:56	27:37	42:11	19:26	24:50	22:37
5:30 PM	16:37	25:53	26:19	29:02	29:32	22:23	26:09	29:15	46:05	20:35	26:39	22:56
5:40 PM	17:42	24:23	26:18	26:11	27:11	21:46	27:05	26:52	43:20	20:22	26:32	24:46
5:50 PM	16:23	24:02	23:23	23:59	24:37	21:00	23:55	24:00	34:42	19:58	21:03	22:09
6:00 PM	15:12	22:31	21:26	18:54	21:42	17:52	20:48	21:14	33:20	18:20	20:28	19:48
6:10 PM	13:32	21:23	19:28	18:16	21:53	16:04	20:51	21:00	29:33	16:51	21:27	18:42

ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	12:50	20:10	19:29	17:07	22:17	15:48	19:44	19:33	28:38	15:27	18:50	17:36
6:30 PM	13:24	17:46	18:20	15:52	21:31	14:11	18:24	17:39	23:48	15:40	17:07	16:44
6:40 PM	13:23	18:13	18:24	14:59	21:33	14:28	18:44	17:10	22:56	14:11	15:20	16:22
6:50 PM	12:43	15:19	17:03	15:15	22:37	13:21	15:47	15:49	19:34	13:57	14:18	15:22
7:00 PM	12:21	14:01	15:02	13:53	18:37	13:17	14:36	15:08	16:04	13:20	12:48	14:39
7:10 PM	12:28	13:45	14:32	13:25	18:36	13:20	13:41	14:25	15:58	13:19	12:43	13:51
7:20 PM	12:10	13:29	14:00	13:18	16:25	13:06	13:40	13:10	14:24	13:10	12:54	12:54
7:30 PM	12:13	13:42	13:08	12:56	14:16	12:07	12:15	13:06	14:06	13:11	12:33	12:21
7:40 PM	11:34	12:39	12:45	12:26	13:22	11:49	11:58	12:18	12:54	12:52	12:16	11:45
7:50 PM	10:59	12:05	12:00	13:02	13:04	11:35	11:59	11:55	12:39	12:20	11:28	11:58
8:00 PM	11:28	11:46	11:57	11:58	12:04	11:51	11:26	11:56	12:08	12:20	11:38	11:55
8:10 PM	11:26	11:36	11:49	11:59	11:47	11:08	12:11	11:18	12:16	12:14	11:58	11:46
8:20 PM	11:22	11:33	11:31	11:40	11:53	11:36	11:24	11:59	12:00	12:08	11:25	11:23
8:30 PM	12:29	11:47	11:42	11:39	11:23	11:18	11:06	11:50	12:01	12:08	11:49	11:29
8:40 PM	11:23	11:24	11:24	11:54	11:25	11:40	11:06	11:39	12:07	11:47	11:36	11:20
8:50 PM	11:12	11:48	11:31	11:23	10:59	10:48	11:23	11:38	11:24	11:47	11:53	11:28

	Traction Probe Data Heatmap											
ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	10:43	10:42	10:42	10:42	10:17	10:15	10:40	10:53	10:36	10:33	10:01	10:41
5:20 AM	11:00	10:49	10:47	10:35	10:25	10:34	10:58	11:00	10:18	10:49	10:11	10:58
5:30 AM	10:43	10:55	10:48	10:41	10:27	10:40	10:51	11:06	10:11	10:54	10:14	11:00
5:40 AM	10:52	11:23	10:40	11:12	11:01	11:00	11:35	11:17	10:17	10:58	11:02	11:02
5:50 AM	11:24	10:59	10:24	11:08	11:03	11:25	12:06	11:19	10:30	10:58	11:10	10:59
6:00 AM	11:48	11:11	10:33	10:56	11:16	11:38	11:54	11:22	10:27	11:26	11:04	11:11
6:10 AM	11:21	11:23	11:16	11:43	11:19	11:03	11:56	11:21	10:20	11:38	11:30	11:53
6:20 AM	11:45	11:24	11:10	11:21	11:12	11:13	11:57	11:15	10:39	11:05	11:10	11:35
6:30 AM		11:41	11:16	11:37	11:29	11:39	12:54	11:30	10:43	11:18	10:53	11:32
6:40 AM	11:18	11:15	11:00	11:33	11:39	10:47	11:59	11:38	10:58	11:37	10:33	11:28
6:50 AM	11:59	11:19	11:32	11:53	12:01	11:25	12:27	11:27	11:09	11:59	11:13	12:06
7:00 AM	12:15	12:39	11:41	12:13	11:46	12:09	12:58	11:59	11:20	12:06	11:40	12:43
7:10 AM	13:16	12:27	13:01	13:16	12:45	11:58	13:42	11:40	10:41	11:52	12:58	12:42
7:20 AM	13:05	13:24	12:29	12:42	12:18	13:13	14:44	11:52	10:57	12:28	12:52	13:02
7:30 AM	12:29	12:43	12:35	12:37	13:18	12:33	13:57	11:48	11:11	13:14	13:15	13:05
7:40 AM	12:16	12:59	11:56	12:18	12:52	12:09	13:09	12:43	10:53	12:45	12:47	13:19
7:50 AM	12:48	12:33	12:37	12:30	13:03	12:43	12:57	12:21	11:34	12:27	12:25	12:50
8:00 AM	13:08	12:45	12:05	12:06	12:58	12:44	12:58	12:06	11:18	13:07	13:28	13:27
8:10 AM	12:49	12:39	12:26	12:09	12:34	12:58	13:21	12:12	10:48	12:29	12:36	12:35
8:20 AM	12:59	13:04	12:33	12:45	12:34	13:02	12:22	12:42	11:19	12:32	12:21	12:21
8:30 AM	12:50	12:29	12:44	12:31	12:16	12:38	12:46	12:32	11:26	12:14	13:45	12:32
8:40 AM	13:18		12:51	12:32	12:25	12:42	13:34	12:44	11:27	12:22	13:35	12:20
8:50 AM	13:02	12:59	12:41	12:31	12:31	12:48	13:26	13:05	11:48	12:17	12:44	13:16
9:00 AM	12:59	13:03	12:42	11:43	13:46	13:30	13:51	13:22	11:44	12:20	12:49	12:57
9:10 AM	12:09	12:44	12:01	12:29	13:06	12:21	13:49	12:13	11:56	12:25	12:34	12:55
9:20 AM	12:50	12:40	12:14	11:58	13:36	12:20	13:53	11:58	11:42	12:58	12:59	12:52
9:30 AM	12:49	12:44	12:20	12:46	12:51	12:04	14:23	12:26	11:43	13:10	13:20	13:05
9:40 AM	12:57	12:32	12:57	12:57	12:53	12:36	14:51	13:02	12:07	13:16	13:01	12:28
9:50 AM	13:03	12:17	12:12	13:25	13:31	12:47	14:27	12:52	12:06	12:36	13:18	12:34
10:00 AM	12:43	12:53	12:46	13:08	12:31	13:31	14:25	12:52	12:00	12:53	13:52	12:17
10:10 AM	12:21	12:31	12:25	12:48	12:37	12:26	13:27	12:35	12:12	12:18	13:24	12:28
10:20 AM	13:00	12:51	13:39	12:54	12:29	12:18	13:21	13:04	12:40	12:43	12:56	12:36
10:21 AM							13:17	12:52	13:20	12:54	12:11	12:14
10:30 AM	12:25	12:17	12:19	12:42	12:22	12:18	12:29	13:02	12:12	12:39	13:08	12:32
10:40 AM	12:22	12:46	13:10	13:21	12:30	12:24	12:49	13:07	12:10	13:14	13:17	13:04
10:50 AM	12:33	12:36	13:19	12:49	12:45	12:42	12:59	13:14	12:44	12:23	13:00	12:50
11:00 AM	12:53	12:53	12:37	13:13		13:07	13:45	13:28	12:37	12:52	13:29	13:28
11:10 AM	13:08	12:56	13:34	12:40	13:38	13:36	13:48	13:44	13:39	12:50	13:20	13:14
11:20 AM	12:51	13:26	13:12	13:17	13:25	13:04	15:21	13:56	13:32	12:56	13:15	13:57

ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	13:12	13:25	14:20	13:15	13:29	14:08	14:18	14:27	13:42	13:46	14:21	12:46
11:40 AM	13:11	13:59	14:11	13:50	13:59	13:38	14:29	15:45	13:39	13:44	15:08	13:40
11:50 AM	14:18	15:28	14:59	13:39	14:34	14:23	14:49	15:32	13:35	14:31	14:29	14:21
12:00 PM	14:20	14:47	14:44	13:52	14:32	14:50	15:29	15:00	13:51	14:01	14:30	14:48
12:10 PM	14:24	15:27	15:10	14:04	14:20	13:34	15:32	15:30	13:34	14:39	15:17	14:16
12:20 PM	14:44	14:56	14:44	14:07	14:25	14:22	15:03	15:32	14:24	14:48	14:44	14:29
12:30 PM	14:48	14:31	14:26	13:14	13:54	14:55	15:44	15:59	14:29	14:22	15:27	14:03
12:40 PM	15:45	14:43	14:44	14:09	14:01	14:58	16:24	14:53	13:28	14:09	15:11	13:37
12:50 PM	14:18	15:27	14:23	14:00	13:07	14:42	15:32	15:41	14:26	13:40	15:22	13:38
1:00 PM	14:29	14:25	14:54	13:52	14:26	14:22	15:54	14:53	13:59	13:39	14:21	13:29
1:10 PM	14:52	14:25	14:19	13:07	13:18	14:59	16:16	15:00	13:51	13:47	14:30	13:48
1:20 PM	15:37	14:26	14:58	14:05	13:48	13:55	15:34	14:12	13:58	14:08	13:42	14:01
1:30 PM	14:44	13:38	14:15	15:36	13:45	13:59	15:03	15:15	14:06	14:45	14:12	13:59
1:40 PM	14:21	13:32	14:56	15:00	13:34	15:13	14:49	14:45	14:14	13:45	14:41	13:46
1:50 PM	13:55	13:59	15:03	14:42	14:30	14:37	14:59	14:35	13:42	14:35	14:39	13:34
2:00 PM	13:38	14:21	14:49	13:33	14:42	14:57	14:42	14:32	13:38	14:07	14:26	13:50
2:10 PM	14:24	14:39	15:18	13:36	14:31	15:10	15:10	16:42	14:27	15:04	16:05	14:38
2:20 PM	14:34	15:21	16:18	12:53	15:06	16:18	16:41	17:38	14:03	14:52	16:47	15:22
2:30 PM	15:16	15:30	16:18	13:33	15:37	16:44	18:18	16:56	14:34	17:04	19:54	18:17
2:40 PM	17:20	17:23	19:26	15:20	17:14	19:16	20:25	16:39	13:33	18:07	19:28	17:46
2:50 PM	16:50	18:16	20:25	15:28	16:54	20:53	19:07	15:28	13:14	16:16	18:05	16:29
3:00 PM	16:03	16:50	21:41	14:23	16:34	20:49	15:10	14:03	12:35	14:37	16:28	14:51
3:10 PM	14:12	15:09	18:17	13:23	14:11	17:28	15:44	15:06	12:02	13:28	16:36	14:38
3:20 PM	13:54	14:50	19:03	13:03	14:36	17:35	16:02	13:49	12:16	12:52	16:01	16:33
3:30 PM	14:03	16:02	17:12	12:54	13:30	18:55	16:14	14:24	12:12	14:11	17:25	17:01
3:40 PM	14:27	17:56	16:44	14:01	14:53	20:32	16:30	14:21	13:12	15:32	18:53	16:18
3:50 PM	15:33	18:55	17:01	14:47	16:35	22:39	18:44	15:15	12:29	14:49	18:33	16:05
4:00 PM	15:15	19:29	17:56	14:37	16:58	22:38	21:07	16:25	13:48	18:08	21:37	17:30
4:10 PM	17:48	18:48	21:24	15:03	18:00	25:32	22:43	18:10	13:52	18:42	24:11	18:54
4:20 PM	20:06	20:03	23:44	18:06	17:48	27:22	21:52	17:39	13:25	19:42	24:09	19:21
4:30 PM	20:49	22:46	25:23	18:36	19:43	34:23	20:17	18:16	13:20	21:24	26:36	18:43
4:40 PM	19:29	21:14	22:02	18:36	21:00	30:42	19:08	17:30	13:24	19:31	28:16	17:36
4:41 PM	19:18						18:07	17:17	12:55	19:28	27:35	18:43
4:50 PM	20:26	22:55	22:13	18:38	21:25	29:49	19:30	18:21	14:22	24:45	30:33	20:51
5:00 PM	19:00	23:04	21:31	18:23	20:58	27:58	21:38	18:31	14:41	26:48	33:31	21:44
5:10 PM	22:05	23:20	21:59	20:53	23:08	32:44	22:23	17:35	14:25	25:50	32:02	23:09
5:20 PM	24:43	27:11	23:14	24:10	25:54	36:54	19:53	18:27	13:44	24:53	31:21	20:43
5:30 PM	24:16	26:48	24:40	23:36	26:48	37:40	16:44	16:16	12:57	21:40	30:27	19:38
5:40 PM	21:56	27:02	23:45	22:07	27:21	35:39	16:49	16:31	12:42	19:27	25:41	18:44
5:50 PM	19:07	24:41	21:26	21:43	24:14	29:41	15:28	15:37	13:12	19:35	24:06	17:55
6:00 PM	18:29	23:27	19:46	19:31	21:37	26:06	15:06	14:35	13:11	19:30	23:24	16:33
6:10 PM	17:44	21:08	18:28	17:58	18:59	24:09	14:16	14:08	12:48	19:01	22:12	15:56

ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	17:30	20:56	16:09	17:00	18:03	24:20	14:51	14:17	13:08	18:17	21:31	16:23
6:30 PM	17:04	19:17	16:24	16:16	17:21	23:15	14:13	14:27	12:41	17:08	18:14	14:17
6:40 PM	17:10	17:59	15:10	14:28	17:31	22:10	13:30	13:55	12:00	15:22	17:07	13:54
6:50 PM	16:02	16:39	15:15	13:42	16:02	20:00	14:03	14:01	12:24	13:57	17:36	14:18
7:00 PM	14:15	16:24	14:43	13:24	13:30	18:22	13:21	13:11	12:18	13:40	16:42	13:59
7:10 PM	14:36	14:33	14:25	13:42	13:33	16:57	13:27	13:11	12:04	13:00	14:26	13:12
7:20 PM	13:38	14:11	15:02	12:33	12:47	15:52	13:13	12:56	11:43	12:37	13:45	13:21
7:30 PM	13:00	13:15	14:04	11:52	12:14	15:27	12:38	12:56	11:41	12:26	12:56	12:24
7:40 PM	12:18	13:00	13:29	11:49	12:03	15:16	12:20	12:39	11:08	11:35	12:32	12:04
7:50 PM	11:57	12:19	13:26	11:26	11:39	14:01	12:07	12:40	11:12	11:50	12:25	11:33
8:00 PM	11:50	12:03	12:17	10:57	11:36	12:48	11:58	12:08	11:13	11:57	12:22	11:30
8:10 PM	11:39	11:34	13:08	11:32	11:39	12:59	12:00	11:59	11:25	11:44	12:30	12:03
8:20 PM	11:36	11:41	12:40	11:13	11:29	12:45	12:23	12:00	11:12	11:36	12:12	11:34
8:30 PM	11:41	11:54	12:53	11:35	11:41	12:30	11:46	12:01	11:00	11:25	12:14	11:25
8:40 PM	11:15	11:26	12:16	11:10	11:31	12:25						
8:50 PM	11:25	11:31	12:40	11:03	11:32	11:59						



Traction Probe Data Heatmap												
ROUTE		Mira Mesa Blvd WB										
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		10:38	10:13	10:13	10:29	10:16	10:01	10:08	09:52	09:34	10:40	10:19
5:20 AM		10:38	10:56	10:53	10:34	10:35	10:11	09:55	10:00	09:39	10:57	10:42
5:30 AM		10:16	10:57	10:55	10:37	10:27	10:15	10:13	10:20	10:11	10:46	11:02
5:40 AM		10:52	10:37	10:30	10:48	10:35	10:20	10:40	10:28	11:02	10:28	10:34
5:50 AM		10:45	10:32	10:19	10:21	10:53	10:53	10:43	10:39	11:10	10:46	10:56
6:00 AM		11:03	10:18	10:42	10:32	10:28	10:23	10:51	11:15	10:21	11:33	11:05
6:10 AM		10:51	10:34	10:51	10:49	10:23	10:46	10:37	10:45	10:32	10:12	11:30
6:20 AM		11:02	10:34	10:32	11:12	10:01	10:30	11:03	11:24	10:47	10:56	11:18
6:30 AM		10:31	10:15	10:56	11:24	10:52	10:31	10:40	10:34	10:32	10:53	11:30
6:40 AM		10:23	10:30	10:46	10:41	10:32	10:25	10:16	10:25	10:23	10:33	11:28
6:50 AM		12:09	11:22	12:19	11:15	11:00	11:38	10:46	11:23	11:17	12:10	12:31
7:00 AM		12:20		13:16	11:56	11:25	11:20	12:07	11:19	11:45	12:49	15:37
7:10 AM		13:07	12:27	13:03	12:13	12:07	12:09	12:57	12:28	12:01	12:31	17:12
7:20 AM		14:17	14:17	13:17	13:58	12:42	14:01	13:21	14:07	12:57	14:31	17:43
7:30 AM		16:14	16:48	14:30	15:01	13:31		18:24	14:33	14:18	15:04	18:35
7:40 AM		16:41	16:19	15:47	14:31	14:06	16:11	16:32	14:52	14:54	15:48	16:57
7:50 AM		18:56	17:35	19:18	16:06	15:09	16:49	16:43	15:22	14:56	17:23	16:25
8:00 AM		18:29	18:06	19:04	16:56	16:23	18:38	16:15	16:22	15:42	16:31	16:37
8:10 AM		18:04	16:37	17:57	14:45	16:17	15:18	15:32	16:52	15:08	17:39	14:36
8:20 AM		18:29	16:56	17:08	14:49	15:22	16:02	15:43	17:21	14:36	15:37	14:28
8:30 AM		17:42	19:37	19:10	20:35	16:02	16:29	16:33	16:13	14:52	15:54	16:48
8:40 AM		18:56	18:19	17:59	33:08	16:44	17:00	17:44	16:48	16:39	16:17	18:02
8:50 AM		19:46	18:24	19:28	29:34	16:06	17:00	17:50	16:07	15:12	15:24	18:11
9:00 AM		18:00	18:33	17:17	32:09	15:44	15:10	15:45	14:57	14:47	16:02	17:55
9:10 AM		15:36	15:29	15:56	35:10	13:16	14:53	15:00	14:30	13:16	14:36	17:23
9:20 AM		15:31	14:01	14:42	36:57	13:12	13:10	14:05	14:08	13:34	14:05	15:06
9:30 AM		17:06	14:31	13:16	39:03	13:23	14:18	13:00	15:52	12:28	12:57	14:06
9:40 AM		16:17	15:56	13:59	29:27	14:57	15:34	14:01	16:06	13:54	14:09	15:17
9:50 AM		16:43	15:46	14:37	31:32	15:21	16:19	14:11	16:02	13:55	15:27	14:45
10:00 AM		16:19	14:55	13:12	26:58	14:49	13:35	13:00	16:38	13:26	15:30	14:02
10:10 AM		14:20	13:25	12:58	28:06	13:25	12:23	12:53	14:49	12:23	13:37	13:05
10:20 AM		12:48	12:56	13:21	23:10	12:52	11:47	11:53	12:59	12:43	12:51	12:33
10:21 AM								11:46				
10:30 AM		12:16	12:04	12:01	21:13	11:54	11:31	12:41	12:08	12:33	12:23	11:37
10:40 AM		12:28	11:56	11:41	20:02	11:49	12:32	12:05	12:06	12:10	11:26	12:05
10:50 AM		12:04	12:17	11:54	17:17	11:48	13:41	11:42	12:28	12:03	11:49	11:34
11:00 AM		11:40	12:13	11:55	15:45	12:10	11:53	12:50	11:50	12:22	11:28	11:39
11:10 AM		12:06	12:17	12:59	13:46	12:10	12:09	11:51		12:37	11:41	12:46
11:20 AM		11:59	12:23	12:23	13:15	12:02	12:06	11:57	12:18	12:11	12:10	12:06

ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		11:47	12:15	12:21	13:27	12:40	11:38	11:55	12:53	13:27	12:06	12:22
11:40 AM		12:29	12:21	11:59	14:26	12:39	12:10	12:52	12:51	14:11	12:24	12:45
11:50 AM		12:07	12:31	12:51	13:06	12:12	12:05	12:38	12:54	13:30	13:02	13:15
12:00 PM		12:23	12:33	12:36	13:17	12:48	12:21	13:36	13:13	13:14	13:37	12:52
12:10 PM		12:49	13:00	13:09	14:01	12:38	12:23	13:35	12:47	13:23	13:29	13:05
12:20 PM		12:51	13:45	13:24	14:34	12:41	13:16	12:43	13:22	13:43	13:17	12:41
12:30 PM		13:11	13:17	13:50	14:48	13:05	13:34	12:32	13:56	14:08	13:30	12:35
12:40 PM		13:05	13:00	13:54	13:49	12:54	12:51	12:41	14:11	14:01	13:05	13:24
12:50 PM		13:03	13:18	14:11	15:00	12:48	13:37	13:16	14:24	14:04	13:01	13:09
1:00 PM		12:36	14:06	14:45	16:14	12:52	12:50	13:16	14:16	13:47	13:42	13:13
1:10 PM	13:03	12:41	13:35	12:54	14:17	12:55	13:43	12:22	13:41	12:53	13:25	12:51
1:20 PM	12:33	12:24	12:34	14:13	14:38	12:39	12:47	12:53	12:27	13:05		13:25
1:30 PM	12:37	13:04	13:12	12:25	13:56	12:56	13:26	12:34	13:22	13:44	13:30	12:05
1:40 PM	13:07	13:13	12:51	12:53	13:18	13:16	12:46	12:49	13:21	13:49	13:51	12:44
1:50 PM	12:30	12:24	12:40	12:49	14:10	13:02	12:50	13:26	14:22	13:21	13:56	13:04
2:00 PM	12:33	12:15	12:52	12:30	12:57	12:37	12:38	11:57	13:59	12:48	12:12	12:40
2:10 PM	12:17	12:47	13:24	13:08	13:13	12:28	12:23	12:21	14:28	13:31	13:17	13:04
2:20 PM	12:32	12:36	13:07	12:04	13:14	12:23	13:08	12:29	14:39	13:19	12:32	14:21
2:30 PM	12:56	13:22	13:10	12:55	12:53	13:12	13:14	13:03	13:41	13:55	13:41	13:13
2:40 PM	12:53	13:20	13:30	13:43	13:26	12:39	15:06	14:18	14:56	13:45	13:38	13:38
2:50 PM	12:49	13:39	12:38	13:30	13:42	12:42	13:30	13:01	14:55	13:19	13:47	13:17
3:00 PM	12:28	12:55	12:58	12:29	13:15	12:57	13:24	13:17	18:24	12:29	13:03	13:13
3:10 PM	12:43	12:55	12:09	12:57	12:50	13:01	12:33	12:37	16:24	13:53	14:15	13:29
3:20 PM	12:37	12:40	12:37	12:07	12:41	12:28	12:41	13:23	14:12	12:42	13:23	13:04
3:30 PM	11:56	12:38	11:58	12:50	13:04	12:10	12:06	12:43	16:23	12:25	13:15	13:10
3:40 PM	12:48	12:57	14:39	12:40	12:30	12:39	13:04	13:05	14:59	13:09	13:57	13:22
3:50 PM	12:30	13:14	13:19	13:38	12:44	13:38	12:42	12:48	14:38	12:38	13:14	12:42
4:00 PM	12:41	13:56	12:51	12:40	12:49	13:13	13:19	12:36	15:20	13:35	12:48	12:47
4:10 PM	13:14	13:41	13:32	12:51	13:31	13:33	13:02	13:01	17:10	12:54	13:43	13:22
4:20 PM	13:34	13:04	14:03	12:51	13:36	13:16	13:47	12:49	14:53	12:58	13:52	13:36
4:30 PM	13:49	13:46	13:52	13:13	14:10	13:25	13:04	13:39	16:07	13:46	13:30	14:14
4:40 PM	13:11	13:26	13:33	13:42	13:50	13:16	13:24	13:34	17:16	13:27	14:08	13:53
4:41 PM												
4:50 PM	13:08	13:52	13:59	13:45	13:37	13:18	13:14	13:42	17:56	13:35	13:37	13:29
5:00 PM	13:30	13:40	13:40	13:50	15:17	13:19	13:24	13:23	18:25	14:09	13:56	13:24
5:10 PM	13:05	13:39	14:33	13:34	14:20	13:24	13:41	13:37	18:49	13:42	14:38	14:17
5:20 PM	13:12	13:55	13:53	13:25	14:06	13:41	13:54	13:21	18:02	14:03	13:49	14:03
5:30 PM	13:54	13:53	14:51	14:33	14:37	14:24	14:06	13:56	17:26	14:37	14:55	13:57
5:40 PM	13:10	14:50	15:46	14:17	14:17	14:11	14:05	13:40	17:50	14:53	13:34	14:07
5:50 PM	13:36	13:41	14:07	14:01	14:12	14:19	14:06	14:21	19:51	14:24	13:43	13:41
6:00 PM	12:59	13:08	13:37	14:21	13:30	13:50	14:42	13:41	17:54	13:42	14:29	13:45
6:10 PM	13:17	13:40	13:53	13:33	13:17	14:36	13:55	14:19	17:04	13:27	14:01	14:32



ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	12:47	13:34	14:16	13:36	14:11	13:53	14:07	13:22	16:07	13:27	14:08	13:36
6:30 PM	12:59	13:36	13:52	13:32	13:37	13:24	14:05	13:03	15:22	13:04	13:31	13:15
6:40 PM	12:47	14:06	13:35	12:59	14:36	13:18	13:06	13:09	14:26	13:41	13:09	13:45
6:50 PM	12:31	13:26	12:50	12:47	14:10	12:32	13:11	13:10	14:09	13:20	13:10	12:47
7:00 PM	12:27	13:02	13:27	12:26	13:22	12:30	12:59	13:02	14:13	13:31	12:39	12:59
7:10 PM	11:56	12:03	12:24	12:26	13:49	12:00	12:24	12:15	13:27	12:47	11:59	12:09
7:20 PM	11:45	12:07	12:16	11:46	12:15	11:13	11:33	11:40	12:27	12:27	11:40	11:52
7:30 PM	11:29	11:31	12:24	11:56	12:10	11:24	11:56	12:04	11:30	12:05	11:00	11:51
7:40 PM	11:01	11:17	11:22	11:39	12:01	10:46	11:42	12:10	11:17	12:09	11:41	11:36
7:50 PM	10:52	11:03	11:51	11:26	11:53	11:18	11:36	12:02	11:38	11:49	11:38	11:26
8:00 PM	10:38	10:49	11:36	10:51	11:43	11:02	11:18	12:09	11:36	11:38	11:26	11:10
8:10 PM	10:50	10:37	11:34	10:41	11:21	10:50	11:08	11:40	11:18	11:42	11:10	11:24
8:20 PM	11:02	10:39	10:43	10:45	11:40	10:53	11:02	11:18	11:09	11:04	11:14	11:07
8:30 PM	10:40	10:42	10:46	11:45	11:40	10:49	11:10	11:23	11:27	11:26	11:17	11:19
8:40 PM	11:00	11:12	11:12	11:14	11:02	11:08	10:48	11:07	11:15	11:21	11:27	11:21
8:50 PM	10:44	11:19	10:39	11:02	11:09	11:13	10:53	11:52	10:52	11:17	11:59	11:30

Traction Probe Data Heatmap												
ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	10:04	10:31	10:12	09:57	10:15	11:02	10:37	10:44	10:22	09:58	10:32	10:13
5:20 AM	10:23	10:32	09:58	09:56	10:12	11:09	10:53	10:50	10:23	10:01	10:18	10:41
5:30 AM	10:09	10:36	10:18	10:19	10:39	11:03	11:01	11:16	10:09	10:13	10:31	10:41
5:40 AM	10:36	10:38	10:24	10:33	10:27	10:33	10:57	11:53	09:56	10:23	10:35	10:54
5:50 AM	10:33	10:30	10:11	10:14	10:17	10:46	11:10	12:02	09:49	10:34	10:56	10:18
6:00 AM	10:34	10:31		10:44	10:15	10:44		11:25	10:17	10:37	10:42	10:43
6:10 AM	10:43	10:24	10:32	10:46	10:32	10:40	10:56	11:19	10:14	10:09	10:26	10:53
6:20 AM	11:07	10:09	10:49	10:51	10:21	10:30	11:40	10:39	10:49	10:40	10:35	11:08
6:30 AM		10:27	10:21	10:15	10:13	10:00	11:25	10:22	10:22	10:28	10:20	11:07
6:40 AM	10:39	10:20	11:05	10:58	10:37	10:09	11:54	10:35	09:57	10:17	10:43	11:03
6:50 AM	11:09	11:13	11:40	10:42	11:11	11:18	13:00	11:08	10:37	12:00	11:37	12:45
7:00 AM	11:37	12:08	11:30	12:24	11:36	11:33	14:08	12:00	10:38	12:18	12:18	12:24
7:10 AM	12:49	13:07	13:00	13:08	13:06	11:59	14:27	11:42	11:03	13:07	13:09	13:36
7:20 AM	14:23	13:50	13:47	14:41	14:28	13:53	16:35	11:56	11:21	14:55	14:43	15:33
7:30 AM	15:51	14:19		14:09	16:09	16:21	18:16	12:28	11:42	16:49	16:29	16:42
7:40 AM	17:53	16:07	18:13	14:38	15:56	17:07	20:12	12:23	11:57	15:37	17:51	18:03
7:50 AM	19:15	19:18	16:44	18:51	17:48	18:18	19:22	13:40	12:38	17:14	19:11	23:46
8:00 AM	18:20	17:40	17:10	21:05	20:18	20:33		13:01	11:38	18:28	20:28	24:05
8:10 AM	16:31	16:49	18:57	18:49	21:23	16:38	18:38	12:52	11:21	16:29	19:56	25:08
8:20 AM	16:40	18:32	16:58	19:40	20:36	17:20	16:19	12:54	11:32	17:54	16:51	27:04
8:30 AM	18:18	18:01	17:42	17:55	20:28	20:14	18:08	13:19	11:41	18:53	20:10	23:50
8:40 AM	18:00		17:19	18:31	18:59	19:36	20:54	12:48	11:36	17:39	18:50	25:42
8:50 AM	17:54	17:40	19:17	20:20	19:55	19:14	20:39	13:13	11:20	17:21	17:02	23:58
9:00 AM	16:35	16:02	17:19	16:56	16:54	17:12	21:21	13:45	11:36	17:20	21:42	24:57
9:10 AM	16:14	14:36	14:07	17:13	15:30	15:11	20:18	13:36	11:33	14:11	21:55	21:41
9:20 AM	17:52	14:00	14:36	15:41	14:15	14:22	21:23	13:30	11:41	13:27	23:30	15:20
9:30 AM	15:05	12:47	13:43	15:33	13:18	14:08	20:29	14:20	11:32	13:18	23:21	13:06
9:40 AM	15:36	14:36	13:36	17:32	14:14	14:50	22:48	14:13	12:04	13:31	21:47	13:02
9:50 AM	18:17	15:30	14:54	17:24	16:49	15:20	20:32	14:28	12:38	13:23	20:04	14:22
10:00 AM	17:59	14:54	15:06	16:52	17:21	16:30	20:48	14:58	12:22	14:01	19:33	13:47
10:10 AM	14:41	13:38	13:51	15:46	16:55	14:37	16:56	14:08	12:00	14:00	17:01	12:55
10:20 AM	14:53	12:38	13:22	13:20	15:55	13:48	14:24	13:37	12:06	12:43	14:09	11:54
10:21 AM							13:57	13:11	13:57	12:04	13:14	11:58
10:30 AM	12:23	11:48	12:32	13:19	14:15	12:36	12:53	12:53	12:03	12:24	12:20	11:52
10:40 AM	11:17	11:58	12:14	12:07	13:21	12:12	13:16	12:36	12:48	12:16	11:52	11:47
10:50 AM	11:38	11:46	12:26	11:32	12:30	12:03	12:45	12:25	12:44	12:20	12:16	12:21
11:00 AM	11:44	12:08	12:15	11:54		12:37	12:59	13:15	12:31	11:58	12:12	12:41
11:10 AM	11:58	12:21	12:06	12:06	12:54	12:20	12:57	13:10	13:03	12:59	12:39	12:28
11:20 AM	12:01	12:29	12:38	12:20	13:19	12:40	13:29	14:11	13:17	12:59	12:15	12:19

ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	12:09	12:50	12:46	12:41	13:04	12:44	14:24	13:49	13:09	12:29	12:39	12:38
11:40 AM	13:33	13:40	12:59	12:36	13:37	12:33	13:21	14:21	13:10	12:40	13:13	13:16
11:50 AM	12:40	13:08	13:55	12:22	12:39	12:48	14:15	14:48	13:23	13:16	13:05	13:02
12:00 PM	12:51	13:46	13:28	12:58	13:03	13:39	13:12	14:10	13:23	13:27	13:33	13:59
12:10 PM	13:14	13:43	13:06	13:13	13:21	12:53	13:46	14:31	13:38	13:23	12:57	13:21
12:20 PM	13:56	13:12	13:22	12:54	12:45	13:46	14:07	14:19	14:29	13:26	13:53	14:02
12:30 PM	13:42	14:16	14:13	13:20	12:29	14:22	14:38	15:22	14:07	12:55	13:02	13:41
12:40 PM	13:44	13:55	13:31	14:58	13:22	13:11	14:32	14:36	14:25	13:10	12:57	13:24
12:50 PM	13:29	13:42	14:14	13:49	12:52	13:29	15:56	15:35	14:05	13:45	13:20	13:36
1:00 PM	13:18	14:12	14:28		13:38	14:10	14:50	15:30	15:54	13:18	13:35	13:27
1:10 PM	13:50	13:17	13:28	13:13	12:52	13:42	15:39	14:51	14:26	14:17	12:52	13:44
1:20 PM	13:40	13:39	13:29	13:21	13:18	13:44	14:39	13:45	14:01	12:38	13:16	12:57
1:30 PM	12:39	13:57	13:22	13:09	12:58	14:06	14:41	13:58	14:01	13:27	13:46	14:14
1:40 PM	12:40	13:27	14:00	14:33	12:35	14:48	14:07	13:53	13:44	13:24	12:50	12:51
1:50 PM	14:09	12:54	14:34	14:36	12:50	13:43	13:54	13:15	12:10	13:17	13:01	12:54
2:00 PM	12:06	12:58	13:17	14:12	13:25	13:39	14:07	13:21	12:41	12:50	13:24	12:37
2:10 PM	13:09	13:05	13:33	13:11	13:41	13:31	13:27	14:41	12:45	13:44	14:19	13:07
2:20 PM	12:54	13:53	13:06	13:25	12:58	13:31	13:58	13:18	13:13	13:19	13:43	14:20
2:30 PM	13:14	12:16	13:26	13:28	12:40	13:31	14:31	13:53	12:58	14:16	15:30	14:47
2:40 PM	13:37	14:46	13:37	13:28	13:30	14:47	13:59	14:04	12:37	13:48	14:30	15:21
2:50 PM	13:20	13:20	13:50	14:15	14:43	15:39	15:01	13:28	13:05	13:21	13:52	13:21
3:00 PM	13:05	13:04	13:37		13:36	15:49	13:33	13:25	12:10	13:45	12:52	13:31
3:10 PM	13:48	12:58	13:45	13:42	13:22	14:55	14:10	12:51	12:37	14:19	12:45	13:31
3:20 PM	13:20	13:14	13:31	12:45	12:56	15:14	14:07	12:51	12:55	13:07	13:09	13:52
3:30 PM	12:28	13:35	13:03	12:54	12:35	14:40	14:03	12:46	12:49	12:44	13:20	13:24
3:40 PM	13:21	12:56	13:15	13:17	13:10	15:07	13:07	13:33	12:14	14:17	14:09	13:37
3:50 PM	13:00	13:08	13:43	13:16	12:47	14:49	13:29	12:51	12:44	13:39	13:40	13:33
4:00 PM	13:26	12:37	13:26	13:20	12:39	15:13	13:27	12:59	12:09	12:54	13:35	13:21
4:10 PM	13:53	13:10	13:08	13:47	13:10	15:10	13:47	13:22	12:47	13:07	13:49	14:04
4:20 PM	14:13	13:55	13:18	13:46	12:57	15:12	14:37	13:31	12:38	13:07	14:18	13:41
4:30 PM	13:40	13:29	13:57	14:11	13:21	14:15	14:08	13:58	12:32	12:27	13:56	13:20
4:40 PM	14:06	13:13	13:38	14:31	14:02	15:45	14:27	13:22	13:03	13:24	14:18	13:18
4:41 PM	13:49						13:33	14:36	13:44	13:11	13:36	14:05
4:50 PM	14:23	13:34	14:47	13:36	13:56	15:46	14:21	15:17	13:22	14:13	14:34	13:45
5:00 PM	14:00	13:41	13:42	13:54	14:24	16:24	14:00	14:43	13:17	14:48	14:44	15:27
5:10 PM	14:03	13:45	14:52	14:28	14:02	17:07	13:55	14:58	13:14	14:18	14:49	13:52
5:20 PM	14:47	13:49	14:36	14:41	13:12	17:34	14:19	15:03	12:23	13:36	14:53	14:11
5:30 PM	13:55	14:24	13:36	13:54	13:30	15:57	13:44	13:10	12:32	13:47	14:19	13:55
5:40 PM	14:14	14:16	13:53	13:21	13:59	16:29	13:41	13:19	13:15	13:29	13:58	13:40
5:50 PM	14:22	13:34	14:22	14:13	14:04	16:06	14:59	14:09	12:43	14:07	14:44	14:02
6:00 PM	13:51	13:48	13:51	13:32	14:03	15:49	14:02	13:46	13:14	13:59	13:48	13:44
6:10 PM	14:21	13:49	13:45	14:03	13:54	16:21	14:16	13:21	13:07	13:19	13:13	13:19

ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	14:27	14:18	13:37	13:37	14:17	15:37	13:48	13:29	12:56	13:42	13:44	14:27
6:30 PM	13:12	13:48	14:46	13:42	13:41	16:59	12:44	13:19	12:34	12:50	13:44	13:50
6:40 PM	13:32	13:56	13:46	13:27	14:03	15:31	12:53	12:59	12:40	12:52	13:53	13:26
6:50 PM	12:59	12:59	13:19	13:19	13:29	14:38	12:47	12:06	11:40	12:49	12:54	13:20
7:00 PM	13:00	14:15	13:26	12:53	12:14	13:27	12:29	12:36	11:42	11:46	12:41	11:32
7:10 PM	12:54	12:46	13:02	12:00	12:01	14:59	11:47	12:28	11:23	11:58	12:00	11:26
7:20 PM	11:52	12:18	12:36	11:31	11:49	14:51	12:17	11:58	10:52	11:09	11:38	11:52
7:30 PM	12:27	11:42	12:39	11:45	11:29	13:21	12:01	12:12	11:12	10:43	12:02	11:52
7:40 PM	11:48	11:19	12:20	11:20	11:23	13:01	11:43	11:48	11:16	11:25	11:29	11:50
7:50 PM	11:37	11:40	12:16	11:18	11:06	12:13	12:39	10:59	11:14	11:04	11:58	11:52
8:00 PM	11:05	11:46	12:00	11:32	11:25	12:39	11:34	11:17	11:15	11:14	12:01	11:31
8:10 PM	11:24	11:31	11:40	11:16	12:15	11:46	11:44	11:32	11:10	11:14	11:38	11:20
8:20 PM	11:28	11:45	11:30	10:57	11:31	11:25	11:53	10:54	11:03	10:50	11:30	10:55
8:30 PM	11:12	12:14	11:34	11:07	11:15	11:47	11:36	11:24	10:40	11:13	11:35	11:22
8:40 PM	11:09	10:59	11:41	11:22	11:33	11:15						
8:50 PM	11:19	10:35	11:04	10:56	11:26	11:20						

Traction Probe Data Heatmap												
ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:03	07:23	07:09	06:50	07:08	06:51	07:00	07:13	07:00	07:20	07:03
5:20 AM		07:01	07:05	07:19	07:02	07:10	07:07	07:09	07:21	06:57	07:14	07:09
5:30 AM		07:14	06:59	07:11	07:08	07:19	06:58	07:41	07:06	07:11	07:07	07:07
5:40 AM		07:08	07:08	07:28	07:11	07:34	07:14	07:45	07:09	07:09	07:44	07:41
5:50 AM		07:26	07:41	07:27	07:44	07:56	07:16	07:41	07:37	07:14	07:47	07:54
6:00 AM		08:04	07:23	07:25	07:36	08:00	07:21	07:13	08:27	07:21	07:30	08:06
6:10 AM		08:34	07:25	07:41	07:37	07:46	08:08	07:28	08:09	07:53	07:53	08:00
6:20 AM		07:59	08:05	07:51	08:04	07:52	08:12	07:54	08:05	08:03	07:52	08:28
6:30 AM		07:44	07:40	07:26	08:26	08:06	07:55	08:06	07:55	07:59	07:59	08:28
6:40 AM		07:48	07:31	07:55	07:52	08:11	08:07	07:25	07:31	07:52	07:43	08:41
6:50 AM		08:31	08:20	08:07	07:53	07:54	07:53	07:51	07:39	07:50	08:01	08:22
7:00 AM		08:04	07:40	07:44	07:57	08:03	08:05	07:45	07:15	07:51	08:04	08:37
7:10 AM		08:01	07:47	08:16	07:53	07:38	08:08	08:05	07:38	08:01	07:53	07:53
7:20 AM		07:49	07:59	07:50	07:57	07:51	08:20	08:08	07:35	08:02	08:33	08:11
7:30 AM		07:48	07:52	07:41	07:56	08:18	07:58	08:02	08:00	07:56	07:57	07:51
7:40 AM		08:09	07:55	07:58	08:20	07:39	08:22	08:04	08:28	08:15	08:22	08:35
7:50 AM		07:46	08:28	07:55	08:06	08:05	08:12	08:40	08:08	07:56	08:12	08:03
8:00 AM		08:15	08:49	07:57	08:23	07:39	08:10	07:51	08:26	08:36	09:00	08:57
8:10 AM		08:23	08:22	07:51	08:13	08:16	08:25	07:48	08:13	08:27	09:16	08:28
8:20 AM		08:26	08:55	08:28	08:04	08:21	08:16	07:48	07:50	08:22	08:31	08:00
8:30 AM		07:54	08:14	07:44	07:55	08:17	07:58	08:18	07:40	08:16	08:41	08:18
8:40 AM		07:52	08:31	08:10	08:05	08:05	08:48	08:09	07:50	08:01	08:22	08:15
8:50 AM		07:45	08:08	08:11	08:03	08:00	08:43	07:58	08:00	08:15	08:23	08:22
9:00 AM		07:41	08:07	07:59	07:56	08:05	08:12	07:51	08:15	08:09	08:02	09:02
9:10 AM		09:02	08:15	08:09	08:02	08:18	08:08	08:09	08:20	07:58	08:04	08:15
9:20 AM		08:17	08:07	08:07	08:22	08:20	07:41	08:31	08:10	08:30	08:01	08:19
9:30 AM		07:48	07:48	08:03	07:53	08:35		08:33	07:53	08:14	08:10	07:58
9:40 AM		07:25	07:58	08:05	08:10	08:19	08:27	07:55	08:24	09:04	08:20	08:23
9:50 AM		07:56	08:04	08:19	08:05	08:04	08:29	07:44	08:34	08:47	08:08	07:59
10:00 AM		08:05	08:17	08:04	08:06	08:00	08:23	07:56	08:06	08:00		08:32
10:10 AM		08:07	08:12	08:05	08:04	08:10	08:00	08:17	08:10	08:23	08:14	08:09
10:20 AM		08:35	07:53	07:54	07:51	08:29	08:39	08:01	08:40	08:07	08:21	08:06
10:21 AM								07:56				
10:30 AM		07:57	08:21	09:03	08:29	07:57	08:20	08:35	08:12	08:51		07:55
10:40 AM		08:52	08:14	08:27	08:18	08:15	09:13	08:20	08:09	08:30	08:09	07:47
10:50 AM		08:41	07:56	08:18	08:29	08:06	08:26	08:18	08:31	08:53	08:37	08:14
11:00 AM		08:21	07:59	08:07	08:22		08:50	08:18	08:15	08:23	08:37	08:25
11:10 AM		08:19	08:03	08:06	08:24	08:20	08:37	07:50		08:30	08:22	08:24
11:20 AM		08:14	08:15	08:09	08:29	08:18	08:28	08:26	08:08	08:26	08:29	08:14



ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		07:58	08:14	07:57	08:26	08:06	08:34	08:37	07:57	08:02	08:09	07:54
11:40 AM		08:26	08:12	08:06	08:00	08:44	08:12	08:20	08:28	08:50	08:14	08:16
11:50 AM		08:50	08:15	08:13	08:24	08:13	08:17	09:14	09:09	08:33	08:52	09:06
12:00 PM		07:52	09:12	07:57	08:58	08:33		08:51	08:09	08:43	08:41	09:10
12:10 PM		08:09	08:09	08:12	08:19	08:27	09:02	08:11	08:17	08:42	08:59	08:12
12:20 PM		08:07	08:05	08:22	08:47	08:13	08:03	08:25	08:32	09:13	09:00	08:24
12:30 PM		08:26	08:46	08:39	08:30	08:28	08:18	08:07	08:31	08:57	08:18	08:45
12:40 PM		08:30	09:15	08:20	08:42	08:03	08:41	08:33	08:44	08:42	08:01	08:22
12:50 PM		08:41	08:03	08:19	09:07	08:07	08:39	08:03	08:49	08:34	08:11	08:41
1:00 PM		08:21	08:14	08:30	08:12	08:30	08:41	08:36	08:22	09:02	08:15	08:40
1:10 PM	08:08	08:37	08:30	08:24	09:10	08:37	08:03	08:09	08:19	09:09	08:00	08:20
1:20 PM	08:13	08:11	08:06	08:45	08:29	07:49	08:08	08:28	08:07	09:03		08:46
1:30 PM	07:45	08:03	08:03	08:01	08:17	08:06	07:51	08:14	08:17	08:14	08:06	08:14
1:40 PM	08:15	07:58	08:36	08:01	08:42	08:04	08:14	09:08	09:02	08:31	09:08	08:27
1:50 PM	08:00	07:57	08:27	07:56	09:24	08:37	08:41	08:18	10:00	08:37	08:45	08:17
2:00 PM	08:06	08:29	08:37	08:46	08:42	08:39	08:16	08:10	11:19	08:33	08:25	08:27
2:10 PM	08:08	08:09	08:38	08:17	08:35	08:22	08:10	08:09	12:20	08:19	08:02	08:16
2:20 PM	07:58	08:17	08:32	08:25	08:51	08:07	08:05	08:26	13:24	08:24	07:51	08:10
2:30 PM	07:38	07:27	08:03	07:59	09:28	07:49	07:53	08:30	15:27	08:25	07:34	07:55
2:40 PM	09:43	10:24	10:25	10:50	11:48	09:24	10:09	09:58	20:52	11:41	09:35	10:21
2:50 PM	10:10	11:37	13:25	14:00	13:51	11:03	12:06	11:37	25:27	15:38	10:45	11:01
3:00 PM	08:13	10:55	12:19	11:55	12:44	10:54	10:22	10:20	24:46	12:39	08:54	10:05
3:10 PM	07:52	11:31	11:49	11:39	11:03	11:08	09:34	11:30	30:41	13:26	08:55	09:40
3:20 PM	07:57	14:57	12:23	10:49	11:18	11:26	13:14	11:41	28:05	11:54	09:51	09:24
3:30 PM	07:58	13:29	10:40	10:22	11:33	10:43	13:12	12:12	29:59	13:06	09:29	09:11
3:40 PM	09:51	15:18	11:55	11:18	13:59	10:26	13:07	11:02	34:15	11:25	09:48	09:42
3:50 PM	10:42	17:47	14:16	15:39	14:37	12:04	14:55	12:17	44:01	12:51	11:15	10:03
4:00 PM	09:01	13:30	13:02	13:58	16:47	10:59	13:21	13:08	45:58	13:11	12:28	08:31
4:10 PM	09:39	13:43	13:01	14:20	15:40	10:51	15:32	12:57	43:53	12:58	12:32	10:56
4:20 PM	08:48	17:25	15:53	14:50	16:27	10:58	16:15	15:02	44:27	13:32	13:40	12:58
4:30 PM	07:18	14:15	16:40	12:59	19:44	12:25	16:04	15:34	48:24	13:29	11:27	11:39
4:40 PM	08:50	15:02	17:02	14:22	19:04	14:02	15:38	15:14	48:09	11:13	12:18	11:50
4:41 PM												
4:50 PM	07:46	17:33	17:39	15:28	19:37	13:11	17:44	17:07	50:07	10:49	12:53	11:34
5:00 PM	08:01	16:33	20:16	14:01	18:15	11:37	20:32	17:15	46:08	10:06	12:39	13:01
5:10 PM	08:28	18:13	18:54	14:58	18:38	13:13	21:26	20:11	46:12	12:25	14:47	15:31
5:20 PM	09:00	20:17	20:01	13:55	17:29	13:35	21:30	21:53	52:02	13:15	17:59	17:25
5:30 PM	08:19	17:30	16:42	13:38	18:41	12:07	19:27	21:27	50:40	13:16	17:08	14:46
5:40 PM	07:36	15:40	16:32	13:35	17:48	09:35	18:33	17:25	47:37	09:46	15:57	10:58
5:50 PM	07:21	15:13	17:22	13:33	17:13	08:35	18:30	14:40	50:06	09:12	13:17	10:43
6:00 PM	07:47	12:49	17:27	11:54	16:23	07:59	16:06	14:07	50:22	08:58	11:13	09:51
6:10 PM	07:47	11:49	15:46	10:36	14:51	09:06	16:14	13:15	48:33	08:59	10:25	08:28

ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	07:02	08:17	15:55	08:51	10:51	07:33	12:11	13:39	43:07	07:30	09:32	07:50
6:30 PM	07:00	07:44	14:03	08:17	09:32	07:32	10:24	09:59	33:46	07:36	08:01	07:31
6:40 PM	07:05	07:16	11:06	07:30	07:51	06:46	08:39	08:14	35:06	07:36	07:34	07:36
6:50 PM	07:12	07:34	10:44	08:27	08:11	07:22	07:42	07:40	29:41	07:27	07:24	07:22
7:00 PM	07:05	07:14	07:45	07:12	07:08	06:57	07:29	07:18	22:30	07:17	07:33	07:03
7:10 PM	07:05	07:44	07:37	07:55	07:48	07:08	07:32	07:58	19:41	07:52	07:44	07:26
7:20 PM	07:00	07:20	07:30	07:15	07:50	07:12	07:35	07:19	14:08	07:23	07:32	07:22
7:30 PM	07:13	07:37	07:17	07:25	07:25	07:08	07:26	07:16	09:51	07:30	07:24	07:22
7:40 PM	07:22	07:08	07:20	07:27	07:37	07:04	07:13	07:08	07:43	07:18	07:25	07:02
7:50 PM	06:57	07:06	07:48	07:02	07:12	07:08	07:08	07:04	07:29	07:04	07:35	07:00
8:00 PM	06:53	06:59	07:20	07:12	07:19	07:08	07:14	06:49	07:19	07:26	07:24	07:12
8:10 PM	06:56	07:07	07:20	06:58	07:08	06:53	07:12	07:02	07:02	07:18	07:27	07:06
8:20 PM	07:12	06:46	07:12	07:17	07:16	07:11	07:39	06:56	07:04	07:00	07:32	07:14
8:30 PM	07:12	06:49	07:04	07:10	07:25	07:12	07:16	07:02	07:15	07:09	07:26	07:08
8:40 PM	07:09	07:13	06:59	07:16	07:34	06:38	06:54	06:58	07:06	07:03	07:21	07:03
8:50 PM	07:02	07:23	07:03	06:53	07:17	06:51	06:58	06:52	07:06	07:09	07:00	07:02

Traction Probe Data Heatmap												
ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:00	07:08	07:02	06:47	07:08	06:52	07:09	07:05	06:51	07:00	06:55	07:39
5:20 AM	06:57	07:07	07:24	06:53	06:57	06:54	07:29	07:11	07:05	07:04	07:05	07:49
5:30 AM	06:57	07:29	07:11	06:54	07:15	07:06	07:44	07:17	07:11	07:05	07:21	07:37
5:40 AM	07:02	07:02	07:13	07:13	07:35	07:20	07:50	07:26	07:24	07:16	07:29	07:19
5:50 AM	07:03	07:16	07:37	07:09	07:23	07:38	08:13	07:26	07:01	07:10	07:45	07:31
6:00 AM	07:25	07:38		07:10	07:12	07:23	08:33	07:57	07:21	07:28	07:46	07:25
6:10 AM	07:39	07:45	08:16	07:27	07:46	07:27	08:09	07:46	07:17	07:42	08:02	07:30
6:20 AM	07:51	07:51	07:58	07:53	07:41	07:48	08:14	08:02	07:17	08:00	08:03	07:49
6:30 AM		07:30	07:42	07:47	07:40	08:03	08:17	08:18	07:30	08:20	07:59	07:36
6:40 AM	07:45	07:27	07:44	07:15	08:01	08:09	08:12	07:39	07:22	08:10	07:28	07:35
6:50 AM	08:10	07:58	07:46	07:40	07:59	08:23	08:27	08:02	07:39	08:07	08:16	07:55
7:00 AM	08:11	07:27	07:47	07:54	07:42	08:08	08:33	07:29	07:46	08:08	07:58	07:43
7:10 AM	08:05	07:46	08:02	07:43	08:01	08:03	08:33	07:38	07:41	08:35	08:16	07:50
7:20 AM	08:09	07:54	08:04	07:57	08:36	08:09	08:12	07:47	07:48	08:18	08:21	07:56
7:30 AM	07:57	08:09	07:58	08:33	08:25	07:59	08:41	07:29	07:45	07:54	07:56	07:56
7:40 AM	07:38	08:10	08:43	08:35	08:48	08:13	08:44	07:40	07:40	08:06	08:14	08:14
7:50 AM	08:22	07:41	08:21	08:11	07:53	07:59	08:19	07:59	08:05	08:20	08:14	08:07
8:00 AM	08:05	07:37	07:44	08:26	08:07	07:40		07:56	07:47	07:57	08:42	07:45
8:10 AM	08:35	08:16	07:50	08:03	08:03	08:03	08:32	08:00	07:54	07:50	08:27	08:02
8:20 AM	08:05	08:40	08:03	08:01	08:15	07:57	08:39	08:01	07:33	08:02	08:16	07:59
8:30 AM	08:02	08:04	08:10	08:27	07:52	08:13		08:01	07:49	07:55	08:17	08:02
8:40 AM	08:28		08:14	08:17	08:16	08:05	08:25	08:08	07:47	08:12	08:22	08:14
8:50 AM	07:37	08:16	07:29	08:12	08:03	08:05	08:30	07:53	07:40	07:56	08:38	07:55
9:00 AM	07:54	07:44	08:06	07:49	08:22	07:48	09:10	08:09	07:48	07:42	08:20	07:51
9:10 AM	08:06	08:00	08:27	08:21	08:33	08:15	09:33	08:10	07:59	07:53	08:41	08:44
9:20 AM	08:37	07:59	07:52	08:02	08:34	08:28	09:10	08:30	08:16	07:36	08:35	08:20
9:30 AM	08:10	08:04	07:56	08:04	08:36	08:20	09:19	08:12	08:05	07:55	08:49	08:04
9:40 AM	07:52	08:28	07:54	07:46	08:26	08:04	09:05	08:15	07:57	08:04	08:38	08:31
9:50 AM	08:14	07:45	07:49	07:53	08:13	08:04	08:59	08:19	07:40	08:29	08:14	08:41
10:00 AM	08:24	08:11	07:56	07:54	08:05	07:53	09:04	08:26	07:43	08:15	08:21	07:51
10:10 AM	08:09	08:13	07:50	08:27	07:59	07:55	08:47	08:13	08:12	08:25	08:05	08:24
10:20 AM	07:55	08:27	07:55	08:23	08:07	07:52	08:31	08:09	07:55	08:48	08:30	07:48
10:21 AM							09:07	08:23	07:54	08:11	08:07	07:54
10:30 AM	08:04	08:39	07:57	08:11	08:10	08:09	08:38	08:07	08:05	08:11	08:14	08:14
10:40 AM	08:13	08:25	08:13	08:30	08:02	08:05	08:43	08:20	08:25	08:50	08:09	08:20
10:50 AM	08:11	08:13	08:15	08:03	08:04	08:05	09:25	08:14	07:51	08:21	07:49	08:20
11:00 AM	08:09	08:22	08:09	07:48		08:15	08:18	08:13	08:02	08:30	07:55	08:10
11:10 AM	08:09	08:51	08:36	08:18	08:12	08:17	08:59	08:18	08:30	08:46	08:13	08:02
11:20 AM	08:12	08:28	08:16	07:57	08:19	08:06	08:49	08:22	08:18	08:05	08:00	07:53



ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:02	08:07	08:16	08:23	08:01	08:07	08:54	08:37	08:12	08:28	08:40	08:28
11:40 AM	08:33	08:14	08:39	08:08	08:17	08:14	08:54	08:53	08:28	08:29	08:15	08:28
11:50 AM	08:39	08:19	08:35	08:33	08:42	08:26		08:20	07:52	08:00	08:19	08:54
12:00 PM	08:27	08:31	08:34	08:04	08:24	08:11	08:53	08:39	08:15	08:08	08:34	08:40
12:10 PM	08:18	08:31	08:13	08:18	08:18	08:04	08:42	08:53	08:17	08:21	08:21	08:29
12:20 PM	08:17	08:20	08:48	08:06	08:25	08:22	08:45	08:35	08:14	08:39	08:26	08:24
12:30 PM	08:34	08:09	08:34	08:51	07:56	08:52	09:14	08:17	08:11	08:56	08:57	09:12
12:40 PM	08:40	08:52	08:37	08:25	08:20	08:39	08:51	08:25	08:04	08:17	08:13	08:28
12:50 PM	08:24	08:28	08:46	08:34	08:30	08:20	09:03	08:21	08:08	08:03	08:31	08:31
1:00 PM	08:12	08:46	08:31	08:08	08:02	08:01	09:05	08:42	08:47	09:30	08:13	08:56
1:10 PM	08:33	08:32	08:40	08:17	08:18	08:52	09:19	08:53	08:33	09:11	09:02	08:50
1:20 PM	08:20	08:03	08:28	08:11	08:23	08:48	08:52	08:27	08:21	08:28	08:44	08:22
1:30 PM	09:15	08:09	08:20	08:23	08:27	08:49	09:12	08:13	08:05	08:22	08:20	08:44
1:40 PM	08:23	08:25	09:47	08:35	08:23	08:39	08:57	08:52	08:29	08:27	09:26	08:32
1:50 PM	08:23	08:38	09:16	08:00	08:39	08:48	08:31	08:27	08:00	08:30	09:06	08:29
2:00 PM	08:11	08:43	08:46	08:16	08:41	09:30	09:46	08:30	08:07	08:34	08:53	07:47
2:10 PM	08:45	08:34	08:49	08:19	08:38	09:40	09:07	08:38	07:41	08:03	10:39	08:32
2:20 PM	08:29	09:22	09:37	08:13	08:27	09:16	09:03	08:23	07:32	07:48	10:05	08:11
2:30 PM	08:17	08:33	10:09	07:53	08:52	09:49	13:08	11:13	08:59	10:36	11:27	11:41
2:40 PM	11:17	10:39	11:14	10:38	10:29	14:07	13:36	12:37	09:34	13:40	12:42	12:32
2:50 PM	10:47	12:43	13:57	11:41	13:12	16:16	11:18	12:22	08:03	12:07	11:10	12:35
3:00 PM	10:29		13:47	11:19	11:44	16:35	11:13	12:18	07:49	11:28	12:00	13:38
3:10 PM	10:45	11:10	14:59	10:41	11:19	19:26	12:39	12:00	07:56	12:35	13:31	15:06
3:20 PM	12:32	11:35	13:53	11:58	11:37	21:39	12:07	10:21	08:19	11:29	14:43	14:10
3:30 PM	11:17	11:47	13:06	11:22	12:04	26:48	13:01	10:51	09:00	13:50	16:22	13:25
3:40 PM	11:59	12:06	14:35	10:45	12:40	29:06	13:24	10:09	07:53	13:10	15:04	13:17
3:50 PM	14:02	14:08	16:55	13:44	15:03	23:58	11:22	10:58	07:53	13:07	14:12	11:34
4:00 PM	12:00	14:11	18:13	13:50	13:24	25:27	11:59	11:18	08:20	12:41	18:27	11:53
4:10 PM	11:42	15:24	15:48	14:45	12:40	29:45	13:03	11:37	07:45	13:59	18:41	15:27
4:20 PM	13:02	15:24	16:29	14:56	15:36	32:16	11:45	09:33	07:32	15:24	15:40	12:38
4:30 PM	13:03	17:35	17:47	14:12	14:48	28:13	11:31	08:53	08:13	14:20	15:22	14:23
4:40 PM	15:15	20:04	17:44	16:40	14:05	36:21	11:19	09:10	08:12	16:19	17:12	15:14
4:41 PM	14:46						08:29	08:25	07:05	18:38	21:00	12:14
4:50 PM	16:49	19:57	16:56	15:29	15:14	34:32	09:52	09:09	08:14	21:20	17:16	14:30
5:00 PM	18:05	22:22	15:27	16:58	14:41	37:03	09:28	09:37	08:16	23:51	16:49	14:32
5:10 PM	16:36	20:34	17:09	19:02	16:48	35:29	08:20	09:47	08:28	23:07	16:57	15:21
5:20 PM	17:41	20:53	19:52	18:53	20:59	41:04	08:04	08:18	07:31	18:04	13:13	12:41
5:30 PM	18:00	24:05	18:33	18:25	19:55	38:39	08:10	07:44	07:05	14:58	11:09	13:11
5:40 PM	17:37	19:26	13:21	16:34	17:57	33:49	08:31	08:01	08:01	12:28	09:00	12:05
5:50 PM	15:29	16:33	09:37	13:26	14:38	34:43	08:02	08:35	07:29	13:19	09:01	11:02
6:00 PM	13:35	16:29	08:19	11:56	12:27	27:36	07:37	07:28	07:46	12:18	10:27	09:09
6:10 PM	14:04	15:16	09:40	10:34	11:46	23:52	07:35	07:15	07:42	10:12	10:26	08:26

ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	11:38	17:28	09:30	09:26	10:05	20:41	07:01	07:43	07:33	08:07	08:14	07:43
6:30 PM	09:28	16:30	08:39	07:29	09:16	19:34	06:57	07:50	07:14	08:17	07:38	07:21
6:40 PM	07:58	12:29	08:04	07:42	08:04	17:29	07:05	07:13	07:14	07:12	07:55	07:24
6:50 PM	07:36	10:40	08:00	07:48	07:30	16:37	07:35	07:39	07:22	07:35	08:11	08:26
7:00 PM	07:02	09:20	07:15	06:57	07:20	16:57	07:26	07:23	07:14	07:34	07:37	07:32
7:10 PM	07:39	09:02	07:17	07:36	07:46	17:05	07:04	07:22	07:01	07:35	07:37	07:27
7:20 PM	07:47	08:32	07:30	07:47	07:19	12:39	07:08	07:31	07:22	07:08	07:24	07:16
7:30 PM	07:33	08:01	07:38	07:29	07:19	09:03	07:24	07:11	07:11	07:02	07:09	07:30
7:40 PM	07:13	08:12	07:25	07:04	07:18	08:15	07:25	07:23	07:26	07:01	07:27	07:22
7:50 PM	07:08	07:25	07:30	07:02	07:17	08:15	07:12	07:06	07:05	07:25	07:12	07:18
8:00 PM	06:55	07:29	07:35	07:04	07:20	07:46	07:03	07:07	07:12	07:03	07:11	07:15
8:10 PM	06:59	07:43	07:21	06:53	07:17	07:39	07:12	07:22	07:06	07:40	07:01	07:16
8:20 PM	07:18	07:02	07:35	07:02	07:07	07:33	06:50	07:09	06:54	07:47	07:20	07:13
8:30 PM	06:59	07:21	07:12	06:50	07:04	07:19	06:51	07:15	07:05	07:20	07:23	07:02
8:40 PM	07:17	07:13	07:06	07:00	07:12	07:17						
8:50 PM	07:13	07:19	07:13	06:55	07:02	06:59						

Traction Probe Data Heatmap												
ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:15	07:29	06:58	07:18	06:47	07:14	07:06	06:59	06:57	07:37	07:10
5:20 AM		07:44	07:11	06:53	07:27	07:03	07:18	07:17	07:19	07:28	07:50	07:15
5:30 AM		08:23	07:47	07:36	07:30	07:31	07:14	08:04	07:37	07:36	07:56	07:22
5:40 AM		08:25	07:54	08:18	08:00	07:51	07:42	08:21	08:19	07:56	07:58	07:40
5:50 AM		08:26	08:48	08:39	08:33	08:22	08:36	08:47	09:30	08:54	08:24	08:52
6:00 AM		08:12	08:29	08:46	09:10	08:18	08:31	08:52	09:23	09:09	08:18	09:18
6:10 AM		08:15	08:01	08:09	08:51	08:21	07:45	08:16	08:24	08:25	08:09	09:00
6:20 AM		09:04	08:06	08:28	08:41	08:13	08:31	08:09	08:18	09:14	08:52	09:14
6:30 AM		09:05	08:38	08:31	08:56	08:24	08:48	08:14	09:23	08:53	08:41	09:50
6:40 AM		08:27	08:25	08:05	08:23	08:33	08:40	08:27	08:35	08:36	07:51	08:30
6:50 AM		09:02	08:04	08:27	09:13	08:22	08:34	08:19	08:34	08:51	08:35	09:04
7:00 AM		09:18	08:43	08:29	09:42	09:04	09:19	08:50	08:45	09:00	08:54	09:14
7:10 AM		09:19	09:06	09:32	10:05	08:35	09:51	08:38	09:18	08:56	09:41	09:57
7:20 AM		10:30	10:26	10:22	10:27	09:28	10:44	09:19	09:32	09:36	10:01	10:23
7:30 AM		12:18	13:57	12:10	11:06	09:32	11:52	10:58	10:31	10:01	10:03	10:25
7:40 AM		13:39	13:48	13:39	12:19	11:54	13:21	11:28	12:09	11:39	11:16	11:47
7:50 AM		13:54	15:05	15:00	13:22	13:22	13:28	13:52	13:57	13:57	10:52	13:46
8:00 AM		14:19	15:01	15:18	14:12	13:03	14:58	14:39	13:18	13:34	11:55	
8:10 AM		14:40	14:26	14:59	14:05	13:39	13:50	14:26	13:35	14:13	11:23	15:22
8:20 AM		14:44	15:24	15:12	14:57	13:49	14:34	13:39	13:35	13:52	10:27	14:58
8:30 AM		14:59	14:30	14:18	12:20	12:49	14:30	14:10	14:26	12:46	11:48	12:53
8:40 AM		16:06	15:20	14:38	14:24	12:12	13:18	14:39	13:42	12:34	10:51	13:49
8:50 AM		15:10	13:56	14:03	12:55	12:01	12:50	13:06	13:54	11:34	11:23	13:08
9:00 AM		14:05	12:53	14:46	12:51	12:54	13:51	13:13	12:07	11:45	12:18	13:28
9:10 AM		12:41	11:53	13:29	11:08	11:17	12:21	12:22	12:52	10:26	12:21	12:57
9:20 AM		12:40	10:57	12:10	09:41	10:12	10:48	11:35	09:25	08:59	10:48	13:03
9:30 AM		12:15	11:18	11:38	08:18	09:11	08:59	10:24	08:20	07:58	09:25	11:01
9:40 AM		10:34	10:32	10:25	08:39	08:09	08:24	08:33	08:09	08:16	08:44	10:11
9:50 AM		09:49	09:05	08:58	08:25	08:14	07:45	08:30	07:42	08:03	08:30	09:22
10:00 AM		09:31	08:26	08:29	08:24	08:00	08:03	07:38	07:56	07:58		08:29
10:10 AM		08:50	07:58	08:00	08:43	07:41	07:46	07:55	07:38	08:17	08:02	08:00
10:20 AM		08:19	07:56	07:51	08:07	07:20	09:59	07:30	07:40	07:41	08:03	07:30
10:21 AM								07:28				
10:30 AM		08:21	07:29	08:07	08:07	07:58	09:46	07:33	07:34	07:48	07:34	07:33
10:40 AM		07:54	07:56	07:59	07:42	07:04	09:33	07:37	07:36	07:50	07:30	07:21
10:50 AM		07:59	08:07	07:57	08:06	07:42	11:40	07:45	07:51	07:35	07:45	07:49
11:00 AM		07:58	07:51	07:54	07:53	07:34	11:11	08:09	07:33	08:20	07:29	07:47
11:10 AM		08:04	07:59	08:15	08:37	07:59	12:28	07:50		08:35	07:40	07:59
11:20 AM		08:35	09:59	08:38	08:35	07:57	13:03	08:07	08:31	08:49	08:03	08:10

ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:12	12:01	08:15	07:45	08:10	13:16	08:23	08:11	08:17	08:06	07:38
11:40 AM		08:35	14:52	07:40	08:12	08:07	12:18	08:16	08:06	08:14	08:09	08:25
11:50 AM		08:29	15:09	08:08	08:40	08:35	13:04	08:11	08:39	08:44	08:35	08:18
12:00 PM		08:49	10:46	08:19	08:53	08:14	08:38	08:19	08:07	08:55	08:47	08:11
12:10 PM		08:47	09:27	08:06	08:19	08:01	08:20	08:32	08:39	08:03	08:29	08:14
12:20 PM		08:26	08:24	08:07	08:28	07:56	07:48	08:33	08:05	09:00	08:11	08:07
12:30 PM		08:24	08:34	08:14	08:21	07:53	08:31	08:26	08:34	08:54	08:21	08:13
12:40 PM		08:44	08:21	08:35	09:12	08:00	08:30	08:13	08:03	08:16	08:47	08:20
12:50 PM		07:57	08:17	08:23	08:19	07:46	08:05	08:04	08:24	08:44	07:56	08:09
1:00 PM		08:10	08:30	08:02	08:09	08:09	08:13	08:26	08:21	08:47	07:50	08:02
1:10 PM	08:22	08:14	08:11	08:18	08:22	08:04	08:06	09:10	08:41	08:47	08:05	08:42
1:20 PM	08:27	08:29	07:44	08:25	08:02	07:30	08:18	08:11	08:08	08:26		08:10
1:30 PM	08:13	08:02	07:56	08:03	08:29	07:43	08:17	07:54	07:58	08:17	07:56	08:21
1:40 PM	08:17	08:18	08:02	08:24	07:53	07:55	07:52	07:38	08:33	08:26	08:14	08:01
1:50 PM	08:20	08:20	08:28	08:02	08:24	08:05	08:26	08:46	08:54	08:24	08:15	08:08
2:00 PM	07:46	08:45	08:19	07:45	08:28	08:22	08:01	08:07	09:35	08:26	08:51	07:54
2:10 PM	08:38	08:39	09:11	08:23	08:46	08:28	08:32	08:50	10:16	08:54	08:28	08:32
2:20 PM	08:19	07:58	08:25	08:10	08:23	08:13	08:17	08:19	09:47	08:39	08:16	08:15
2:30 PM	08:03	08:13	08:31	08:22	08:49	07:45	08:20	08:22	09:31	08:33	08:12	08:22
2:40 PM	08:21	08:46	08:38	08:23	08:43	08:14	08:42	08:42	09:41	09:09	08:34	08:40
2:50 PM	08:13	08:56	08:24	08:41	08:31	08:29	08:14	08:00	09:24	08:58	08:07	08:03
3:00 PM	07:59	08:05	08:00	07:53	08:14	08:14	07:50	08:10	09:05	08:10	08:01	07:53
3:10 PM	08:15	08:26	07:59	07:51	08:05	07:50	07:57	08:09	09:13	08:34	08:10	08:27
3:20 PM	07:37	08:14	07:49	07:55	08:16	07:59	08:29	07:56	09:43	08:00	08:26	08:15
3:30 PM	07:23	07:55	08:01	08:01	07:55	07:39	07:36	08:06	11:36	08:09	08:13	08:12
3:40 PM	08:01	07:39	08:01	08:18	08:04	07:44	08:02	08:19	11:56	08:22	08:16	08:00
3:50 PM	08:02	08:06	08:00	08:35	07:43	08:06	07:49	07:52	13:44	08:02	08:26	07:59
4:00 PM	08:15	08:40	08:03	08:19	08:23	08:05	07:37	08:17	14:03	08:11	08:38	08:06
4:10 PM	08:11	08:12	08:05	08:06	08:11	08:11	07:52	07:53	13:25	08:09	08:43	08:15
4:20 PM	07:52	08:04	08:19	07:51	08:26	08:07	08:11	08:35	20:44	08:21	08:47	08:27
4:30 PM	07:57	08:00	08:12	08:20	08:28	08:27	08:05	08:00	22:48	08:10	08:38	08:14
4:40 PM	07:44	08:39	08:34	08:07	08:31	08:44	07:58	08:25	20:42	08:33	08:17	08:20
4:41 PM												
4:50 PM	08:15	08:24	08:56	09:03	08:26	08:17	08:27	08:42	20:55	08:15	08:45	09:08
5:00 PM	07:34	08:20	08:33	08:41	08:49	08:16	08:33	08:03	22:27	08:00	08:40	09:08
5:10 PM	08:32	08:36	08:46	08:44	08:44	07:53	08:57	08:43	22:06	08:18	08:51	08:12
5:20 PM	07:57	08:15	09:18	09:22	09:16	08:21	08:44	09:08	24:23	08:19	09:20	08:39
5:30 PM	08:11	08:01	08:27	08:29	08:32	08:12	08:37	08:00	20:25	08:19	08:45	08:20
5:40 PM	08:06	08:24	08:13	08:08	08:10	08:03	07:53	08:23	17:53	08:14	08:30	08:15
5:50 PM	07:34	08:19	08:18	08:22	08:28	07:37	08:04	08:36	18:25	07:59	08:47	08:19
6:00 PM	08:00	07:57	08:14	08:09	08:01	07:38	07:59	08:33	13:48	08:13	09:09	08:29
6:10 PM	07:49	07:51	08:28	07:49	07:49	07:46	07:58	08:15	13:29	07:36	08:04	08:17

ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	07:35	07:35	07:59	07:59	07:38	07:19	08:26	08:03	14:25	07:38	08:02	07:55
6:30 PM	07:25	07:44	07:21	07:31	07:44	07:26	07:32	07:39	15:54	07:36	07:47	07:35
6:40 PM	07:49	08:06	07:52	07:38	07:33	07:29	07:37	07:48	11:52	07:32	07:36	07:41
6:50 PM	07:21	06:58	07:29	07:26	07:42	07:20	07:16	07:29	09:44	07:25	08:02	07:25
7:00 PM	07:17	07:10	07:26	07:25	07:08	07:18	07:14	07:19	08:13	07:14	07:12	07:22
7:10 PM	06:46	07:10	07:10	07:03	07:09	07:13	07:14	07:06	08:05	07:15	07:12	07:03
7:20 PM	06:45	06:54	06:59	07:10	07:05	07:08	07:38	06:54	07:41	07:12	06:53	06:54
7:30 PM	06:50	06:42	06:57	06:57	06:46	06:55	07:03	06:40	07:22	06:55	07:03	06:51
7:40 PM	06:42	06:45	07:02	06:52	06:54	06:36	06:40	06:38	07:17	06:59	06:46	06:40
7:50 PM	06:42	06:58	06:56	06:43	07:00	06:41	06:45	06:40	07:03	06:45	07:13	06:40
8:00 PM	07:04	06:45	06:50	06:57	06:53	06:37	07:01	06:43	06:56	06:47	06:52	06:29
8:10 PM	06:49	06:47	06:45	06:33	06:35	06:47	07:00	06:43	06:56	06:56	07:00	06:48
8:20 PM	06:49	06:54	06:52	06:47	06:39	06:28	06:44	06:55	07:02	06:54	06:46	06:50
8:30 PM	06:29	06:40	07:17	06:55	06:45	06:46	06:59	06:51	06:36	06:52	06:56	06:55
8:40 PM	06:36	06:43	06:56	06:59	07:05	06:38	06:47	06:46	06:45	06:56	06:50	06:44
8:50 PM	06:57	07:11	06:44	06:37	06:50	06:40	06:42	06:36	06:48	06:48	06:49	06:57



Traction Probe Data Heatmap												
ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:07	07:10	07:27	06:57	07:11	07:26	07:52	07:11	07:27	07:35	07:09	06:56
5:20 AM	07:25	07:16	07:15	07:35	07:27	07:22	08:18	07:11	07:20	07:18	07:23	07:32
5:30 AM	07:22	07:32	07:45	07:13	07:27	07:39	07:49	07:41	07:30	07:21	07:18	07:58
5:40 AM	08:00	08:00	07:40	07:31	07:57	08:30	08:30	08:04	07:34	07:56	07:43	08:42
5:50 AM	08:12	08:33	08:48	08:11	08:36	08:23	09:23	08:37	07:13	08:34	08:12	08:37
6:00 AM	08:14		09:45	08:01	08:37	08:39	08:25	08:15	07:52	08:17	08:03	08:10
6:10 AM	08:23	07:53	09:08	08:10	08:50	08:11	08:54	08:22	07:53	08:22	07:56	07:59
6:20 AM	08:15	08:51	08:40	08:07	08:22	08:43	09:12	08:33	07:44	08:21	08:36	08:11
6:30 AM		08:27	08:56	08:51	08:49	09:44	09:54	08:36	08:16	08:36	08:38	08:56
6:40 AM	08:27	07:58	07:59	07:48	08:10	08:28	11:21	08:22	08:21	08:48	08:25	08:55
6:50 AM	08:17	08:53	08:17	07:49	08:53	09:06	12:38	08:16	07:24	08:09	08:24	08:13
7:00 AM	10:11	09:21	09:02	08:14	09:51	10:35	12:21	08:05	07:15	09:00	09:20	08:06
7:10 AM	09:34	10:06	09:56	08:24	10:34	10:03	13:15	08:32	07:36	09:44	10:10	09:06
7:20 AM	11:14	11:58	11:14	10:53	11:48	09:45	12:22	08:53	07:50	11:13	11:53	09:25
7:30 AM	11:22	12:53	11:22	13:17	12:56		15:34	11:01	07:47	12:00	13:07	10:52
7:40 AM	14:27	13:57	12:49	14:32	13:36	13:25	21:27	10:53	08:15	15:12	14:34	12:38
7:50 AM	15:08	13:55	13:29	16:11	13:45	14:46	22:16	11:29	07:55	13:39	13:52	13:38
8:00 AM	14:43	15:24	12:59	15:57	14:34	15:00		11:22	07:51	14:38	15:01	13:51
8:10 AM	15:46	14:52	12:56	14:04	13:46	14:07	22:58	11:21	08:02	14:40	16:09	12:32
8:20 AM	15:18	14:50	13:20	16:04	14:43	13:31	25:20	08:56	07:56	13:26	16:51	11:42
8:30 AM	14:22	16:01	12:14	13:56	15:24	13:34	24:32	08:20	07:42	14:26	16:12	11:15
8:40 AM	14:59		12:42	15:20	14:54	13:45	24:37	08:21	07:44	14:30	16:16	11:56
8:50 AM	15:20	14:59	11:16	14:05	15:35	14:02	22:38	09:54	07:44	13:46	18:11	11:06
9:00 AM	14:45	15:12	11:55	15:10	16:33	14:59	24:03	08:34	07:59	12:56	15:21	09:53
9:10 AM	12:39	12:24	09:59	12:10	12:47	12:04	22:55	08:08	07:25	12:04	13:04	08:41
9:20 AM	12:44	10:29	10:01	12:32	11:08	10:14	22:00	08:06	07:10	10:16	11:56	08:10
9:30 AM	11:55	08:51	09:08	10:33	11:52	08:27	20:02	08:00	07:22	09:04	09:40	08:07
9:40 AM	10:23	08:17	08:00	09:35	10:09	08:04	22:08	07:37	07:07	08:03	07:53	08:05
9:50 AM	09:40	08:03	07:57	09:10	09:53	08:08	19:16	07:59	07:36	07:54	08:32	07:54
10:00 AM	08:18	08:29	07:37	08:06	08:54	07:48	12:34	07:44	07:38	08:08	07:49	07:46
10:10 AM	08:09	07:46	07:25	07:49	08:12	07:36	09:41	07:47	07:19	07:21	08:12	07:41
10:20 AM	07:42	08:15	07:41	07:43	08:17	07:57	08:03	08:06	07:41	08:06	07:42	07:41
10:21 AM							07:45	07:37	07:48	08:04	07:56	08:07
10:30 AM	07:34	08:01	07:25	07:42	07:48	07:34	08:23	07:52	07:20	07:27	07:25	08:12
10:40 AM	07:44	07:44	07:49	08:12	08:07	07:48	08:28	07:45	07:27	07:41	07:57	07:56
10:50 AM	08:04	07:57	07:57	07:36	07:46	08:34	08:07	08:11	07:59	07:44	07:45	08:10
11:00 AM	07:54	07:55	07:42	07:34		08:11	08:35	08:19	07:50	08:01	08:09	08:04
11:10 AM	07:42	08:02	08:17	08:07	08:09	08:23	08:34	08:31	08:02	07:58	08:37	08:17
11:20 AM	08:09	07:59	08:15	07:56	08:06	08:26	08:43	07:54	07:41	07:52	08:28	08:22

ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:09	08:00	09:20	08:15	08:02	08:13	08:13	08:16	07:58	08:25	08:27	08:18
11:40 AM	08:03	08:04	08:17	08:10	08:22	08:26	08:33	08:25	07:47	08:20	08:29	08:29
11:50 AM	08:35	08:47	08:56	08:32	08:22	08:35	08:08	08:37	08:18	08:02	08:47	08:21
12:00 PM	08:38	08:59	08:17	08:45	08:41	08:31	08:23	08:20	08:23	08:20	08:21	08:42
12:10 PM	08:21	08:13	08:33	08:16	08:13	08:23	08:30	08:11	08:00	08:24	08:38	08:26
12:20 PM	08:24	08:17	08:53	08:03	07:59	08:28	08:28	08:36	08:07	08:12	09:13	08:42
12:30 PM	08:16	08:12	08:41	08:32	08:10	08:08	08:43	08:55	08:00	08:14	08:45	08:25
12:40 PM	08:24	08:04	08:44	08:52	08:40	08:19	08:39	08:32	07:42	08:14	08:25	08:27
12:50 PM	08:01	08:00	08:41	08:05	08:28	08:05	08:48	08:12	08:02	08:24	08:18	07:44
1:00 PM	08:21	08:04	08:30	07:50	08:47	08:04	08:23	08:28	07:46	08:29	08:38	08:16
1:10 PM	08:14	08:25	08:42	08:12	07:53	08:26	08:26	08:36	08:11	08:09	08:29	08:20
1:20 PM	08:27	08:01	08:32	08:12	07:54	08:36	08:17	08:37	08:24	08:22	08:16	08:00
1:30 PM	08:01	07:59	08:33	08:21	08:21	08:27	08:42	09:02	08:04	07:46	08:27	08:03
1:40 PM	07:49	08:19	08:53	08:08	08:38	08:29	08:34	08:17	08:03	08:31	08:24	08:32
1:50 PM	07:56	08:13	08:10	08:03	08:34	08:13	08:37	08:31	08:02	07:52	08:37	08:42
2:00 PM	08:27	08:24	08:41	08:35	08:30	08:39	08:58	09:12	08:51	08:17	09:13	08:44
2:10 PM	08:27	08:39	08:36	08:34	09:01	08:50	08:46	08:34	08:34	08:09	09:12	08:31
2:20 PM	08:40	08:45	08:55	08:37	08:13	08:25	08:15	08:31	08:17	08:11	08:36	08:36
2:30 PM	08:12	08:18	08:40	08:51	08:41	08:27	09:17	08:52	08:11	09:12	08:54	10:12
2:40 PM	08:44	08:37	08:50	09:02	09:04	08:48	08:46	08:30	08:07	08:28	09:00	08:44
2:50 PM	08:21	09:02	08:32	08:41	08:20	08:38	08:26	08:21	07:51	07:43	08:41	08:40
3:00 PM	07:58	08:03	08:27	07:49	07:50	08:52	08:36	08:42	07:53	07:49	08:26	08:55
3:10 PM	08:22	07:44	08:22	07:55	08:04	09:26	08:20	08:15	07:40	08:05	08:27	08:40
3:20 PM	08:04	07:53	08:42	07:36	08:08	10:26	08:29	08:06	07:40	07:36	08:58	08:08
3:30 PM	08:10	07:42	08:16	07:32	07:46	09:25	08:14	08:01	07:32	08:14	09:09	08:17
3:40 PM	08:16	08:06	08:15	08:10	08:13	10:35	08:32	08:22	07:34	08:18	08:38	08:24
3:50 PM	08:21	08:32	08:36	07:57	08:25	10:31	08:15	08:28	07:54	08:18	08:10	08:21
4:00 PM	08:06	08:03	08:15	07:45	07:58	10:23	08:25	08:07	07:30	08:11	08:23	08:48
4:10 PM	08:05	08:10	08:24	08:23	07:50	11:08	08:42	08:29	07:19	07:51	07:59	08:14
4:20 PM	07:58	08:30	08:18	08:04	08:04	10:44	08:47	08:16	07:32	08:08	08:58	08:11
4:30 PM	08:39	08:01	08:21	07:57	08:02	11:51	09:18	08:35	08:07	08:19	09:25	08:22
4:40 PM	08:40	08:12	08:18	08:16	08:18	13:19	08:05	08:16	07:40	08:32	09:17	08:45
4:41 PM	08:35						08:09	08:13	07:35	08:36	09:29	08:12
4:50 PM	08:53	08:29	08:48	07:58	08:18	13:23	08:38	08:51	08:08	09:30	10:04	08:45
5:00 PM	08:33	08:35	08:36	08:11	08:06	13:35	08:18	08:10	07:32	09:24	09:43	08:10
5:10 PM	09:06	09:28	08:41	08:59	08:37	17:39	08:21	08:07	07:35	08:36	08:49	08:58
5:20 PM	08:37	09:33	08:29	08:28	08:32	20:18	07:48	08:02	07:25	08:03	09:00	08:21
5:30 PM	07:54	08:26	08:23	08:15	08:20	18:30	07:47	07:51	07:30	08:22	07:52	08:15
5:40 PM	08:28	08:10	07:53	07:54	08:08	16:41	08:11	07:45	07:41	08:58	08:17	08:20
5:50 PM	08:26	08:35	08:22	08:10	07:44	14:40	07:28	07:38	07:39	08:27	07:50	08:05
6:00 PM	08:13	08:40	08:21	07:52	07:57	12:07	07:18	07:57	07:50	07:40	07:41	08:33
6:10 PM	08:38	08:02	07:57	07:43	07:46	10:23	07:49	07:32	07:30	07:58	07:52	07:56

ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	08:09	08:06	08:03	07:25	07:55	09:34	07:27	07:21	07:29	07:44	07:40	08:23
6:30 PM	07:54	07:56	07:36	07:38	07:52	10:12	07:07	07:17	07:48	07:39	07:19	07:35
6:40 PM	07:47	07:45	07:46	07:30	07:42	09:26	07:36	07:35	07:10	07:26	07:59	07:17
6:50 PM	07:23	07:21	07:20	07:27	07:13	09:56	07:17	07:08	07:17	07:25	07:19	07:30
7:00 PM	07:07	07:20	07:26	07:24	07:03	08:29	07:18	07:03	07:04	07:00	07:08	07:11
7:10 PM	07:21	07:10	07:14	07:07	07:05	07:53	07:00	06:45	06:50	06:48	07:06	07:11
7:20 PM	07:20	06:48	07:04	06:52	06:46	07:56	07:06	06:47	06:49	06:47	06:53	07:06
7:30 PM	07:04	07:05	07:08	06:54	06:34	07:44	06:57	06:52	06:35	06:51	06:59	06:57
7:40 PM	06:51	06:47	07:13	06:49	06:35	07:13	06:37	07:06	06:40	07:25	07:03	06:58
7:50 PM	06:53	06:57	07:04	07:00	06:49	07:19	07:04	06:55	06:37	06:51	07:36	07:09
8:00 PM	06:39	07:05	07:00	06:41	07:02	07:11	06:42	06:58	06:50	06:46	06:48	06:40
8:10 PM	06:50	06:53	06:50	06:52	06:49	06:54	06:46	06:40	06:54	06:41	06:58	06:35
8:20 PM	06:42	06:32	06:50	06:41	06:57	06:46	07:23	06:42	07:09	06:46	07:12	06:31
8:30 PM	06:56	06:42	06:53	06:30	06:53	07:08	06:42	06:45	06:30	06:55	07:22	06:37
8:40 PM	06:42	06:42	06:54	06:24	06:45	06:58						
8:50 PM	06:41	06:53	07:00	06:38	06:44	07:17						



Traction Probe Data Heatmap

Pacific Heights Blvd NB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:37	02:47	02:31	02:29	02:33	02:34	02:44	02:33	02:34	02:35	02:42
5:20 AM		02:38	02:49	02:32	02:29	02:33	02:34	02:40	02:33	02:32	02:34	02:41
5:30 AM		02:44	03:08	02:33	02:33	02:41	02:41	03:00	02:34	02:32	02:42	02:51
5:40 AM		02:50	03:08	02:30	02:33	02:42	02:49	03:01	02:34	02:32	02:43	02:51
5:50 AM		02:50	02:57	03:09	02:33	02:37	02:45	02:53	02:39	02:32	02:40	02:49
6:00 AM		02:43	03:07	03:32	02:39	02:45	02:43	03:01	02:49	02:35	02:49	02:48
6:10 AM		02:40	02:59	02:50	02:47	02:41	02:45	02:57	02:42	02:32	02:47	02:47
6:20 AM		02:37	03:02	02:50	03:02	02:41	02:47	02:53	02:38	02:39	02:39	02:46
6:30 AM		02:44	03:00	02:57	02:50	02:44	02:56	03:05	02:43	02:42	02:37	02:49
6:40 AM		02:49	02:57	02:46	02:47	03:19	02:50	03:01	02:42	02:45	02:42	02:52
6:50 AM		02:48	02:59	02:56	02:49	03:27	03:08	03:10	02:53	02:43	02:50	03:04
7:00 AM		03:00	02:47	03:00	02:49	03:58	03:09	03:13	02:40	02:42	02:50	03:44
7:10 AM		02:53	02:49	02:50	02:50	02:44	02:54	03:07	02:43	02:50	02:40	03:05
7:20 AM		02:49	03:00	02:45	02:50	02:37	02:49	03:02	02:44	02:54	02:45	02:49
7:30 AM		03:02	03:02	03:01	02:50	02:49	02:58	02:44	02:59	03:04	02:50	02:54
7:40 AM		02:59	02:53	02:53	02:50	02:46	02:58	02:38	02:57	03:05	02:57	02:46
7:50 AM		03:14	02:58	03:11	03:04	02:58	03:04	02:55	03:02	02:59	03:05	02:58
8:00 AM		03:14	03:12	03:12	03:05	03:14	03:00	02:55	03:18	03:28	02:56	02:51
8:10 AM		03:14	03:19	03:09	02:57	03:09	02:54	03:13	03:04	03:11	02:50	02:47
8:20 AM		03:06	03:03	03:03	02:55	03:11	03:02	03:18	03:21	03:17	03:07	02:59
8:30 AM		03:22	03:03	03:12	03:06	02:56	03:33	03:13	03:15	03:06	03:05	02:56
8:40 AM		03:48	03:07	03:12	03:30	03:02	03:04	03:03	03:25	03:19	03:21	03:02
8:50 AM		02:59	03:27	02:55	03:12	03:32	03:21	03:25	03:11	02:54	03:24	03:17
9:00 AM		03:10	03:28	03:04	03:16	03:07	03:05	03:14	03:18	02:51	03:05	03:12
9:10 AM		03:26	03:17	03:19	03:14	03:52	03:10	03:46	03:39	02:59	03:23	03:11
9:20 AM		03:29	03:13	03:32	02:54	03:38	03:27	03:57	03:31	03:23	03:09	03:19
9:30 AM		03:16	03:17	03:21	03:07	03:53	03:20	03:23	03:10	03:19	03:01	03:16
9:40 AM		03:09	03:19	03:12	03:05	03:15	02:59	03:42	03:19	03:13	03:24	03:31
9:50 AM		03:29	03:22	03:26	03:10	03:26	03:07	03:11	03:11	03:20	03:38	03:13
10:00 AM		03:24	03:36	03:26	03:25	03:18	03:09	03:26	02:59	03:00	03:15	03:20
10:10 AM		03:10	03:48	03:03	03:00	03:08	02:55	03:27	03:09	03:14	03:28	03:05
10:20 AM		03:17	03:15	03:17	03:03	03:51	03:11	03:18	03:16	03:16	03:09	03:23
10:21 AM								03:19				
10:30 AM		03:06	03:09	03:19	03:01	03:26	03:10	03:05	03:23	03:00	02:55	03:26
10:40 AM		03:00	03:17	02:58	03:13	03:17	03:33	03:05	03:05	03:14	03:04	03:13
10:50 AM		03:02	03:07	02:54	03:03	03:14	03:19	03:08	03:06	03:00	02:56	03:24
11:00 AM		03:08	03:10	03:11	03:07	03:16	03:15	03:07	03:13	03:00	03:08	03:28
11:10 AM		03:09	02:59	03:23	03:16	03:08	03:11	03:07		03:14	03:11	03:16
11:20 AM		03:16	03:11	03:24	03:31	03:30	03:05	03:15	03:21	03:10	03:15	03:05

ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		03:39	03:24	03:15	03:17	02:58	03:27	03:09	03:07	03:07	02:58	03:09
11:40 AM		03:51	03:30	03:38	03:26	03:08	03:19	03:17	03:49	03:02	03:14	03:13
11:50 AM		03:21	03:34	03:27	03:19	03:23	03:32	03:26	03:36	02:54	03:15	03:12
12:00 PM		03:25	03:39	03:34	03:16	03:33	03:34	03:26	03:33	03:12	03:26	03:35
12:10 PM		04:01	03:39	03:26	03:38	03:30	03:34	04:06	03:30	03:23	03:33	03:45
12:20 PM		04:00	03:28	03:29	03:42	03:40	03:19	03:46	03:34	03:44	03:44	03:35
12:30 PM		03:58	03:22	03:21	03:57	03:40	03:38	03:55	03:59	03:43	03:44	03:27
12:40 PM		03:23	03:26	03:22	04:09	03:50	03:28	03:21	03:57	03:29	03:43	03:30
12:50 PM		03:08	03:47	03:19	04:16	03:48	03:33	03:39	03:38	03:11	03:25	03:17
1:00 PM		03:09	03:39	03:11	04:04	03:53	03:40	03:33	03:48	03:31	03:25	02:59
1:10 PM	03:24	03:53	03:42	03:10	04:08	03:37	03:34	03:31	03:38	03:25	03:34	03:24
1:20 PM	03:14	03:21	03:32	03:22	03:53	03:41	03:43	03:08	03:26	03:37		03:20
1:30 PM	03:13	03:35	03:31	03:11	03:28	03:30	03:32	03:39	03:30	03:46	03:23	03:06
1:40 PM	03:26	03:28	03:33	03:31	03:53	03:25	03:40	03:30	03:36	03:54	03:10	03:28
1:50 PM	03:20	03:15	03:30	03:13	03:27	03:52	03:39	03:43	03:38	03:45	03:19	03:22
2:00 PM	03:16	03:25	03:33	03:10	03:24	03:26	03:16	03:27	03:51	03:24	03:06	03:15
2:10 PM	03:08	03:25	03:24	02:56	03:07	03:28	03:19	03:19	03:54	03:06	03:15	03:20
2:20 PM	03:39	03:22	03:04	03:04	03:13	03:24	03:15	03:19	03:16	03:09	03:16	03:14
2:30 PM	03:38	03:29	03:22	03:07	03:01	03:17	03:32	03:29	03:13	03:11	03:10	03:18
2:40 PM	03:19	03:36	03:45	02:54	03:02	03:22	03:26	03:27	03:19	03:23	03:32	03:25
2:50 PM	03:18	03:35	03:49	03:18	03:10	03:16	03:19	03:29	03:11	03:23	03:42	03:15
3:00 PM	03:19	03:17	03:35	03:17	03:09	03:17	03:23	03:29	03:13	03:29	03:28	03:22
3:10 PM	03:18	03:14	03:27	02:59	03:09	03:35	03:24	03:21	03:20	03:16	03:32	03:26
3:20 PM	03:23	03:27	03:35	03:02	02:55	03:19	03:22	03:13	03:25	03:18	03:16	03:33
3:30 PM	03:22	03:15	03:26	03:04	02:57	03:31	03:23	03:13	03:24	03:18	03:24	03:23
3:40 PM	03:23	03:35	03:36	03:28	03:16	03:34	03:06	03:18	03:30	03:31	03:28	03:17
3:50 PM	03:17	03:34	03:31	03:23	03:20	03:11	03:10	03:35	03:20	03:47	03:30	03:16
4:00 PM	03:14	03:29	03:32	03:16	03:18	03:08	03:23	03:34	03:29	04:15	03:32	03:24
4:10 PM	03:40	03:41	03:43	03:39	03:49	03:11	03:14	03:15	03:49	04:07	03:20	03:35
4:20 PM	03:24	03:25	03:44	03:25	03:42	03:35	03:43	03:15	03:24	03:57	03:47	03:56
4:30 PM	03:17	03:43	03:47	03:43	03:24	03:23	03:39	03:13	03:41	03:48	03:29	03:28
4:40 PM	03:10	03:48	03:23	03:58	03:33	03:35	03:40	03:13	03:46	03:31	03:36	03:31
4:41 PM												
4:50 PM	04:00	03:41	03:27	03:58	03:31	03:06	03:38	03:14	04:33	03:28	03:31	03:30
5:00 PM	03:39	03:30	03:44	03:03	03:16	03:22	03:46	03:29	04:07	03:55	03:30	03:32
5:10 PM	03:40	03:41	03:15	03:15	03:31	03:32	03:57	03:49	04:16	04:02	03:37	03:42
5:20 PM	03:39	03:45	04:01	03:37	03:43	03:52	04:48	03:47	04:12	03:34	03:32	04:06
5:30 PM	03:30		04:09	03:45	03:48	03:47	03:57	03:55	05:15	04:01	03:52	03:36
5:40 PM	03:30	03:52	04:19	03:55	03:39	03:48	03:56	03:28	05:53	03:51	03:59	03:50
5:50 PM	03:38	03:58	04:10	03:52	04:11	03:31	03:44	03:37	05:18	03:40	03:44	03:51
6:00 PM	03:17	03:25	04:02	03:51	03:34	03:19	03:42	03:37	06:19	03:34	03:35	03:39
6:10 PM	03:24	03:32	03:41	04:10	03:30	03:27	03:15	03:19	04:12	03:33	03:30	03:18

ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	03:55	03:45	04:11	04:09	03:47	03:40	03:12	03:12	04:04	03:25	03:30	03:28
6:30 PM	03:49	03:30	03:31	03:48	03:44	03:30	03:20	03:30	03:51	03:16	03:31	03:16
6:40 PM	03:32	03:22	03:27	03:33	03:27	03:28	03:41	03:16	04:00	03:14	03:35	03:20
6:50 PM	03:28	03:29	03:31	03:32	03:27	03:05	03:30	03:21	03:44	03:07	03:37	03:17
7:00 PM	03:25	03:31	03:28	03:28	03:44	03:22	03:41	03:11	03:23	03:05	03:52	03:03
7:10 PM	03:22	03:54	03:24	03:20	03:30	03:05	03:34	03:06	03:19	03:16	03:29	03:18
7:20 PM	03:17	03:47	03:23	03:18	03:24	03:12	03:30	03:11	03:22	03:16	03:31	03:07
7:30 PM	03:18	03:40	03:21	03:29	03:11	03:13	03:41	03:13	03:21	03:20	03:13	03:19
7:40 PM	03:18	03:39	03:22	03:36	03:14	03:12	03:57	03:18	03:18	03:04	03:31	03:17
7:50 PM	03:10	03:38	03:18	03:30	03:09	03:26	03:43	03:17	03:11	03:08	03:34	03:14
8:00 PM	03:06	03:25	03:31	03:40	03:10	03:24	03:41	03:09	03:08	03:41	03:38	03:18
8:10 PM	03:05	03:21	03:47	03:20	02:59	03:09	03:26	03:08	03:07	03:39	03:41	03:18
8:20 PM	02:54	03:18	03:37	03:12	03:00	03:15	03:25	02:58	03:00	03:41	03:45	03:11
8:30 PM	02:53	03:18	03:39	03:04	03:15	03:11	03:20	02:58	02:55	03:41	03:50	03:16
8:40 PM	02:50	03:12	03:35	02:54	03:20	03:14	03:10	02:59	02:58	03:38	03:22	03:10
8:50 PM	02:55	03:12	03:25	02:52	03:09	03:08	03:08	03:02	02:53	03:06	03:50	03:15

Traction Probe Data Heatmap												
ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:42	02:32	02:31	02:34	02:35	02:52	02:40	02:28	02:28	02:36	02:42	02:35
5:20 AM	02:41	02:32	02:31	02:34	02:35	02:51	02:38	02:31	02:27	02:36	02:38	02:35
5:30 AM	02:59	02:33	02:30	02:41	02:43	03:07	02:42	02:30	02:39	02:39	02:51	02:32
5:40 AM	03:01	02:34	02:30	02:43	02:49	03:11	02:35	02:30	02:41	02:45	02:50	02:31
5:50 AM	02:54	02:32	02:33	02:40	02:47	03:02	02:43	02:39	02:39	02:45	02:45	02:32
6:00 AM	03:02	02:45	02:35	02:43	02:47	02:53	02:45	02:35	02:50	02:47	02:47	02:36
6:10 AM	03:02	02:36	02:42	02:42	02:40	03:02	02:41	02:36	02:53	02:45	02:44	02:39
6:20 AM	02:54	02:36	02:47	02:43	02:38	02:53	02:52	02:35	02:55	02:56	02:46	02:40
6:30 AM		02:40	02:53	02:52	02:41	02:53	02:40	02:41	03:00	02:46	02:49	02:39
6:40 AM	03:06	02:41	02:50	02:50	02:43	02:50	02:46	02:40	02:59	02:49	02:51	02:47
6:50 AM	03:04	02:56	02:47	02:52	02:44	02:51	02:40	02:38	02:58	02:49	02:51	02:38
7:00 AM	03:11	02:56	02:55	03:00	02:46	02:48	02:44	02:41	04:30	02:53	02:48	02:44
7:10 AM	03:23	03:07	03:10	02:56	02:59	02:41	02:39	02:51	04:14	02:51	03:20	02:46
7:20 AM	03:19	02:58	02:56	03:09	03:09	02:42	02:42	02:43	03:02	03:02	02:52	02:48
7:30 AM	03:25	02:54	03:01	03:06	03:05	02:42	03:01	02:29	03:07	03:04	02:53	03:00
7:40 AM	03:22	02:53	03:11	03:15	03:25	02:43	03:00	02:46	02:53	03:00	02:58	03:02
7:50 AM	02:55	02:55	02:47	03:21	03:06	02:44	03:01	03:07	03:18	03:11	03:29	03:05
8:00 AM	02:55	03:10	02:59	02:55	02:58	03:18	03:04	03:25	02:57	02:54	03:09	02:53
8:10 AM	03:11	02:59	03:17	03:29	02:59	03:02	03:14	02:54	03:04	02:52	03:21	03:02
8:20 AM	03:25	03:05	03:22	03:31	02:45	03:12	03:03	03:03	02:58	02:58	02:59	03:09
8:30 AM	03:08	03:22	03:21	03:27	03:03	03:31	03:17	03:08	02:58	03:23	03:10	03:02
8:40 AM	03:06		03:32	03:39	02:57	02:54	03:32	03:08	02:50	03:10	03:03	03:09
8:50 AM	02:57	03:28	03:22	03:14	03:09	02:53	03:41	02:57	03:13	02:50	03:40	03:02
9:00 AM	02:58	03:20	03:10	03:07	03:23	03:16	03:20	03:00	03:10	03:12	03:22	03:17
9:10 AM	03:04	03:25	02:59	03:00	03:25	03:03	03:10	03:09	03:10	03:02	02:53	03:07
9:20 AM	03:23	03:30	03:40	02:53	03:13	03:06	02:55	03:02	03:22	03:26	03:07	03:10
9:30 AM	03:10	03:46	03:26	03:17	03:07	03:15	03:00	03:16	03:18	03:24	03:09	03:17
9:40 AM	03:26	03:24	03:38	03:35	03:17	03:06	03:01	03:17	03:14	03:20	03:02	03:06
9:50 AM	03:08	03:23	03:38	03:26	03:17	03:16	03:17	03:20	03:18	03:10	03:18	03:06
10:00 AM	03:31	03:03	03:21	03:19	03:05	03:17	03:06	03:03	03:14	02:56	03:17	03:19
10:10 AM	03:56	03:08	04:12	03:12	03:19	03:27	03:05	03:25	03:40	02:57	03:20	03:18
10:20 AM	03:21	03:01	03:30	03:21	03:31	03:13	03:11	03:14	03:00	03:07	03:08	03:04
10:21 AM							03:12	03:12	03:06	02:51	03:07	02:58
10:30 AM	03:16	03:07	03:08	03:20	03:22	03:11	03:08	03:20	03:10	02:58	02:59	02:57
10:40 AM	03:10	03:16	03:23	03:07	03:21	03:03	03:14	03:13	03:18	03:27	03:15	03:00
10:50 AM	03:11	03:19	03:13	03:12	03:03	03:07	03:32	03:09	03:19	03:23	03:20	03:08
11:00 AM	03:09	03:22	03:19	03:08		03:07	03:10	03:29	03:13	03:33	03:04	03:07
11:10 AM	03:22	03:31	03:19	03:02	03:17	03:19	03:24	03:38	03:23	03:35	02:58	03:13
11:20 AM	03:06	03:32	03:11	03:08	03:17	03:19	03:33	03:01	03:09	03:29	03:05	03:26



ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:00	03:52	03:19	03:32	03:18	03:23	03:41	03:09	03:05	03:35	03:42	03:22
11:40 AM	03:07	03:53	03:12	03:37	03:10	03:15	03:31	03:53	03:18	03:25	03:27	03:58
11:50 AM	03:16	03:48	03:28	03:33	03:11	03:14	03:20	03:53	03:29	03:37	03:23	03:43
12:00 PM	03:36	03:26	03:41	03:42	03:25	03:37	03:31	03:50	03:29	04:01	03:34	03:39
12:10 PM	03:40	03:48	03:55	03:29	03:16	03:32	03:33	03:28	03:30	03:59	03:39	03:34
12:20 PM	03:43	03:31	04:07	03:21	03:34	03:28	03:33	03:44	03:25	03:41	03:30	03:34
12:30 PM	03:35	03:08	04:08	03:31	04:12	03:30	03:13	03:30	03:18	03:34	03:33	03:29
12:40 PM	03:54	03:25	04:04	03:18	03:40	03:21	03:45	03:16	03:09	03:42	04:02	03:20
12:50 PM	03:33	03:20	03:33	03:23	03:27	03:31	03:29	03:30	03:22	03:37	04:12	03:28
1:00 PM	04:03	03:10	03:20	03:17	03:29	03:36	03:12	03:40	03:26	03:14	03:42	03:24
1:10 PM	03:43	03:09	03:23	03:12	03:31	03:39	03:26	03:28	03:03	03:19	03:13	03:24
1:20 PM	03:24	03:25	03:17	03:20	03:31	03:38	03:24	03:30	02:50	03:18	03:35	03:18
1:30 PM	03:22	03:21	03:05	03:14	03:27	03:21	03:16	03:41	03:08	03:46	03:28	03:30
1:40 PM	03:31	03:17	03:24	03:09	03:39	03:30	03:01	03:40	03:01	03:20	03:16	03:23
1:50 PM	03:22	03:23	03:20	03:14	03:34	03:29	03:28	03:26	02:55	03:29	03:31	03:06
2:00 PM	03:13	03:22	03:16	03:19	03:34	03:33	03:24	03:14	02:56	03:22	03:37	02:58
2:10 PM	03:32	03:19	03:22	03:22	03:44	03:33	03:14	03:26	03:00	03:26	03:26	03:03
2:20 PM	03:45	03:40	03:22	03:14	03:17	03:29	03:14	03:27	02:59	03:25	03:41	02:58
2:30 PM	03:16	03:21	03:29	03:25	03:06	03:30	03:46	03:23	03:03	03:21	03:53	03:00
2:40 PM	03:19	03:36	03:33	03:29	03:11	03:17	03:13	03:27	03:05	03:28	03:33	03:11
2:50 PM	03:13	03:46	03:33	03:28	03:23	03:29	03:31	03:14	02:56	03:33	03:40	02:58
3:00 PM	03:04	03:39	03:20	03:21	03:24	03:32	03:35	03:15	02:51	03:32	03:36	03:01
3:10 PM	03:03	04:34	03:06	03:19	03:32	03:12	03:42	03:26	03:05	03:38	03:08	03:23
3:20 PM	03:00	03:30	03:12	03:41	03:58	03:12	03:29	03:22	03:10	03:30	03:24	03:31
3:30 PM	03:12	03:10	03:16	03:28	03:27	03:12	03:21	03:22	03:13	03:17	03:29	03:26
3:40 PM	03:20	03:15	03:13	03:22	03:32	03:42	03:12	03:56	03:20	03:01	03:24	03:52
3:50 PM	03:14	03:15	03:17	03:17	03:31	03:25	03:37	03:42	03:12	03:00	03:20	03:12
4:00 PM	03:02	03:58	03:16	03:26	04:05	03:27	03:30	03:37	02:56	03:03	03:28	03:34
4:10 PM	03:27	03:42	03:36	03:14	03:31	04:10	03:27	03:42	03:06	03:15	03:18	03:24
4:20 PM	03:46	03:24	03:14	03:32	03:10	03:25	03:29	03:33	03:21	03:22	03:28	03:26
4:30 PM	03:19	03:24	03:14	03:39	03:31	03:57	03:55	03:21	03:20	03:39	04:01	03:19
4:40 PM	03:24	03:03	03:34	03:28	03:43	03:40	03:33	03:35	03:05	03:49	03:45	03:29
4:41 PM	03:23						03:28	03:46	03:20	03:52	03:47	03:35
4:50 PM	03:31	03:38	03:28	03:46	03:34	03:33	03:41	03:33	03:25	04:01	03:42	03:51
5:00 PM	03:13	03:39	03:21	03:23	03:34	03:35	03:22	03:27	03:17	03:34	04:17	03:45
5:10 PM	03:38	03:29	03:35	03:34	03:55	03:51	03:52	03:36	03:10	03:49	04:08	03:29
5:20 PM	03:56	03:39	04:06	04:11	04:15	04:20	03:50	03:28	03:09	03:57	03:59	03:36
5:30 PM	04:00	03:29	03:49	04:22	04:03	03:41	03:59	03:40	03:04	03:36	04:26	03:25
5:40 PM	03:41	03:49	03:49	03:56	04:22	03:59	03:55	04:03	03:00	03:46	03:56	03:38
5:50 PM	03:49	03:47	03:51	03:37	03:30	03:54	03:46	03:37	03:07	03:43	03:43	03:42
6:00 PM	03:35	03:48	03:34	03:27	03:47	03:45	03:47	03:40	03:15	03:49	03:46	03:23
6:10 PM	03:48	03:19	03:35	03:44	03:34	03:52	03:52	03:34	03:01	03:31	03:26	04:01

ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	03:46	03:27	03:54	03:27	03:51	03:51	03:35	03:29	03:27	04:02	03:23	03:56
6:30 PM	04:01	03:26	03:51	03:22	03:25	03:19	03:26	03:31	03:14	03:59	03:27	03:54
6:40 PM	03:51	03:25	03:37	03:53	03:34	03:28	03:05	03:19	03:13	04:16	03:16	03:43
6:50 PM	03:42	03:31	03:20	03:34	03:30	03:19	03:12	03:20	03:27	04:02	03:18	03:32
7:00 PM	03:34	03:27	03:08	03:26	03:29	03:20	03:24	03:19	03:22	03:50	03:24	03:29
7:10 PM	03:49	03:23	03:10	03:18	03:23	03:18	03:30	03:20	03:20	03:46	03:23	03:18
7:20 PM	03:46	03:20	03:07	03:14	03:30	03:22	03:27	03:21	03:22	03:25	03:17	03:22
7:30 PM	03:26	03:18	03:01	03:18	03:33	03:24	03:14	03:18	03:17	03:12	03:26	03:22
7:40 PM	03:43	03:17	02:58	03:16	03:32	03:23	03:08	03:21	03:19	03:15	03:16	03:25
7:50 PM	03:32	03:19	03:04	03:18	03:29	03:15	02:59	03:16	03:13	03:15	03:08	03:23
8:00 PM	03:25	03:10	03:09	03:26	03:17	03:14	03:00	03:34	03:20	03:16	03:28	03:15
8:10 PM	03:35	03:05	02:59	03:32	03:15	03:07	02:53	03:35	03:20	03:27	03:10	03:10
8:20 PM	03:37	03:14	03:01	03:38	02:57	03:16	02:56	03:20	03:13	03:25	03:03	03:08
8:30 PM	03:30	03:12	02:58	03:11	03:02	03:12	03:04	03:34	04:06	03:15	03:02	03:10
8:40 PM	03:06	03:17	02:52	03:08	02:56	02:58						
8:50 PM	03:19	03:02	02:51	03:05	02:56	02:55						

Traction Probe Data Heatmap

ROUTE Pacific Heights Blvd SB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:40	02:43	02:39	02:52	02:47	02:44	02:33	02:42	02:53	02:45	02:40
5:20 AM		02:40	02:42	02:42	02:48	02:47	02:41	02:36	02:42	02:51	02:46	02:41
5:30 AM		02:40	02:46	02:39	03:07	02:49	02:42	02:46	02:42	03:11	02:49	02:42
5:40 AM		02:42	03:00	02:42	03:10	02:56	02:44	03:02	02:43	03:12	02:55	02:42
5:50 AM		02:43	02:50	02:42	03:09	02:55	02:44	03:00	02:42	03:09	02:56	02:43
6:00 AM		02:47	03:18	02:55	03:34	02:53	02:49	03:31	03:03	03:29	03:13	02:46
6:10 AM		03:04	03:41	03:02	03:42	02:55	03:05	03:49	03:08	03:44	02:52	02:58
6:20 AM		03:05	03:41	03:03	03:45	02:56	03:02	04:13	03:04	03:44	02:58	02:59
6:30 AM		03:02	03:36	02:58	04:13	02:56	03:05	03:57	02:59	04:07	03:10	03:02
6:40 AM		02:58	03:44	03:20	03:45	03:12	03:04	03:43	03:17	03:41	03:03	02:59
6:50 AM		02:59	03:45	03:31	03:48	03:15	03:07	03:39	03:20	03:38	03:09	03:08
7:00 AM		03:04	03:01	03:23	03:47	03:18	03:20	03:08	03:30	03:40	03:09	03:18
7:10 AM		03:10	03:04	03:25	03:23	03:23	03:19	02:55	03:37	03:24	03:14	03:05
7:20 AM		03:16	03:09	03:21	03:19	03:14	03:11	02:57	03:18	03:30	03:13	03:01
7:30 AM		03:06	03:01	03:19	03:12	03:14	03:08	02:56	03:13	03:22	03:16	03:01
7:40 AM		03:11	03:05	03:17	03:11	03:00	03:13	03:11	03:06	03:21	03:24	03:07
7:50 AM		03:13	03:08	03:17	03:04	03:28	03:09	03:15	03:12	03:31	03:16	03:18
8:00 AM		03:21	03:21	03:27	03:21	03:16	03:11	03:24	03:17	03:25	03:20	03:16
8:10 AM		03:45	03:13	03:40	03:26	03:08	03:05	03:19	03:14	03:45	03:33	03:25
8:20 AM		03:46	03:05	03:27	03:28	03:20	03:06	03:16	03:09	03:49	03:41	03:13
8:30 AM		03:40	03:08	03:20	03:29	03:21	03:23	04:02	02:58	04:03	03:27	03:19
8:40 AM		03:43	03:12	03:13	03:26	03:19	03:47	03:26	03:04	03:36	03:37	03:30
8:50 AM		03:42	03:13	02:59	03:17	03:14	03:39	03:21	03:10	03:35	03:19	03:33
9:00 AM		03:22	03:19	03:10	03:17	03:13	03:38	03:17	03:14	03:12	03:25	03:16
9:10 AM		03:19	03:35	03:16	03:39	03:23	03:34	03:28	03:10	03:27	03:28	03:48
9:20 AM		03:11	03:20	03:38	03:51	03:36	03:26	03:29	03:14	03:32	03:24	03:29
9:30 AM		03:12	03:16	03:34	03:31	03:39	03:16	03:11	03:21	03:34	03:26	03:14
9:40 AM		03:02	03:18	03:38	03:30	04:00	03:36	03:19	03:34	03:25	03:18	03:48
9:50 AM		03:17	03:32	03:33	03:51	03:46	03:42	03:10	03:26	03:04	03:04	03:39
10:00 AM		03:15	03:09	03:21	03:17	03:39	03:34	03:14	03:29	03:19	03:03	03:27
10:10 AM		03:19	03:00	03:14	03:16	03:33	03:19	03:43	03:10	03:16	03:33	03:24
10:20 AM		03:12	03:35	03:15	03:22	03:35	03:21	03:33	03:35	03:05	03:17	03:14
10:21 AM								03:33				
10:30 AM		03:30	03:25	03:30	03:01	03:20	03:11	03:21	03:16	03:15	03:05	03:19
10:40 AM		03:10	03:18	03:30	03:12	03:06	02:59	03:25	03:29	03:12	02:57	03:14
10:50 AM		02:58	03:18	03:12	03:21	03:14	03:30	03:21	03:27	03:16	02:53	03:10
11:00 AM		02:55	03:16	03:32	03:09	03:28	03:03	03:07	03:15	03:07	03:01	03:01
11:10 AM		02:58	03:15	03:20	03:03	03:16	03:06	03:10		02:56	02:58	03:06
11:20 AM		03:08	03:25	03:10	03:06	02:57	03:05	03:06	02:58	02:53	02:48	03:13

ROUTE	Pacific Heights Blvd SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		02:56	02:56	03:08	03:25	02:51	03:03	03:06	03:03	03:06	03:00	03:12
11:40 AM		03:02	02:54	03:07	03:24	02:53	03:18	02:50	03:23	02:53	03:13	03:05
11:50 AM		03:06	03:05	03:06	03:21	03:11	03:17	02:54	03:13	03:00	03:25	03:36
12:00 PM		03:07	03:09	03:04	03:21	03:27	03:08	03:23	03:31	03:11	03:08	03:51
12:10 PM		03:11	03:19	03:09	03:31	03:12	03:27	03:10	03:31	03:16	03:20	03:30
12:20 PM		03:24	03:25	03:19	03:41	03:14	03:18	03:35	04:00	03:28	03:14	03:09
12:30 PM		03:23	03:11	03:07	03:23	03:07	03:29	03:52	03:27	03:15	03:58	03:26
12:40 PM		03:12	03:21	03:09	02:59	03:20	03:40	03:28	03:33	03:22	03:39	03:26
12:50 PM		03:23	03:19	03:20	03:29	03:21	03:11	03:36	03:50	03:19	03:48	03:16
1:00 PM		03:16	03:17	03:18	03:27	03:20	03:12	03:22	03:36	03:07	03:30	03:22
1:10 PM	03:25	03:26	03:18	03:19	03:13	02:58	03:10	03:30	03:46	03:21	03:16	03:21
1:20 PM	03:58	03:05	03:16	03:09	03:15	03:15	03:13	03:36	03:19	03:19		03:19
1:30 PM	03:04	03:25	03:14	03:17	03:05	03:30	03:30	03:56	03:36	03:26	03:13	03:18
1:40 PM	03:11	03:27	03:17	03:12	03:36	03:45	03:33	03:20	03:35	03:07	03:21	03:26
1:50 PM	03:10	03:23	03:09	03:24	03:26	03:31	03:31	03:17	03:26	03:17	03:20	03:28
2:00 PM	03:16	03:10	03:21	03:13	03:23	03:26	03:18	03:16	03:24	03:10	03:16	03:21
2:10 PM	03:05	02:56	03:21	03:20	03:01	03:04	03:00	03:15	03:13	03:02	03:11	03:22
2:20 PM	03:17	03:15	02:53	03:32	02:48	03:15	02:54	03:09	03:14	02:56	03:03	03:28
2:30 PM	03:06	03:18	02:50	03:08	03:01	03:04	03:15	03:24	03:06	02:48	03:06	03:24
2:40 PM	03:24	03:05	02:52	03:14	03:06	02:56	03:23	03:15	03:27	03:05	02:51	03:16
2:50 PM	03:07	03:03	02:51	03:10	03:16	04:11	03:22	03:06	03:17	03:08	03:03	03:14
3:00 PM	02:57	03:04	03:10	03:07	02:54	02:55	03:05	03:16	03:37	03:08	03:05	03:00
3:10 PM	03:03	02:56	03:07	03:15	03:16	03:08	02:57	03:25	03:29	03:15	03:06	02:51
3:20 PM	03:03	02:49	02:52	02:54	02:59	03:02	03:14	03:13	03:30	03:13	03:10	03:01
3:30 PM	02:58	02:58	02:56	02:57	03:07	03:01	03:08	03:04	03:10	03:11	02:45	03:00
3:40 PM	03:05	03:02	03:13	03:04	03:25	03:03	03:07	03:09	03:22	03:45	02:54	02:58
3:50 PM	03:12	03:08	03:02	03:17	03:04	03:25	02:54	03:31	03:15	02:53	02:53	03:10
4:00 PM	03:03	03:00	03:11	03:16	03:14	03:00	03:01	03:28	03:04	02:59	03:04	03:14
4:10 PM	03:15	02:57	03:21	03:11	03:19	03:12	03:04	03:10	03:29	02:58	03:01	02:58
4:20 PM	03:03	03:03	03:17	03:19	03:56	03:14	03:11	03:19	04:32	03:13	03:23	03:19
4:30 PM	02:55	03:06	03:07	03:24	03:18	03:11	03:07	03:18	03:43	02:54	03:19	03:11
4:40 PM	02:55	02:56	03:00	03:19	03:45	02:53	03:18	03:06	03:36	02:50	03:23	03:03
4:41 PM												
4:50 PM	02:56	03:01	03:43	03:20	03:15	03:05	03:10	02:56	04:30	03:14	03:11	03:03
5:00 PM	02:56	03:13	02:58	03:13	03:23	03:07	03:33	02:59	04:27	03:11	03:01	03:13
5:10 PM	03:02	03:37	03:32	03:57	03:14	03:11	03:35	03:23	04:36	03:01	03:23	03:26
5:20 PM	03:02	03:38	03:20	03:41	03:26	03:36	03:36	03:12	05:03	03:17	03:53	03:37
5:30 PM	03:10	03:33	03:27	03:34	03:22	03:30	03:25	03:11	05:15	03:20	03:28	03:32
5:40 PM	03:05	03:50	03:12	03:32	04:23	02:55	03:28	03:16	05:03	03:09	03:15	03:30
5:50 PM	03:14	03:26	03:10	03:08	03:14	03:16	03:07	03:11	05:45	02:59	03:06	03:35
6:00 PM	03:13	03:33	03:08	02:59	03:04	03:22	03:26	03:07	04:20	03:08	03:07	03:23
6:10 PM	03:03	04:02	03:13	03:07	02:49	03:06	03:15	03:13	04:21	02:59	03:27	03:11



ROUTE	Pacific Heights Blvd SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	03:09	03:20	03:16	03:01	03:06	03:06	03:17	03:11	04:17	03:04	03:20	03:34
6:30 PM	03:08	03:33	03:23	03:02	03:11	03:10	03:05	03:10	03:14	02:51	03:28	03:05
6:40 PM	02:54	03:09	03:30	03:13	03:02	03:09	03:05	03:07	03:10	02:45	03:10	03:09
6:50 PM	03:18	03:01	03:29	03:08	02:52	02:56	03:03	03:02	03:06	02:47	02:56	02:57
7:00 PM	03:08	03:15	02:53	02:50	03:08	02:57	02:48	02:55	02:54	02:42	02:53	03:02
7:10 PM	02:50	02:59	02:44	02:48	02:40	03:11	02:57	02:57	03:21	02:48	03:03	03:12
7:20 PM	03:05	03:00	02:50	03:04	02:48	03:02	03:03	03:00	03:15	02:43	02:52	03:01
7:30 PM	03:03	03:03	03:14	03:09	02:57	03:10	03:05	02:51	03:06	02:54	02:58	03:01
7:40 PM	02:47	02:52	03:05	03:08	02:56	02:53	03:07	02:50	03:00	02:51	02:58	03:00
7:50 PM	02:53	02:48	03:02	03:02	02:51	02:55	02:58	02:40	02:51	03:02	03:03	03:04
8:00 PM	02:46	02:52	03:12	03:04	02:44	02:47	02:56	02:51	02:49	02:49	03:03	03:07
8:10 PM	02:43	02:47	03:20	02:44	02:53	02:44	02:35	02:54	02:52	02:53	03:00	02:51
8:20 PM	02:46	02:45	03:15	02:35	02:40	02:39	02:32	03:07	02:49	02:51	03:01	02:52
8:30 PM	02:53	02:47	03:14	02:31	02:38	02:35	02:31	03:02	03:07	02:51	02:48	02:45
8:40 PM	02:57	02:45	02:46	02:24	02:35	02:31	02:33	02:54	02:57	02:51	02:52	02:45
8:50 PM	02:59	02:38	02:47	02:25	02:39	02:33	02:37	02:52	03:00	02:40	03:03	02:52

Traction Probe Data Heatmap												
ROUTE	Pacific Heights Blvd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:32	02:43	02:51	02:49	02:40	02:38	02:43	02:53	02:44	02:43	02:38	02:43
5:20 AM	02:31	02:43	02:50	02:52	02:41	02:35	02:43	02:52	02:45	02:45	02:38	02:42
5:30 AM	02:42	02:43	03:08	02:49	02:43	02:36	02:41	03:07	02:48	02:43	02:39	02:45
5:40 AM	02:57	02:45	03:04	02:58	02:44	02:44	02:45	03:19	02:55	02:43	03:01	02:46
5:50 AM	02:55	02:45	03:03	02:56	02:42	02:43	02:45	03:17	02:54	02:47	03:02	02:48
6:00 AM	03:28	03:05	03:26	02:55	02:44	03:09	03:20	03:38	02:57	02:50	03:29	02:58
6:10 AM	03:49	03:13	03:28	04:41	02:57	03:15	03:23	03:37	03:00	03:03	03:27	02:50
6:20 AM	03:45	03:15	03:32	04:20	03:00	03:40	03:23	03:39	03:02	03:05	03:23	02:56
6:30 AM		03:03	04:02	04:08	03:15	03:14	03:13	03:48	03:09	02:57	03:15	02:58
6:40 AM	03:42	03:32	03:38	03:33	03:01	03:40	03:20	03:28	03:22	02:58	03:25	03:12
6:50 AM	03:46	03:44	03:51	03:26	03:06	03:42	03:09	03:45	03:20	03:17	03:25	03:14
7:00 AM	03:07	03:08	03:43	03:15	03:04	03:12		03:26	03:36	03:07	02:55	03:20
7:10 AM	02:59	03:17	03:30	03:25	03:11	03:14	03:20	03:14	03:22	03:15	02:57	03:23
7:20 AM	03:06	03:42	03:23	03:11	03:08	03:20	03:29	03:07	03:22	03:26	02:52	03:24
7:30 AM	03:08	03:07	03:20	03:00	03:08	03:17	03:16	02:58	03:22	03:18	03:02	03:16
7:40 AM	03:09	03:05	03:19	03:23	03:07	03:20	03:17	03:01	03:29	03:15	03:03	03:16
7:50 AM	03:06	03:10	03:20	03:24	03:25	03:09	03:19	03:19	03:24	03:10	03:07	03:23
8:00 AM	03:20	03:02	03:30	03:43	03:07	03:22		03:29	03:34	03:16	03:35	03:19
8:10 AM	03:33	03:03	03:34	03:49	03:27	03:25	03:27	03:32	03:29	03:22	03:40	03:27
8:20 AM	03:58	03:06	03:33	03:39	03:26	03:43	03:12	03:52	03:36	03:19	03:21	03:15
8:30 AM	03:52	03:11	03:26	03:39	03:44	03:37		03:52	03:31	03:21	03:34	03:19
8:40 AM	03:25		03:24	03:39	03:49	03:21	03:09	03:32	03:24	03:32	03:27	03:13
8:50 AM	03:43	03:09	03:11	03:28	03:35	03:18	03:14	03:44	03:19	03:31	03:08	03:08
9:00 AM	03:23	03:18		03:32	03:17	03:17	03:33	03:50	03:19	03:25	03:09	03:26
9:10 AM	03:13	03:07	03:13	03:21	03:08	03:22	04:06	03:40	03:21	03:32	03:08	03:32
9:20 AM	03:17	03:13	03:22	03:08	03:13	03:26	03:51	03:28	03:19	03:29	03:02	03:38
9:30 AM	03:27	03:17	03:27	03:34	03:40	03:21	03:47	03:36	03:29	03:24	03:09	03:34
9:40 AM	03:17	03:16	03:21	03:29	03:25	03:14	04:06	03:34	03:16	03:21	03:16	03:18
9:50 AM	03:14	03:19	03:23	03:38	03:20	03:24	03:47	03:49	03:19	03:11	03:22	03:16
10:00 AM	03:23	03:07	03:40	03:37	03:26	03:13	03:54	03:31	03:30	03:26	03:28	03:27
10:10 AM	03:35	02:57	03:47	03:43	03:23	03:21	03:20	03:11	03:24	03:26	03:12	03:12
10:20 AM	03:41	03:06	03:31	03:26	03:08	03:09	03:07	02:59	03:10	03:22	03:25	03:11
10:21 AM							03:01	03:01	03:09	03:36	03:19	03:21
10:30 AM	03:15	03:09	03:15	03:54	03:39	02:59	03:06	03:07	03:08	03:23	03:23	03:19
10:40 AM	03:17	03:10	03:18	03:29	03:16	03:16	03:02	03:23	03:12	03:32	03:12	02:59
10:50 AM	03:02	03:08	03:25	02:58	03:09	02:58	02:59	03:05	03:13	03:21	03:05	03:11
11:00 AM	03:05	02:55	03:10	02:54		03:30	03:11	03:15	03:18	03:21	03:07	03:03
11:10 AM	02:55	03:35	03:12	03:02	03:04	03:21	03:30	03:02	03:09	03:11	03:13	03:07
11:20 AM	03:15	03:37	03:20	03:09	03:02	03:07	03:19	03:13	03:12	03:08	03:10	03:15

ROUTE	Pacific Heights Blvd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:08	03:10	03:30	02:59	03:03	03:01	03:06	03:09	03:13	03:13	03:22	03:24
11:40 AM	03:01	03:05	03:45	03:11	03:16	03:11	03:08	03:27	03:18	03:23	03:32	03:25
11:50 AM	03:00	03:12	03:14	03:27	03:20	03:07	03:54	03:29	03:26	03:28	03:08	
12:00 PM	03:05		03:25	03:28	03:39	03:32	03:39	03:34	03:09	03:11	03:31	03:20
12:10 PM	03:34	03:08	03:21	03:25	03:11	03:13	03:17	03:26	03:13	03:19	03:41	03:22
12:20 PM	03:47	03:11	03:20	03:56	03:11	03:21	03:41	03:28	03:42	03:18	03:23	03:07
12:30 PM	03:29	03:20	03:10	03:25	03:07	03:14	03:20	03:04	03:36	03:27	03:32	03:26
12:40 PM	03:19	03:31	03:32	03:22	03:30	03:10	03:24	03:13	03:37	03:20	03:38	03:19
12:50 PM	03:23	03:14	03:22	03:19	03:17	03:11	03:25	03:13	03:33	03:24	03:26	03:22
1:00 PM	03:33	03:25	03:32	03:23	03:15	03:27	03:30	03:43	03:37	03:23	03:35	03:11
1:10 PM	03:15	03:36	03:34	03:18	03:29	03:15	03:33	03:25	03:34	03:26	03:32	03:11
1:20 PM	03:14	03:26	03:17	04:18	03:09	03:10	03:19	03:33	03:25	03:31	03:39	02:59
1:30 PM	03:25	03:14	03:12	04:59	03:15	03:40	03:30	03:31	03:40	03:27	04:02	03:28
1:40 PM	03:14	03:16	03:20	03:50	03:19	03:11	03:09	03:40	03:39	03:02	03:41	03:05
1:50 PM	03:30	03:23	03:23	04:13	03:12	03:42	03:20	03:50	03:20	03:07	03:16	03:15
2:00 PM	03:17	03:13	03:06	04:12	03:02	03:14	03:06	03:46	03:19	03:19	03:14	03:32
2:10 PM	03:06	03:36	03:05	04:01	02:55	03:03	03:05	03:20	03:15	03:11	03:05	03:24
2:20 PM	03:14	02:58	03:11	03:09	03:08	03:05	03:20	03:34	03:01	03:09	03:11	03:16
2:30 PM	03:32	02:49	03:10	03:01	03:15	03:05	03:35	03:12	03:01	03:10	03:14	03:20
2:40 PM	03:02	03:02	03:07	02:53	03:29	03:16	03:16	03:04	02:56	03:11	02:58	03:19
2:50 PM	03:01	03:10	03:09	03:02	03:27	03:47	03:11	03:02	02:57	02:56	03:19	03:13
3:00 PM	02:47	02:51		03:12	03:10	03:08	03:15	02:58	02:58	03:08	03:04	03:05
3:10 PM	03:05	02:59	03:00	03:01	02:54	03:03	03:08	03:09	03:02	03:10	03:23	03:14
3:20 PM	03:00	03:09	03:16	03:05	03:13	03:19	03:05	03:08	03:05	02:55	03:24	03:04
3:30 PM	03:00	03:08	03:00	02:54	03:06	03:03	03:13	03:27	03:00	02:54	03:07	03:07
3:40 PM	02:57	03:02	03:02	03:17	03:33	03:26	03:06	02:52	03:03	02:57	03:08	03:00
3:50 PM	03:01	03:16	02:57	03:08	03:19	03:38	03:06	02:51	02:53	03:03	03:19	03:19
4:00 PM	03:11	02:49	02:53	03:15	03:35	03:10	03:23	03:02	02:53	03:12	03:21	03:05
4:10 PM	03:18	03:11	03:23	03:14	03:17	03:20	03:26	02:57	03:10	03:08	03:14	03:19
4:20 PM	03:26	03:29	03:18	03:30	03:28	03:47	03:07	02:52	03:06	03:15	03:24	03:08
4:30 PM	03:04	03:25	03:11	03:23	03:07	03:29	03:09	03:20	03:02	03:21	03:48	03:19
4:40 PM	03:17	03:20	03:38	03:13	02:58	03:25	03:49	03:10	03:02	03:21	03:43	03:20
4:41 PM	03:21						03:32	03:08	03:00	03:03	03:23	03:10
4:50 PM	02:58	03:25	03:04	03:22	03:21	03:52	03:31	03:01	02:51	03:56	03:50	03:32
5:00 PM	03:14	03:28	03:13	03:10	03:09	03:47	03:45	03:27	03:09	03:35	04:11	03:37
5:10 PM	03:16	04:35	03:08	03:52	03:15	04:14	03:18	03:05	03:07	03:32	04:08	03:05
5:20 PM	03:36	03:23	03:26	03:37	03:44	04:28	03:22	02:59	03:00	03:32	03:35	03:17
5:30 PM	03:19	03:26	03:11	03:29	03:18	03:51	03:09	03:12	02:52	03:28	03:36	03:19
5:40 PM	03:21	03:08	03:16	03:29	03:27	03:33	03:04	03:03	03:02	03:13	03:26	03:21
5:50 PM	03:31	03:24	03:01	03:16	03:08	03:50	03:10	03:07	03:07	03:10	03:02	03:04
6:00 PM	03:28	03:34	03:05	03:46	02:58	03:55	03:18	03:18	03:18	02:55	03:26	03:25
6:10 PM	03:19	03:23	03:17	03:09	03:08	04:09	03:10	03:03	03:14	03:09	03:20	03:26

ROUTE	Pacific Heights Blvd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	03:15	03:15	03:22	03:05	03:31	03:20	02:57	02:56	03:16	03:07	03:10	02:56
6:30 PM	03:10	03:19	02:59	03:07	03:31	03:17	02:49	02:59	03:08	03:14	03:16	02:46
6:40 PM	03:13	03:07	03:05	03:11	03:21	03:47	03:06	02:59	03:05	02:57	03:01	03:03
6:50 PM	03:17	02:53	03:08	03:07	02:57	03:26	03:24	02:53	03:08	03:08	02:56	02:45
7:00 PM	02:47	03:02	02:52	02:55	03:10	03:19	03:07	02:47	03:23	02:55	02:54	02:55
7:10 PM	02:44	02:44	02:55	02:56	02:57	03:20	02:52	02:43	03:06	03:00	02:45	02:59
7:20 PM	02:52	02:45	03:04	02:55	02:50	03:03	02:35	02:50	03:04	02:53	02:50	02:50
7:30 PM	02:56	02:51	03:08	02:43	02:51	03:25	02:39	02:51	02:51	02:48	02:49	02:51
7:40 PM	02:50	02:51	03:05	02:49	02:49	02:56	02:48	02:48	02:51	02:58	02:51	02:51
7:50 PM	02:55	02:50	03:17	02:47	02:41	03:11	02:40	02:55	02:59	02:49	02:54	02:51
8:00 PM	02:42	02:57	02:58	02:45	02:47	02:48	02:50	02:51	02:50	02:50	02:54	02:48
8:10 PM	02:48	02:46	02:43	02:35	02:33	02:53	02:39	02:45	02:49	02:36	02:50	02:49
8:20 PM	02:48	02:40	02:40	02:34	02:41	03:04	02:51	02:43	03:05	02:37	02:44	03:35
8:30 PM	02:48	02:41	02:41	02:34	02:54	02:57	02:45	02:45	03:00	02:34	02:50	03:26
8:40 PM	02:37	02:47	02:41	02:36	02:45	02:45						
8:50 PM	02:43	03:03	02:46	02:32	02:44	02:40						

Traction Probe Data Heatmap

ROUTE Sorrento Valley Blvd and Calle Cristobal EB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		08:42	07:55	08:12	08:33	08:36	08:17	09:07	08:07	08:14	08:25	08:17
5:20 AM		08:20	08:02	08:25	08:14	08:21	07:59	09:08	08:20	08:33	08:06	07:55
5:30 AM		08:18	08:07	08:27	08:08	08:12		09:13	08:21	08:41	08:07	07:48
5:40 AM		08:44	09:29	08:20	07:56	09:28	08:12	10:05	08:19	08:18	09:14	07:59
5:50 AM		08:49	09:00	08:22	08:06	09:21	08:45	09:21	08:20	08:52	09:11	08:14
6:00 AM		08:54	09:10	08:21	08:06	09:37	08:33	09:17	08:25	08:52	09:17	08:17
6:10 AM		08:56	09:39	08:09	08:28	09:35	08:39	09:10	08:26	09:18	09:27	08:14
6:20 AM		08:39	09:09	08:08	08:27	08:48	08:18	08:41	08:16	09:16	08:42	08:03
6:30 AM		08:21	08:51	08:04	08:27	08:33	08:16	08:51	08:19	09:23	08:37	
6:40 AM		08:08	08:34	08:06	08:23	08:23	08:17	08:39	08:16	09:15	08:11	08:21
6:50 AM		08:09	08:13	08:11	08:18	07:59	08:10	08:17	09:08	08:44	08:10	08:19
7:00 AM		08:12	08:24	07:50	08:03	08:05	08:02	08:30	09:11	08:23	08:31	08:25
7:10 AM		08:17	08:34	08:13	08:35	08:22	08:04	08:25	08:20	08:24	08:51	08:28
7:20 AM		08:35	08:33	07:59	08:43	08:32	08:17	08:16	08:23	08:12	08:30	08:49
7:30 AM		08:32	08:20	07:58	08:14	08:18	08:22	08:06	08:24	08:19	08:19	08:49
7:40 AM		08:25	08:51	08:59	08:53	08:36	08:42	08:36	08:16	08:44	08:33	08:54
7:50 AM		08:43	08:59	08:33	08:37	08:58	08:25	08:49	09:38	08:32	09:24	08:43
8:00 AM		09:01	09:14	08:34	08:33	08:56	08:38	08:25	08:39	08:27	09:24	08:53
8:10 AM		08:51	08:46	08:53	08:19	09:08	08:46	08:32	08:28	08:27	09:09	08:56
8:20 AM		08:56	09:05	08:52	08:41	09:08	08:55	09:11	08:25	08:35	09:12	08:43
8:30 AM		08:55	08:38	09:00	08:31	08:57	08:57	09:24	08:36	09:30	08:51	09:04
8:40 AM		08:44	09:21	08:53	08:29	08:47	08:47	09:16	08:37	08:53	08:38	09:04
8:50 AM		08:57	08:46	08:36	08:37	08:54	08:42	09:08	08:28	08:56	08:28	08:55
9:00 AM		08:57	09:05	09:00	08:44	09:18	08:51	08:29	08:23	08:38	08:41	08:36
9:10 AM		08:38	08:48	08:21	08:25	08:40	08:37	08:25	08:59	08:40	08:45	08:40
9:20 AM		08:44	08:38	08:22	08:33	08:17	08:45	08:20	08:47	08:28	09:05	08:28
9:30 AM		08:24	08:50	08:34	08:38	08:20	08:55	08:27	08:36	08:39	09:28	08:32
9:40 AM		08:17	08:29	08:29	08:25	08:07	08:21	08:23	08:30	08:34	08:47	08:24
9:50 AM		08:12	08:40	08:16	08:25	08:21	08:29	08:35	08:57	08:22	08:51	09:26
10:00 AM		08:30	08:17	08:16	09:15	08:33	09:04	08:15	08:22	08:22	08:31	08:19
10:10 AM		08:31	08:13	08:21	08:14	08:34	08:09	08:12	08:18	08:33	08:12	08:10
10:20 AM		08:53	08:37	09:05	08:27	08:27	08:13	08:22	08:37	08:19	08:19	08:40
10:21 AM								08:19				
10:30 AM		08:25	08:11	08:24	08:30	08:02	08:11	08:26	08:20	08:23	07:59	08:05
10:40 AM		08:19	08:03	08:13	08:30	08:04	08:17	08:35	08:25	08:30	08:09	08:54
10:50 AM		08:34	08:15	08:43	08:14	08:02	08:25	08:17	08:14	08:02	08:02	08:04
11:00 AM		08:31	08:25	08:18	08:52	08:05	08:44	08:05	08:08	08:38	07:52	08:05
11:10 AM		08:35	08:19	08:02	08:19	08:08	08:31	08:09		08:07	08:00	08:02
11:20 AM		08:03	08:09	08:06	08:07	08:28	08:03	08:33	08:08	07:58	08:02	07:43



ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:08	08:14	08:26	08:16	07:58	07:55	07:43	08:13	08:09	08:01	08:14
11:40 AM		07:48	08:24	08:09	08:18	08:06	08:00	07:58	08:03	08:11	08:16	09:30
11:50 AM		08:29	08:23	08:31	08:19	08:13	08:07	08:00	08:14	09:03	08:17	08:14
12:00 PM		08:03	08:20	08:45	08:28	08:09	08:16	07:56	08:13	08:46	08:22	08:05
12:10 PM		07:53	07:57	08:05	08:14	07:53	08:04	08:12	08:22	08:06	08:11	08:09
12:20 PM		07:56	07:48	08:04	08:10	08:25	08:23	08:01	08:26	08:27	08:36	08:11
12:30 PM		08:17	07:52	08:04	08:02	08:37	08:14	08:14	08:19	07:58	08:23	08:22
12:40 PM		08:28	07:52	08:33	08:43	08:41	09:08	08:22	08:18	08:15	08:38	08:25
12:50 PM		08:27	08:06	08:36	08:12	08:39	07:55	08:36	08:18	08:10	08:49	08:20
1:00 PM		08:21	08:04	08:21	08:17	08:29	08:18	08:11	08:25	08:01	08:08	08:08
1:10 PM	08:09	08:26	07:47	08:11	08:30	08:31	08:12	08:10	08:10	07:53	08:19	08:17
1:20 PM	08:17	08:24	08:16	08:10	07:58	08:39	08:30	08:21	08:05	08:30		08:19
1:30 PM	08:41	08:16	08:13	08:11	08:00	07:53	08:38	08:08	07:46	08:10	08:28	08:04
1:40 PM	08:53	08:13	08:20	08:22	08:19	08:17	08:23	08:17	08:12	08:08	08:31	08:38
1:50 PM	08:23	08:04	08:45	08:09	08:40	08:21	08:06	08:09	08:32	08:25	08:08	07:47
2:00 PM	07:53	08:02	07:50	08:00	08:21	07:54	08:33	08:00	08:38	08:16		08:04
2:10 PM	08:09	08:22	08:09	08:11	08:21	07:46	07:59	08:06	08:40	07:57	07:59	08:30
2:20 PM	07:59	08:04	08:08	07:58	08:11	08:46	08:15	07:48	09:22	07:54	08:21	08:01
2:30 PM	08:10	08:12	08:00	08:27	08:19	07:51	08:23	07:59	09:06	08:07	08:21	08:09
2:40 PM	08:49	08:08	08:22	08:02	08:05	08:01	08:34	07:56	08:16	08:05	08:11	08:06
2:50 PM	08:17	08:08	07:54	07:50	07:54	07:57	08:24	07:55	08:26	07:58	08:18	08:13
3:00 PM	08:03	08:18	07:59	07:59	08:28	08:14	08:25		08:40	08:01	07:55	08:32
3:10 PM	08:15	08:19	08:08	07:59	08:39	08:21	07:55	08:05	09:13	07:52	08:28	08:37
3:20 PM	07:59	07:57	08:13	08:17	08:04	08:00	08:23	08:27	08:37	08:21	08:06	08:46
3:30 PM	08:08	08:08	07:44	08:03	08:19	08:14	08:14	08:15	08:47	08:07	08:23	08:15
3:40 PM	08:12	08:37	07:54	07:40	08:02	08:33	08:04	07:52	09:02	07:52	09:19	08:00
3:50 PM	08:08	08:13	07:48	08:24	08:21	07:50	07:45	08:11	10:10	07:53	08:31	09:22
4:00 PM	08:01	08:27	07:59	07:54	07:58	07:50	07:46	08:03	09:32	08:26	08:08	09:05
4:10 PM	07:57	08:41	08:54	08:08	08:45	08:09	08:33	08:09	09:13	08:25	09:34	08:11
4:20 PM	08:20	08:03	08:58	08:17	08:30	08:38	08:44	08:12	09:39	09:04	08:16	08:30
4:30 PM	07:57	08:23	08:31	08:22	08:46	08:15	08:30	08:36	10:05	08:10	08:47	08:24
4:40 PM	08:07	08:22	08:42	09:00	08:47	08:23	08:37	08:42	11:03	08:16	08:29	08:36
4:41 PM												
4:50 PM	08:32	08:21	08:46	08:41	08:42	08:43	08:29	08:26	10:50	08:45	08:56	08:18
5:00 PM	08:13	08:22	08:42	08:24	08:49	08:43	08:15	08:33	11:55	08:00	10:23	09:14
5:10 PM	08:12	08:58	08:29	10:20	09:11	08:35	08:42	09:28	11:22	08:27	10:36	09:02
5:20 PM	08:38	08:51	09:06	09:03	09:17	08:52	08:44	09:00	11:35	08:27	10:43	09:06
5:30 PM	08:31	09:26	09:03	09:04	08:55	08:38	08:48	10:15	11:12	08:37	09:14	08:59
5:40 PM	08:49	09:55	09:31	09:09	09:02	08:49	09:17	09:10	11:03	08:29	09:28	09:15
5:50 PM	08:13	08:50	09:24	08:33	09:16	08:32	08:45	09:11	12:35	08:29	09:16	09:48
6:00 PM	08:22	08:28	09:02	09:12	08:51	08:44	09:46	08:43	11:29	08:06	08:52	08:39
6:10 PM	08:10	08:26	08:35	09:18	08:33	08:51	09:25	08:37	10:27	09:00	08:22	08:54

ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	08:04	08:31	08:24	08:26	08:21	08:18	08:17	08:32	09:33	08:07	08:50	09:01
6:30 PM	08:07	08:22	08:19	08:29	08:45	08:12	08:19	08:06	10:48	08:06	08:23	08:22
6:40 PM	07:56	08:24	08:03	08:11	08:16	08:02	08:08	08:04	09:22	08:05	08:06	08:04
6:50 PM	08:09	08:32	08:32	08:16	08:04	08:00	08:18	08:14	09:40	08:05	08:19	08:02
7:00 PM	08:20	07:48	08:17	08:16	07:44	08:12	08:17	08:10	09:26	08:02	09:18	08:18
7:10 PM	08:28	08:05	08:06	08:06	08:04	08:04	08:07	08:03	08:07	08:18	09:11	07:49
7:20 PM	08:37	07:56	08:16	08:22	08:07	07:55	07:50	08:03	07:58	08:16	08:12	07:41
7:30 PM	08:09	07:51	07:55	08:16	08:01	08:11	08:00	08:01	08:06	08:11	08:32	07:47
7:40 PM	08:22	07:57	08:16	08:08	08:15	08:00	07:41	07:57	08:26	08:01	08:37	07:46
7:50 PM	07:46	07:51	08:17	08:30	07:53	08:01	07:48	07:52	08:24	08:13	08:00	07:37
8:00 PM	07:47	08:17	08:14	08:22	08:15	08:12	07:49	08:10	08:29	08:15	08:05	07:49
8:10 PM	08:22	08:01	08:10	08:23	08:00	08:05	07:50	08:02	08:08	08:04	08:12	08:16
8:20 PM	07:55	08:04	08:13	08:02	07:58	08:13	07:59	08:36	07:59	08:04	08:18	08:01
8:30 PM	07:35	08:03	08:13	07:57	08:15	07:57	07:49	08:19	07:54	08:16	08:11	08:15
8:40 PM	07:44	08:08	08:13	07:29	08:11	08:03	07:51	08:13	08:04	08:04	08:13	08:08
8:50 PM	07:44	07:56	08:39	07:26	08:30	08:27	07:49	08:24	07:59	07:59	08:15	07:44

Traction Probe Data Heatmap												
ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	08:59	08:08	08:14	08:33	08:20	09:01	08:09	08:17	08:31	08:45	09:17	09:09
5:20 AM	09:01	08:22	08:34	08:17	07:56	09:23	08:21	08:50	08:12	08:42	09:24	08:37
5:30 AM	09:09	08:24	08:43	08:03	07:49	09:35	08:25	08:57	08:12	08:12	09:27	08:40
5:40 AM	09:52	08:21	08:19	08:15	08:16	10:19	08:19	08:35	08:55	09:12	10:19	08:31
5:50 AM	08:48	08:19	08:39	08:40	08:39	09:10	08:20	08:32	09:04	08:22	09:24	08:44
6:00 AM	08:44			08:37	08:40	09:08	08:28	08:30	08:53	08:18	09:19	09:25
6:10 AM	08:46	08:01	08:45	09:08	09:04	08:51	08:22	08:38	08:48	08:24	09:19	08:16
6:20 AM	08:30	08:09	09:07	08:39	08:42	08:27	08:25	08:41	08:28	08:03	08:47	08:13
6:30 AM		07:56	08:40	09:00	08:40	08:26	09:05	08:24	08:23	08:01	08:33	08:12
6:40 AM	08:18	08:08	08:15	08:19	08:13	08:11	08:18	08:28	08:07	07:59	08:29	08:15
6:50 AM	07:50	07:51	08:27	08:09	08:15	07:54	08:30	08:27	08:17	07:58	08:02	08:27
7:00 AM	08:02	08:04	08:08	08:01	08:14	08:14	08:28	09:06	07:54	08:05	08:12	08:27
7:10 AM	08:40	08:37	08:21	08:24	08:38	08:13	08:46	08:26	08:08	08:32	08:04	08:35
7:20 AM	08:25	08:24	08:42	09:31	08:32	08:15	08:48	08:28	08:00	08:25	08:16	08:13
7:30 AM	08:25	08:27	08:19	08:22	08:17	08:14	08:54	08:29	08:09	08:29	08:33	08:23
7:40 AM	08:39	08:59	08:19	08:33	08:11	08:34	08:54	08:47	08:08	08:17	08:38	09:24
7:50 AM	09:10	08:40	08:35	08:29	08:56	08:17	08:48	09:20	08:14	08:44	08:49	08:33
8:00 AM	09:01	08:43	08:52	08:38	09:03	08:32	09:09	09:09	08:45	08:55	08:22	08:56
8:10 AM	08:58	09:22	08:32	08:58	09:02	09:32	09:29	09:08	09:06	08:48	08:33	08:34
8:20 AM	08:50	09:02	08:52	09:03	08:56	08:37	09:09	09:05	08:43	08:44	08:48	08:35
8:30 AM	09:13	08:47		09:35	08:56	08:44	09:16	08:56	08:38	09:58	08:53	08:20
8:40 AM	09:05		09:00	09:08	08:33	09:13	08:52	08:49	08:36	08:33	08:24	07:59
8:50 AM	08:42	08:31	08:56	09:27	08:17	08:51	09:01	08:53	08:27	08:32	08:38	08:18
9:00 AM	08:25	08:50	08:32	08:57	08:57	08:36	09:10	08:46	08:33	08:39	08:31	09:13
9:10 AM	08:24	08:54	08:26	08:28	08:19	08:30	09:10	08:47	08:40	08:31	09:12	08:17
9:20 AM	09:44	08:37	08:26	08:34	08:31	08:36	09:26	08:40	08:18	08:17	08:37	08:28
9:30 AM	08:13	08:27	08:30	08:32	08:23	09:02	09:20	08:16	08:17	08:37	08:40	08:42
9:40 AM	08:15	08:50	08:29	08:26	08:39	08:52	09:13	08:50	08:19	08:38	08:36	08:23
9:50 AM	07:55	08:14	08:27	08:15	08:02	08:59	09:37	08:32	08:22	09:00	08:40	08:31
10:00 AM	08:02	08:10	08:12	08:26	08:52	09:38	08:51	08:40	08:02	08:35	08:16	08:07
10:10 AM	08:16	08:01	08:35	08:10	08:14	08:23	08:48	08:38	08:25	08:34	08:26	08:47
10:20 AM	08:07	08:01	08:36	08:06	08:26	08:23	10:09	08:28	08:36	08:21	09:09	08:04
10:21 AM							09:24	08:25	08:36	08:20	08:15	08:35
10:30 AM	07:59	08:25	08:11	08:09	08:11	08:25	08:41	08:29	08:15	08:14	08:11	08:26
10:40 AM	08:12	08:03	07:56	08:25	08:09	08:12	09:00	08:33	08:12	08:27	08:13	07:56
10:50 AM	08:11	08:00	08:02	08:00	08:10	07:57	08:53	08:33	08:08	08:17	08:14	08:18
11:00 AM	08:11	08:03	08:12	07:58		08:25	08:26	08:32	08:01	08:02	08:01	08:26
11:10 AM	08:07	08:18	08:19	08:09	08:13	08:07	08:33	08:18	08:07	08:12	08:07	08:11
11:20 AM	08:04	08:10	08:05	08:06	08:19	08:14	08:44	08:45	08:08	08:25	08:09	08:15



ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:16	08:34	08:22	07:51	08:04	07:51	08:40	08:43	08:19	08:53	08:08	08:04
11:40 AM	08:11	08:14	08:23	08:01	08:26	08:26	08:55	08:19	08:35	08:09	08:00	08:03
11:50 AM	08:24	08:29	07:58	08:29	08:23	08:10	08:49	08:17	08:41	08:08	08:07	08:03
12:00 PM	08:25		08:09	08:11	08:26	08:03	08:38	08:21	08:44	08:09	08:22	08:12
12:10 PM	08:26	08:17	08:27	08:31	08:14	07:50	08:45	08:09	08:36	08:13	08:19	08:04
12:20 PM	08:04	08:23	08:26	08:25	08:03	08:01		08:05	08:36	08:04	08:14	08:05
12:30 PM	08:13	08:31	08:23	08:04	08:02	08:13	08:52	08:04	08:39	08:08	08:30	08:04
12:40 PM	08:08	08:35	08:06	08:12	08:12	08:18	09:01	08:05	08:36	08:39	08:24	07:58
12:50 PM	08:19	08:18	07:46	08:19	08:02	08:25	08:47	08:06	08:26	08:32	08:14	08:20
1:00 PM	08:19	08:11	07:48	08:16	08:07	08:38	08:36	08:29	08:47	08:27	08:21	08:34
1:10 PM	08:06	08:02	07:50	08:34	08:16	08:48	09:04	07:59	08:40	08:03	08:08	08:25
1:20 PM	08:29	08:07	08:20	08:34	08:09	08:16	08:34	08:32	08:22	08:11	08:18	08:07
1:30 PM	08:10	07:55	08:18	09:03	08:14	08:13	08:42	07:40	08:43	08:14	08:23	08:03
1:40 PM	08:03	08:08	08:57	08:23	08:10	08:11	08:38	08:03	08:40	08:01	07:55	07:53
1:50 PM	07:47	08:15	08:05	08:37	08:06	07:55	08:42	08:00	08:26	08:03	08:09	07:57
2:00 PM	07:50	08:09	08:13	07:58	08:06	08:37	08:28	07:59	08:32	07:52	08:02	07:56
2:10 PM	07:52	08:00	08:06	08:11	08:32	08:03	08:31	08:18	07:57	08:02	08:03	08:18
2:20 PM	07:50	07:50	07:55	09:09	07:59	08:27	08:49	08:08	08:03	08:21	08:10	08:22
2:30 PM	07:55	08:00	08:00	08:08	08:24	08:00	08:46	08:32	08:05	08:57	08:15	08:24
2:40 PM	08:31	08:15	08:07	08:21	08:14	07:53	09:20	08:45	08:08	08:14	08:03	08:24
2:50 PM	07:54	08:01	07:50	08:34	08:07	09:39	08:46	08:09	07:57	08:28	08:02	08:20
3:00 PM	08:00	08:28	08:04	08:19	08:15	08:46	09:07	07:55	08:15	08:19	08:19	08:16
3:10 PM	07:54	07:59	07:59	08:31	08:35	08:45	11:02	08:04	08:13	08:25	08:05	09:42
3:20 PM	09:10	08:05	08:09	07:48	07:48	08:44	10:32	08:00	08:14	08:19	08:23	08:05
3:30 PM	08:37	07:55	08:07	07:50	08:00	08:25	10:48	08:09	07:48	07:53	08:46	08:24
3:40 PM	08:11	07:50	08:04	08:36	08:03	08:52	11:13	07:58	08:26	07:52	08:51	08:05
3:50 PM	08:06	08:04	08:15	08:07	08:04	08:38	10:22	07:54	08:15	08:31	08:04	08:13
4:00 PM	08:00	07:56	08:21	08:13	08:02	08:38	10:30	08:02	08:07	07:58	08:32	08:08
4:10 PM	08:21	08:58	08:29	08:14	08:03	09:27	11:35	08:14	07:47	08:25	08:51	08:15
4:20 PM	08:24	08:09	08:17	08:23	08:22	08:51	10:11	08:15	07:51	08:11	09:22	08:05
4:30 PM	08:00	08:18	08:09	08:20	08:05	10:07	09:15	08:10	08:14	08:32	08:45	08:17
4:40 PM	07:59	08:30	08:22	08:19	08:11	09:52	09:21	08:01	07:58	08:24	08:35	08:11
4:41 PM	07:58						09:18	08:17	08:03	09:06	09:06	08:27
4:50 PM	08:18	08:32	08:57	08:39	08:44	09:51	08:47	08:47	08:38	08:44	08:56	08:22
5:00 PM	08:17	08:35	08:41	08:18	09:03	10:11	09:08	08:44	08:10	09:17	08:49	08:24
5:10 PM	08:46	08:40	08:35	08:24	08:48	10:11	09:13	08:26	08:45	09:00	08:58	08:39
5:20 PM	08:51	09:04	08:44	08:32	09:02	11:08	09:06	08:04	08:50	08:47	10:01	08:44
5:30 PM	09:49	09:40	10:15	09:03	08:57	10:19	09:40	08:33	08:36	08:51	08:59	09:04
5:40 PM	08:55	09:08	08:41	08:52	09:21	10:07	09:28	08:24	08:21	08:25	09:15	08:39
5:50 PM	09:02	08:59	08:48	08:38	08:49	11:18	08:52	08:46	08:34	08:16	09:09	09:11
6:00 PM	08:55	09:07	08:24	08:49	08:45	10:20	08:48	07:52	08:22	08:34	08:35	08:41
6:10 PM	08:31	08:45	08:28	08:19	08:45	09:51	08:46	08:13	08:25	08:32	08:29	08:43

ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	09:16	08:56	08:23	08:12	08:40	09:35	08:53	08:09	08:08	08:21	08:00	08:34
6:30 PM	08:07	08:20	08:12	08:33	08:11	09:45	09:01	08:23	07:58	08:04	08:09	08:05
6:40 PM	08:15	08:57	08:01	08:02	09:12	08:57	08:52	08:13	08:11	08:11	09:10	08:24
6:50 PM	08:34	08:35	07:54	08:07	08:20	08:47	08:50	08:01	08:11	08:27	08:16	08:01
7:00 PM	08:08	08:03	08:14	08:07	08:07	09:16	08:57	08:05	07:54	08:09	08:15	08:07
7:10 PM	08:43	08:15	08:07	08:16	08:49	09:23	09:08	08:10	08:00	07:57	08:05	07:57
7:20 PM	08:12	08:07	08:02	08:20	08:13	08:27	08:39	08:32	07:58	08:08	08:18	08:03
7:30 PM	07:50	08:05	08:08	08:16	08:15	08:22	08:36	08:03	08:05	07:54	08:06	07:55
7:40 PM	08:07	07:56	08:17	08:33	08:26	08:23	08:58	08:07	08:00	08:16	08:23	08:04
7:50 PM	08:12	08:00	08:11	08:19	08:26	08:12	09:20	08:13	08:09	08:04	07:57	08:11
8:00 PM	08:13	08:01	08:12	08:19	08:34	08:26	09:15	08:10	08:15	07:53	08:08	07:58
8:10 PM	07:54	08:02	07:52	08:11	07:53	08:15	08:48	08:19	07:59	08:26	08:20	08:16
8:20 PM	07:54	08:10	07:55	08:13	07:47	08:39	08:54	07:58	07:45	07:58	08:10	07:47
8:30 PM	07:59	08:07	08:05	08:12	07:52	08:21	08:42	08:00	07:53	08:05	08:14	07:59
8:40 PM	07:58	07:51	08:03	07:51	07:51	08:10						
8:50 PM	08:07	07:59	07:56	08:03	07:48	08:16						

Traction Probe Data Heatmap

ROUTE Sorrento Valley Blvd and Calle Cristobal WB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:52	07:41	07:47	08:01	08:05	07:33	07:31	07:37	08:02	08:09	08:10
5:20 AM		07:41	07:39	07:50	08:07	08:00	07:39	07:39	07:41	07:59	08:13	08:02
5:30 AM		07:55	07:39	07:49	07:46	07:56	07:38	07:31	07:44	07:45	08:14	07:58
5:40 AM		07:54	07:47	07:45	07:50	07:51	08:03	07:38	08:07	07:44	08:24	08:14
5:50 AM		07:59	08:05	08:10	07:48	07:52	08:26	07:50	07:38	07:55	08:26	08:16
6:00 AM		07:58	08:03	07:58	07:50	07:46	08:27	08:12	07:41	08:09	08:24	08:11
6:10 AM		08:08	08:02	08:07	08:17	08:19	08:04	08:02	08:00	08:04	08:12	08:20
6:20 AM		08:17	08:12	08:25	07:57	08:14	08:00	08:01	08:00	07:51	08:03	08:19
6:30 AM		08:08	08:00	07:56	08:03	07:50	08:06	07:56	07:57	07:51	08:09	08:34
6:40 AM		08:22	08:16	08:08	07:56	08:09	08:07	08:07	07:59	08:01	08:18	08:33
6:50 AM		09:29	08:31	08:04	08:09	08:16	08:12	08:09	08:54	08:16	08:30	08:37
7:00 AM		08:52	08:18	08:05	07:57	08:15	08:22	08:26	08:21	08:10	08:35	08:26
7:10 AM		08:41	08:46	08:28	08:13	08:41	08:53	08:19	08:27	08:09	08:31	09:09
7:20 AM		08:41	08:49	08:25	08:17	08:42	08:46	09:05	08:23	08:33	08:28	08:48
7:30 AM		08:53	08:51	08:59	08:36	08:48	09:08	08:45	08:51	08:29	08:41	08:58
7:40 AM		09:15	08:57	10:28	08:48	08:45	08:57	09:35	09:10	09:01	09:45	09:12
7:50 AM		09:58	10:24	10:10	09:49	09:42	10:13	09:33	09:59	09:36	09:53	09:32
8:00 AM		12:18	12:16	10:50	10:42	10:38	11:38	11:20	11:08	10:42	10:41	11:18
8:10 AM		15:47	11:13	11:09	11:47	10:34	11:10	10:33	09:46	09:30	09:51	09:22
8:20 AM		18:31	10:49	09:59	11:00	11:07	10:40	10:47	10:44	09:27	10:25	09:13
8:30 AM		16:13	10:38	09:33	10:41	10:33	09:52	12:35	09:03	10:32	10:00	08:58
8:40 AM		10:09	10:08	09:22	09:38	10:04	09:29	11:38	08:50	10:15	09:10	09:52
8:50 AM		09:00	09:16	09:20	09:00	09:31	09:40	09:40	08:41	09:27	09:04	09:20
9:00 AM		08:32	08:48	09:25	08:58	08:48	09:09	09:18	08:40	08:48	08:41	08:51
9:10 AM		08:35	08:30	08:43	08:57	08:50	08:50	08:38	09:24	08:29	08:39	08:43
9:20 AM		08:39	08:32	08:29	09:09	08:33	08:29	08:35	09:04	08:39	08:36	08:32
9:30 AM		08:34	08:30	08:36	08:50	09:12	08:14	08:26	09:09	08:28	08:41	08:36
9:40 AM		08:29	08:22	08:35	08:55	08:34	08:30	08:13	09:00	08:31	08:14	08:19
9:50 AM		08:44	09:21	08:15	08:35	08:28	08:48	08:04	08:41	08:17	08:38	08:31
10:00 AM		08:26	08:29	08:21	08:53	08:14	08:31	08:12	08:40	08:14	08:40	08:30
10:10 AM		08:44	08:38	08:38	08:44	08:23	08:31	08:25	08:34	08:12	08:17	08:40
10:20 AM		08:31	08:45	08:39	08:51	08:47	08:47	08:29	08:24	08:54	08:36	08:43
10:21 AM								08:24				
10:30 AM		08:49	08:30	08:15	09:21		08:42	07:57	08:34	08:43	08:38	08:31
10:40 AM		08:21	08:16	08:37	08:48	08:24	08:43	08:23	08:29	09:01	08:23	08:42
10:50 AM		08:23	08:39	08:41	09:08	08:38	08:59	08:24	08:32	08:36	08:22	08:36
11:00 AM		08:32	08:20	08:29	09:09	08:25	08:38	08:31	08:41	08:27	08:46	08:49
11:10 AM		08:43	09:11	08:43	08:11	08:46	08:34	09:00		08:34	08:40	09:11
11:20 AM		08:30	08:47	08:22	08:55	09:02	08:42	08:21	08:49	10:11	08:46	08:45

ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:48	08:45	08:24	08:43	08:47	08:43	08:42	08:39	08:45	09:10	08:38
11:40 AM		08:31	08:55	08:39	08:42	08:50	08:11	08:55	08:22	09:04	08:22	08:47
11:50 AM		08:36	08:49	08:21	09:07	09:02	08:34	08:52	08:42	08:48	08:32	09:05
12:00 PM		08:25	08:42	08:52	09:02	08:45		08:34	08:46	08:47	08:27	09:00
12:10 PM		08:31	08:51	08:38	08:43	08:44	08:51	09:12	08:50	08:48	08:44	08:40
12:20 PM		08:36	08:49	08:33	08:48	08:45	09:25	09:53	08:45	08:48	08:56	09:16
12:30 PM		08:37	08:56	08:23	08:48	08:52	08:39	09:03	08:52	08:35	09:22	08:35
12:40 PM		09:02	09:09	09:04	08:24	09:02	08:39	08:52	08:38	08:44	08:51	08:45
12:50 PM		08:51	08:47	08:48	08:41	08:21	09:06	08:57	08:32	09:00	08:47	08:54
1:00 PM		08:48	08:57	08:48	08:59	08:10	08:42	08:50	08:39	08:44	08:44	08:49
1:10 PM	08:44	08:39	09:01	08:34	08:32	08:34	08:25	08:32	08:47	08:40	08:46	08:35
1:20 PM	08:37	08:45	08:53	08:46	08:32	09:24	08:43	08:56	08:54	08:33		08:39
1:30 PM	08:31	08:37	08:46	08:52	08:31	08:44	08:31	08:39	08:51	08:26	09:05	08:32
1:40 PM	08:36	08:39	08:48	08:35	08:35	08:32	08:49	08:43	09:43	08:40	08:46	08:50
1:50 PM	09:05	08:22	08:56	08:51	08:31	08:35	08:56	08:37	09:08	09:13	08:36	08:36
2:00 PM	08:36	08:21	08:36	09:08	08:44	08:49	08:52	09:27	09:23	08:42		08:42
2:10 PM	08:32	09:00	08:47	08:50	08:27	09:01	08:54	09:10	09:41	08:45	08:45	08:38
2:20 PM	08:39	09:21	08:44	08:51	08:35	09:00	08:39	09:14	09:39	08:32	09:17	08:58
2:30 PM	08:39	09:24	09:14	08:48	08:58	08:37	08:57	09:02	09:25	08:45		
2:40 PM	08:43	09:12	08:47	09:00	09:09	08:43	09:21	09:19	09:48	09:04	08:35	09:23
2:50 PM	09:15	09:10	09:09	09:08	08:57	09:00	09:18	08:57	09:49	09:17	08:37	09:31
3:00 PM	08:48	09:43	08:45	09:12	08:38	09:21	09:37	09:23	10:34	09:03	08:40	09:25
3:10 PM	08:45	09:02	08:45	09:10	08:36	09:10	09:21	09:23	10:46	09:11	09:03	09:34
3:20 PM	09:05	09:45	08:41	09:22	08:44	09:43	08:56	09:53	11:04	08:52	08:56	09:12
3:30 PM	08:48	09:05	08:41	09:31	08:36	09:05	08:51	09:25	09:41	08:44	09:22	08:58
3:40 PM	08:37	08:54	09:06	08:55	09:10	08:59	08:35	08:56	11:59	09:16	09:15	08:51
3:50 PM	08:51	09:02	08:54	08:51	08:57	08:49	08:35	09:02	10:18	09:32	09:39	09:14
4:00 PM	08:46	09:24	08:53	08:51	09:15	08:49	08:51	09:10	10:46	08:52	09:15	09:32
4:10 PM	09:28	09:27	09:09	09:09	09:20	09:29	09:27	09:17	11:55	09:10	09:11	09:48
4:20 PM	08:39	09:08	09:31	09:18	09:10	09:18	09:06	09:09	12:17	09:34	09:58	09:35
4:30 PM	10:31	10:20	09:34	08:57	08:54	08:53	09:18	09:06	12:37	08:48	10:16	09:28
4:40 PM	09:11	08:35	09:24	08:52	09:24	08:49	08:55	09:14	12:29	08:51	09:53	09:16
4:41 PM												
4:50 PM	09:02	08:55	09:16	08:44	09:02	09:08	08:49	08:51	13:41	09:00	09:03	09:11
5:00 PM	09:03	08:58	09:14	08:46	08:57	09:11	09:07	09:20	14:23	08:48	09:15	09:05
5:10 PM	09:19	08:51	09:15	08:53	09:39	09:05	09:14	09:24	14:24	08:39	09:24	09:10
5:20 PM	08:51	09:06	09:22	09:11	09:31	09:03	09:51	09:27	15:31	08:43	09:27	09:29
5:30 PM	08:57	09:22	09:27	09:18	09:45	09:15	09:44	09:56	14:02	08:59	09:43	09:19
5:40 PM	08:56	09:08	09:21	08:54	09:13	09:27	10:07	09:37	13:15	09:03	10:07	09:23
5:50 PM	09:12	09:34	09:09	09:50	09:16	09:22	09:35	10:47	13:09	08:55	09:30	09:28
6:00 PM	09:11	09:31	08:53	09:10	09:12	09:05	09:49	09:21	13:19	09:02	09:35	09:29
6:10 PM	09:18	09:22	09:57	09:33	09:21	09:17	09:16	09:14	12:20	08:56	09:16	09:18

ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	08:50	10:39	08:57	09:16	09:36	10:13	09:15	09:21	12:25	09:44	09:15	09:16
6:30 PM	08:49	09:04	09:06	09:33	09:09	09:07	09:16	09:19	12:08	08:45	10:33	09:03
6:40 PM	08:58	08:58	08:54	09:28	09:17	09:11	09:00	09:09	12:36	09:03	09:10	08:53
6:50 PM	08:41	08:52	08:42	09:15	09:21	09:03	08:48	08:57	11:27	08:49	08:56	08:49
7:00 PM	08:53	08:47	08:44	09:10	08:54	08:44	08:33	08:42	11:28	08:36	09:00	08:52
7:10 PM	08:51	08:49	08:35	08:51	08:16	08:57	08:42	08:44	09:54	08:17	09:32	09:15
7:20 PM	08:42	08:41	08:25	09:01	08:56	08:52	08:35	08:25	08:59	08:36	09:18	08:43
7:30 PM	08:33	08:55	08:37	08:49	08:46	08:45	08:55	08:16	08:56	08:33	09:03	08:32
7:40 PM	08:40	08:29	08:32	08:51	08:46	08:48	08:47	08:48	08:41	08:14	08:57	08:52
7:50 PM	08:31	08:38	09:02	08:29	09:07	08:29	08:33	08:52	08:39	08:31	08:49	08:28
8:00 PM	08:45	08:38	08:56	08:32	08:41	08:22	08:27	08:30	08:45	08:40	08:38	08:52
8:10 PM	08:50	08:40	08:33	08:34	08:22	08:30	08:28	08:21	08:49	08:32	08:30	08:44
8:20 PM	08:52	08:27	08:38	08:16	08:36	08:31	08:31	08:30	08:57	08:33	08:43	09:02
8:30 PM	08:36	08:33	08:25	08:40	08:33	08:45	08:30	08:26	08:57	08:37	08:43	08:41
8:40 PM	08:23	08:40	08:30	08:34	08:35	08:42	08:52	08:25	09:03	08:29	08:46	08:54
8:50 PM	08:21	08:39	08:35	08:58	08:50	08:45	08:42	08:59	09:05	08:38	08:43	08:42



Traction Probe Data Heatmap												
ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:47	07:46	07:59	08:05	07:48	07:36	08:07	08:20	07:59	07:48	07:37	07:54
5:20 AM	07:48	07:50	07:47	08:09	07:53	07:45	08:22	08:15	08:08	07:43	07:40	07:54
5:30 AM	07:35	07:41	07:48	08:05	07:56	07:48	08:10	08:09	08:02	07:42	07:34	07:44
5:40 AM	07:51	07:41	08:02	07:59	08:03	07:51	08:18	08:19	08:00	08:00	07:44	07:53
5:50 AM	07:56	07:52	07:56	07:54	08:03	07:57	08:29	08:14	08:01	08:01	07:54	08:05
6:00 AM	07:59	08:05	07:49	07:50	08:16	08:11	08:44	08:31	07:59	08:08	07:58	08:04
6:10 AM	08:00	08:07	08:02	08:04	08:02	07:49	08:47	08:29	08:04	07:56	08:08	08:15
6:20 AM	07:59	08:05	08:03	08:12	08:00	07:47	08:21	08:36	08:05	08:00	08:08	08:22
6:30 AM		07:59	08:00	08:01	08:07	08:25	08:24	08:23	08:06	08:01	08:13	08:04
6:40 AM	08:03	08:05	07:58	08:02	08:12	08:04	08:14	08:14	08:08	08:02	07:57	08:17
6:50 AM	08:06	08:18	07:58	08:49	08:04	08:29	08:33	08:25	08:20	08:04	08:01	08:20
7:00 AM	08:09	08:24	08:21	07:58	08:19	07:53	08:38	08:26	07:59	08:13	08:09	08:29
7:10 AM	08:27	08:21	08:11	08:07	08:26	08:21	08:25	08:21	07:56	08:12	08:39	08:31
7:20 AM	08:59	08:13	08:20	08:22	08:40	08:40	08:58	08:44	08:12	09:10	08:43	08:37
7:30 AM	09:01	08:30	08:39	08:39	09:06	08:38	09:14	08:31	08:24	08:56	09:26	08:41
7:40 AM	09:00	09:23	09:19	09:04	08:59	09:15	09:26	09:33	08:37	09:47	08:52	09:17
7:50 AM	09:20	09:33	09:14	09:26	10:01	09:17	10:02	09:38	08:41	10:19	09:34	09:56
8:00 AM	10:09	10:57	10:13	10:44	11:19	10:15	12:40	09:05	09:12	12:11	11:38	09:54
8:10 AM	09:58	11:08	10:10	14:45	10:26	10:13	13:58	09:18	08:39	11:21	13:28	09:16
8:20 AM	10:20	10:56	10:54	15:24	10:36	11:14	13:04	09:40	08:55	10:58	11:17	09:44
8:30 AM	12:54	10:31		18:46	10:05	09:56	13:44	09:39	08:31	09:49	12:13	08:47
8:40 AM	11:38		09:56	13:16	10:25	10:21	10:17	09:20	08:38	09:29	10:27	08:43
8:50 AM	09:05	09:23	08:49	10:13	08:58	09:18	11:24	09:05	08:15	09:07	09:13	08:46
9:00 AM	09:31	09:03	08:37	09:01	09:48	09:07	11:02	09:11	09:11	08:58	08:52	08:58
9:10 AM	08:51	09:11	08:41	08:44	08:42	09:22	11:12	09:43	08:27	08:31	08:18	09:02
9:20 AM	08:42	09:00	08:33	08:28	08:45	08:47	10:17	09:14	08:23	08:24	08:40	08:30
9:30 AM	08:31	08:31	08:47	08:16	08:21	08:45	09:57	08:29	08:09	08:17	08:21	08:22
9:40 AM	08:40	08:28	08:30	08:31	08:18	08:42	09:42	08:37	08:08	08:39	08:27	08:24
9:50 AM	09:02	08:18	08:09	08:27	08:35	09:24	09:22	08:38	09:03	08:44	09:27	08:17
10:00 AM	08:23	08:17	08:31	08:22	08:36	08:57	09:17	08:42	08:30	08:28	08:29	08:21
10:10 AM	08:32	08:12	08:28	08:31	08:59	08:26	09:22	08:52	08:30	08:40	08:32	08:35
10:20 AM	08:16	08:16	09:44	08:22	08:43	08:41	08:54	10:03	08:30	08:48	09:22	08:29
10:21 AM							08:54	09:17	08:33	08:25	08:45	08:31
10:30 AM	08:32	08:27	08:40	08:38	08:36	08:42	08:39	08:57	08:57	08:33	08:25	08:34
10:40 AM	08:35	08:42	08:19	08:26	08:31	08:41	08:56	08:54	08:55	09:02	08:41	08:46
10:50 AM	08:09	08:32	08:50	08:20	08:33	08:22	08:55	09:06	08:41	08:54	08:29	08:56
11:00 AM	08:29	08:14	08:29	08:17		08:35	08:52	08:44	09:08	09:03	08:53	08:52
11:10 AM	08:44	08:24	08:36	08:38	08:32	08:29	09:00	08:54	08:41	08:44	08:54	08:49
11:20 AM	08:23	08:11	08:39	08:32	08:27	08:31	08:54	08:48	08:19	08:49	08:52	08:57

ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:31	08:50	08:39	09:20	09:09	08:27	09:10	08:56	08:49	08:36	08:54	08:37
11:40 AM	08:46	08:34	08:54	09:07	08:35	08:43	08:56	09:57	08:32	08:44	08:19	08:41
11:50 AM	09:07	08:50	08:28	08:36	08:30	08:32	09:25	09:13	08:33	08:39	08:28	08:52
12:00 PM	08:49		08:32	08:43	08:32	08:56	08:49	09:17	08:39	08:39	08:40	08:49
12:10 PM	08:48	08:58	08:33	08:42	08:45	08:36	08:53	08:35	09:08	08:43	08:39	08:48
12:20 PM	08:36	08:44	08:45	08:30	08:43	08:41	09:25	08:38	08:49	08:45	08:43	08:40
12:30 PM	08:34		08:43	08:51	08:58	08:45	09:22	08:29	08:44	08:56	09:00	09:01
12:40 PM	08:30	08:34	08:35	08:48	09:12	08:28	09:15	08:43	08:48	08:39	08:40	09:00
12:50 PM	08:38	08:39	08:36	08:47	08:39	08:48	09:15	08:38	08:49	08:36	08:41	08:50
1:00 PM	08:29	08:43	08:35	08:45	08:50	08:49	09:41	08:37	09:14	08:45	09:33	08:43
1:10 PM	08:37	08:55	08:57	08:51	08:51	08:35	09:39	08:40	09:24	08:18	09:50	10:18
1:20 PM	09:00	08:33	08:39	08:14	08:32	08:48	09:11	08:31	09:09	08:35	09:04	09:05
1:30 PM	08:36	08:36	08:41	08:37	08:33	08:40	09:35	08:29	08:52	08:29	09:16	09:25
1:40 PM	08:38	08:37	08:51	08:35	08:33	08:47	09:13	08:55	08:29	08:40	08:41	09:04
1:50 PM	08:44	08:42	08:36	08:49	08:41	08:46	09:26	08:34	08:50	08:26	09:06	09:00
2:00 PM	08:38	08:54	08:20	08:43	08:46	08:50	09:31	08:28	08:42	08:34	09:03	08:59
2:10 PM	08:35	09:39	08:47	08:49	08:54	09:04	09:12	08:39	08:37	08:34	09:01	09:47
2:20 PM	08:59	08:54	09:14	09:18	08:41	08:58	09:23	08:40	08:44	08:47	08:58	09:18
2:30 PM	09:23	09:10	08:58	08:40	09:07	09:33	09:33	09:17	09:10	09:21	09:08	09:10
2:40 PM	08:49	09:30	08:59	08:55	09:00	09:15	10:03	08:53	08:37	09:38	09:20	09:22
2:50 PM	09:07	09:32	08:42	09:04	09:20	10:37	09:26	08:47	08:47	08:43	09:09	09:09
3:00 PM	09:19	08:44	08:48	09:32	09:52	09:46	09:40	08:58	08:53	08:38	09:07	09:30
3:10 PM	09:02	09:15	09:28	08:55	08:55	10:01	09:26	08:53	08:57	08:48	09:22	09:08
3:20 PM	09:06	09:58	09:12	08:44	09:31	09:40	09:56	08:38	08:35	08:42	09:04	09:18
3:30 PM	08:56	08:51	08:51	09:00	09:25	09:18	10:13	09:20	08:40	08:49	09:13	09:21
3:40 PM	09:08	08:56	09:12	09:00	09:17	09:32	10:23	09:24	08:38	08:59	09:11	09:02
3:50 PM	09:01	09:54	08:53	09:18	09:10	10:41	10:38	09:44	08:51	09:15	08:54	09:00
4:00 PM	09:56	09:29	08:53	09:29	09:13	10:58	10:36	10:41	08:35	09:27	10:06	09:38
4:10 PM	10:29	09:27	09:15	09:10	09:24	11:13	10:41	10:17	08:34	09:46	09:40	08:49
4:20 PM	09:07	09:11	09:15	09:39	09:26	11:50		09:45	08:41	10:07	10:05	09:34
4:30 PM	09:05	09:53	08:56	09:04	09:17	12:40	10:52	09:07	08:44	09:28	09:37	08:54
4:40 PM	09:17	09:31	08:37	08:48	08:51	12:18	10:31	08:59	08:27	08:52	09:56	08:59
4:41 PM	09:26						10:16	09:42	08:44	09:02	09:42	08:53
4:50 PM	08:54	09:22	08:55	09:09	08:45	13:40	10:13	08:49	08:34	10:06	09:57	09:31
5:00 PM	08:47	09:02	09:14	09:18	09:02	13:24	10:05	08:58	09:00	09:02	10:35	09:48
5:10 PM	09:06	09:29	08:48	09:22	09:06	13:21	10:08	08:38	08:49	09:28	11:28	09:27
5:20 PM	09:22	09:29	09:16	09:49	09:06	14:27	10:00	09:11	08:51	08:55	12:49	09:38
5:30 PM	09:23	09:46	08:52	09:18	09:24	12:57	09:36	08:40	08:49	09:27	10:46	08:56
5:40 PM	09:27	10:08	09:02	09:58	09:01	12:59	09:38	08:51	08:56	09:11	11:05	08:57
5:50 PM	09:13	09:01	08:45	09:34	09:20	12:07	09:50	08:59	08:57	09:07	10:47	09:12
6:00 PM	09:16	09:21	08:58	09:17	09:13	13:14	09:54	10:05	09:10	09:15	09:48	09:11
6:10 PM	09:22	09:15	09:19	09:16	10:02	12:35	09:36	09:14	09:02	09:15	09:34	08:54

ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	09:03	09:28	09:21	09:06	08:51	12:39	09:44	08:44	08:52	08:58	09:07	08:52
6:30 PM	09:08	09:38	08:43	09:01	09:08	13:09	11:51	09:01	08:33	08:57	08:56	09:23
6:40 PM	09:03	08:44	08:36	08:55	09:42	13:07	11:27	08:33	08:26	08:51	08:50	08:49
6:50 PM	08:43	08:44	08:54	08:59	08:53	11:44	09:35	08:39	08:44	09:12	08:37	08:57
7:00 PM	08:54	08:59	08:24	09:02	08:50	10:57	09:50	08:29	08:47	08:38	08:39	09:08
7:10 PM	08:45	09:00	08:54	09:22	08:53	10:11	09:38	08:51	09:16	09:03	08:34	08:35
7:20 PM	08:42	09:11	08:38	09:01	08:50	09:33	09:57	08:26	08:47	08:58	08:38	08:47
7:30 PM	08:27	08:45	08:27	08:31	08:46	08:54	09:07	08:27	08:44	08:52	08:31	08:18
7:40 PM	08:17	08:37	08:44	08:49	08:41	08:44	09:09	09:02	08:36	09:10	08:32	08:24
7:50 PM	08:20	08:19	08:39	08:55	08:48	08:34	08:57	08:52	08:40	08:59	08:09	08:28
8:00 PM	08:21	08:28	08:32	08:59	08:41	08:42	09:08	09:08	08:29	08:50	08:18	08:25
8:10 PM	08:36	08:49	08:18	08:43	08:34	08:46	09:10	08:46	08:24	08:52	08:33	08:19
8:20 PM	08:31	08:45	08:20	08:27	08:45	08:34	09:12	08:24	08:17	08:28	08:36	08:30
8:30 PM	08:33	08:36	08:33	08:36	08:39	08:26	09:02	08:16	08:32	08:48	08:52	08:41
8:40 PM	08:30	08:48	08:35	08:39	08:32	08:35						
8:50 PM	08:38	08:30	08:26	08:48	08:48	08:38						



Traction Probe Data Heatmap

ROUTE Vista Sorrento Pkwy NB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:22	02:33	02:26	02:29	02:20	02:26	02:28	02:28	02:28	02:33	02:31
5:20 AM		02:21	02:27	02:27	02:27	02:23	02:28	02:33	02:31	02:26	02:34	02:29
5:30 AM		02:23	02:27	02:28	02:27	02:20	02:31	02:30	02:26	02:24	02:35	02:34
5:40 AM		02:26	02:28	02:28	02:33	02:24	02:32	02:34	02:29	02:30	02:28	02:36
5:50 AM		02:29	02:28	02:26	02:36	02:29	02:32	02:30	02:29	02:33	02:32	02:36
6:00 AM		02:48	02:27	02:33	02:50	02:34	02:45	02:33	02:39	02:33	02:35	02:37
6:10 AM		02:53	02:35	02:35	02:39	02:44	02:42	02:37	02:36	02:42	02:38	02:57
6:20 AM		02:47	02:40	02:29	02:46	02:41	02:54	02:44	02:32	02:43	02:42	02:56
6:30 AM		02:53	02:35	02:49	02:47	02:44	02:58	02:46	02:38	02:43	02:46	02:53
6:40 AM		03:00	02:49	02:43	02:48	02:38	02:53	02:50	02:36	02:52	02:49	03:05
6:50 AM		03:00	02:44	02:42	02:51	03:00	02:49	02:55	02:36	02:44	03:06	03:00
7:00 AM		02:58	02:43	03:18	03:02	02:55	02:48	02:52	02:37	03:06	02:51	02:57
7:10 AM		02:58	02:52	03:14	03:00	02:46	02:54	02:48	02:38	03:00	02:56	03:09
7:20 AM		03:09	02:50	02:58	02:57	03:02	02:56	02:48	02:42	03:19	02:52	03:06
7:30 AM		03:00	02:56	03:02	03:11	03:36	02:56	03:07	03:07	03:03	02:48	03:14
7:40 AM		03:06	03:06	03:29	03:19	03:02	03:00	03:04	03:16	03:08	03:20	03:16
7:50 AM		03:16	03:19	03:25	03:16	03:16	03:13	03:06	03:12	03:14	03:18	03:20
8:00 AM		03:19	03:46	03:29	03:18	03:35	03:15	03:20	03:14	03:28	03:15	03:19
8:10 AM		03:47	03:16	03:22	03:12	03:23	03:14	03:21	03:13	03:15	03:21	03:18
8:20 AM		03:38	03:18	03:28	03:14	03:34	03:45	03:43	03:45	03:18	03:24	03:25
8:30 AM		03:37	03:26	03:48	03:35	03:35	03:29	03:51	03:17	03:16	03:34	
8:40 AM		03:25	03:31	03:23	03:25	03:32	03:20	03:37	03:05	03:11	03:28	03:26
8:50 AM		03:21	03:20	03:56	03:22	03:10	03:19	03:27	03:22	03:12	03:05	03:21
9:00 AM		03:28	03:20	03:50	03:58	03:09	03:28	03:25	03:16	03:20	03:16	03:37
9:10 AM		03:09	03:05	03:30	03:32	03:06	03:31	03:20	03:44	03:09	03:23	03:16
9:20 AM		03:32	03:08	03:11	03:36	03:13	03:08	03:08	03:10	03:08	03:24	03:18
9:30 AM		03:20	03:11	03:23	03:39	03:32	03:12	02:58	03:28	03:04	03:15	03:18
9:40 AM		03:04	03:02	03:13	03:07	03:33	03:13	03:14	03:24	03:10	03:19	03:11
9:50 AM		03:23	03:22	03:10	03:26	03:28	03:14	03:17	03:21	03:02	03:04	03:25
10:00 AM		03:11	03:24	03:13	03:04	03:29	03:00	03:12	03:11	03:07	03:27	03:11
10:10 AM		03:54	03:11	03:20	03:24	02:58	03:10	03:14	03:06	03:22	03:06	03:13
10:20 AM		02:57	03:10	03:02	03:25	03:06	03:13	03:04	02:53	03:24	03:01	03:16
10:21 AM								03:03				
10:30 AM		02:57	02:59	03:11	03:12	03:03	03:14	03:01	02:44	03:04	02:51	03:10
10:40 AM		03:03	02:53	02:58	03:10	03:10	03:04	03:12	02:54	03:06	02:54	03:00
10:50 AM		03:02	03:01	03:02	03:02	02:53	02:58	03:08	02:57	03:03	02:51	02:56
11:00 AM		03:01	02:52	02:57	03:18	02:49	03:03	03:01	03:13	03:04	03:05	03:02
11:10 AM		03:15	03:00	03:07	02:55	02:55	03:06	03:08		03:01	03:01	02:56
11:20 AM		03:06	02:57	03:24	03:02	02:57	03:01	03:01	03:05	02:59	02:51	02:58

ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		03:17	02:57	03:09	02:57	02:51	03:01	02:57	02:58	02:58	02:47	03:05
11:40 AM		03:12	03:02	03:05	03:02	03:04	03:02	03:06	03:21	03:11	02:56	02:56
11:50 AM		03:13	03:05	03:18	03:12	02:56	02:59	03:06	02:59	03:07	03:14	03:07
12:00 PM		03:18	02:59	03:15	03:12	03:06	03:05	02:52	03:00	03:13	03:31	03:12
12:10 PM		03:25	03:18	03:19	03:22	03:00	03:10	03:09	03:04	03:14	03:25	03:11
12:20 PM		03:28	03:08	03:15	03:13	03:06	03:24	03:04	03:25	03:06	03:10	03:02
12:30 PM		03:13	03:14	03:17	03:21	03:08	03:18	03:10	03:07	03:11	03:08	03:09
12:40 PM		03:14	03:03	03:09	03:17	03:13	03:15	03:04	03:00	03:08	03:06	02:57
12:50 PM		03:15	03:12	03:05	03:25	03:04	03:14	03:19	03:09	03:17	03:04	03:05
1:00 PM		03:06	03:08	03:03	03:28	03:06	03:17	03:02	03:04	03:13	02:50	02:59
1:10 PM	03:02	02:56	03:11	02:49	03:20	03:07	03:14	03:13	03:09	03:07	03:11	03:03
1:20 PM	02:54	03:04	03:14	03:13	03:05	03:21	03:16	03:06	03:04	03:20		03:06
1:30 PM	02:42	03:14	03:07	03:17	03:23	03:08	03:13	02:59	03:08	03:07	03:01	03:23
1:40 PM	02:49	03:13	02:57	02:57	03:12	03:16	03:18	03:10	03:13	03:12	03:04	03:16
1:50 PM	02:57	02:52	03:06	03:28	03:04	03:18	03:20	03:09	03:15	02:55	03:02	03:12
2:00 PM	02:48	03:20	03:03	03:19	03:08	03:23	03:03	03:05	03:22	02:56	03:07	02:56
2:10 PM	03:20	03:07	03:22	03:21	03:05	03:15	03:23	03:26	03:11	03:15	03:26	03:04
2:20 PM	03:10	03:08	03:13	03:03	03:13	03:16	03:11	03:11	03:37	03:03	03:22	03:05
2:30 PM	03:01	03:12	03:14	03:11	03:11	03:04	02:58	03:09	03:29	03:08	03:20	03:10
2:40 PM	03:12	03:13	03:17	03:24	03:01	03:14	03:17	03:19	03:39	03:14	03:32	03:14
2:50 PM	03:01	03:08	03:09	03:33	03:07	03:06	03:29	03:26	03:44	03:06	03:02	03:12
3:00 PM	03:03	03:03	03:22	03:25	03:07	03:02	03:26	03:18	03:48	03:07	03:04	03:27
3:10 PM	03:10	03:17	03:18	03:02	03:07	03:12	03:20	03:14	03:35	03:12	03:16	03:16
3:20 PM	03:02	03:34	03:09	03:16	03:31	03:09	03:31	03:18	03:40	03:03	03:23	03:19
3:30 PM	02:58	03:19	03:06	02:59	03:22	02:59	03:21	03:10	03:40	02:57	03:17	03:04
3:40 PM	03:07	03:15	03:11	03:32	03:11	03:17	03:06	03:03	03:45	03:08	03:04	03:16
3:50 PM	03:30	03:12	03:17	03:18	03:17	03:06	03:10	03:01	03:51	03:01	03:02	03:20
4:00 PM	03:14	03:16	03:12	03:15	03:15	03:04	03:14	02:56	04:22	03:23	03:18	03:27
4:10 PM	03:15	03:23	03:41	03:18	02:59	03:09	03:27	03:22	06:03	03:17	03:16	03:39
4:20 PM	03:07	03:15	03:31	03:24	03:26	03:36	03:03	03:27	08:44	03:11	03:30	03:31
4:30 PM	03:19	03:13	04:05	03:18	03:35	03:18	03:20	03:18	08:45	03:25	03:15	03:14
4:40 PM	03:16	03:17	03:26	03:13	03:22	03:16	03:14	03:27	11:04	03:13	03:17	03:18
4:41 PM												
4:50 PM	03:10	03:23	03:34	03:27	03:38	03:31	03:27	03:38	11:59	03:32	04:13	03:16
5:00 PM	03:22	03:09	03:29	03:25	03:45	03:39	03:39	03:15	11:49	03:29	03:30	03:28
5:10 PM	03:34	03:55	04:12	03:27	04:04	03:45	04:23	04:02	11:04	03:24	04:10	03:56
5:20 PM	03:32	03:56	05:00	04:08	03:52	03:40	04:27	04:16	10:40	03:34	04:17	04:18
5:30 PM	03:32	04:38	05:42	04:21	03:34	04:01	05:47	05:00	16:18	03:29	04:07	03:51
5:40 PM	03:20	03:59	04:10	04:05	03:43	03:39	04:22	04:04	14:21	03:21	03:51	03:51
5:50 PM	03:13	03:39	04:26	03:38	03:38	03:33	03:38	03:45	14:09	03:12	04:00	03:47
6:00 PM	03:19	03:27	03:43	03:25	03:20	03:13	03:11	03:25	12:11	03:04	03:53	03:36
6:10 PM	03:09	03:24	03:35	03:29	02:58	03:22	03:02	03:38	12:34	03:09	03:09	03:16

ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	02:59	03:14	03:29	03:08	03:08	03:45	03:07	03:33	07:13	02:49	03:13	03:10
6:30 PM	02:58	03:13	03:07	03:12	02:51	03:07	03:08	03:13	06:47	02:59	03:10	03:10
6:40 PM	02:58	03:13	03:14	03:04	02:46	03:15	03:10	03:28	07:44	02:54	03:06	03:14
6:50 PM	02:51	03:01	03:16	02:59	02:59	03:09	03:03	02:57	05:59	02:50	03:06	03:12
7:00 PM	03:09	02:52	02:56	03:17	03:03	03:02	03:05	02:58	04:20	02:53	03:06	03:09
7:10 PM	02:55	02:54	02:52	03:05	02:55	02:47	02:55	02:55	03:43	02:47	02:51	03:03
7:20 PM	02:58	02:47	02:47	03:13	03:14	02:47	02:52	02:48	03:25	02:53	02:53	03:00
7:30 PM	02:54	02:50	02:46	03:05	02:58	02:38	02:47	02:48	03:09	02:48	02:46	03:05
7:40 PM	02:48	02:56	02:43	02:41	02:49	02:40	02:45	02:47	02:53	02:44	02:53	03:02
7:50 PM	02:49	02:59	02:45	02:41	02:36	02:40	02:38	02:46	02:57	02:48	02:53	02:54
8:00 PM	02:45	02:37	02:39	02:38	02:31	02:34	02:45	02:57	02:50	02:42	02:44	02:52
8:10 PM	02:44	02:43	02:40	02:33	02:30	02:41	02:36	02:52	02:42	02:31	02:46	02:44
8:20 PM	02:39	02:37	02:43	02:31	02:36	02:40	02:32	02:43	02:43	02:44	02:49	02:49
8:30 PM	02:35	02:46	02:36	02:32	02:28	02:34	02:35	02:41	02:44	02:38	02:50	02:52
8:40 PM	02:28	02:43	02:31	02:33	02:30	02:28	02:52	02:40	02:41	02:37	02:47	02:45
8:50 PM	02:30	02:39	02:32	02:29	02:34	02:30	02:41	02:29	02:36	02:35	02:50	02:48

Traction Probe Data Heatmap												
ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:32	02:36	02:28	02:23	02:24	02:22	02:33	02:31	02:29	02:24	02:25	02:30
5:20 AM	02:31	02:37	02:25	02:24	02:27	02:23	02:35	02:33	02:19	02:18	02:27	02:34
5:30 AM	02:27	02:36	02:31	02:30	02:25	02:28	02:30	02:32	02:18	02:24	02:32	02:30
5:40 AM	02:32	02:40	02:31	02:31	02:27	02:31	02:34	02:34	02:19	02:27	02:35	02:29
5:50 AM	02:32	02:29	02:33	02:28	02:29	02:33	02:38	02:32	02:23	02:27	02:37	02:36
6:00 AM	02:38	02:33	02:37		02:37	02:39	02:43	02:41	02:28	02:43	02:39	02:40
6:10 AM	02:42	02:41	02:47	02:39	02:46	02:34	02:45	02:44	02:33	02:38	02:45	02:44
6:20 AM	02:38	02:39	02:53	02:48	02:46	02:35	02:48	02:44	02:37	02:48	02:48	02:38
6:30 AM		02:42	02:52	02:52	02:51	02:46	02:48	02:48	02:37	02:51	02:49	02:41
6:40 AM	02:42	02:48	02:54	02:56	02:47	02:46	02:51	02:46	02:44	02:43	02:44	02:49
6:50 AM	02:53	02:46	02:45	02:51	02:49	02:46	03:15	02:46	02:45	02:45	02:53	02:51
7:00 AM	02:56	02:51	02:46	02:54	02:42	02:53	03:25	02:58	02:49	02:53	02:49	02:57
7:10 AM	02:54	03:06	02:53	03:08	02:42	02:58	03:37	02:58	02:55	02:57	02:58	03:00
7:20 AM	02:54	03:01	03:27	03:19	02:48	03:04	03:37	03:15	02:58	02:54	03:07	02:58
7:30 AM	03:03	02:59	03:17	03:16	02:56	03:07	03:14	03:10	03:10	02:58	03:08	03:23
7:40 AM	03:10	03:30	03:16	03:30	03:14	03:07	03:26	03:06	03:08	03:10	03:14	03:12
7:50 AM	03:04	03:18	03:15	03:23	03:16	03:13	03:22	03:12	02:59	03:06	03:10	03:18
8:00 AM	03:05	03:39	03:18	03:19	03:38	03:19		03:12	03:01	03:33	03:38	03:23
8:10 AM	03:22	03:22	03:13	03:27	03:36	03:32	03:30	03:25	02:57	03:28	03:26	03:31
8:20 AM	03:27	03:23	03:44	03:23	03:28	03:37	03:52	03:22	03:00	03:22	03:29	03:27
8:30 AM	03:24	03:40	03:33	03:37	03:04	03:43	03:40	03:27	03:01	03:25	03:50	03:23
8:40 AM	03:26		03:23	03:42	03:15	03:23	03:21	03:12	03:01	03:24	03:34	03:17
8:50 AM	03:21	03:52	03:15	03:25	03:26	03:28	03:29	03:14	03:05	03:35	03:19	03:30
9:00 AM	03:21	03:18		03:31	03:26	03:24	04:04	03:18	03:04	03:28	03:29	03:26
9:10 AM	03:27	03:39	03:23	03:47	03:10	03:23	03:43	03:12	03:05	03:21	03:21	03:24
9:20 AM	03:30	03:14	03:18	03:45	03:12	03:26	03:35	03:10	02:54	03:26	03:24	03:21
9:30 AM	03:22	03:19	03:27	03:46	03:13	03:26	03:45	03:05	03:01	03:16	03:21	03:23
9:40 AM	03:12	03:10	03:21	03:24	03:13	03:33	03:32	03:37	02:46	03:21	03:03	03:09
9:50 AM	03:17	03:30	03:15	03:37	03:18	03:10	03:38	03:04	03:00	03:39	03:04	03:15
10:00 AM	03:20	03:10	03:23	03:08	03:10	03:18	03:27	03:00	02:44	03:21	03:14	03:11
10:10 AM	03:12	02:56	03:18	03:07	03:08	03:07	03:27	03:05	02:46	03:21	03:26	03:10
10:20 AM	03:28	03:00	03:14	03:15	03:07	03:06	03:14	03:11	02:46	03:20	03:26	03:27
10:21 AM							03:06	03:06	02:43	02:54	03:16	03:07
10:30 AM	03:21	03:01	03:05	03:06	03:03	03:17	03:10	03:03	02:51	02:57	03:06	03:14
10:40 AM	03:19	03:04	03:00	03:00	03:04	03:09	03:30	02:58	02:58	02:51	03:07	03:07
10:50 AM	03:09	03:18	02:51	02:57	02:52	03:03	03:18	03:09	02:56	02:59	03:07	03:17
11:00 AM	03:00	03:08	03:15	02:58		03:10	03:04	03:07	03:02	03:02	03:00	03:11
11:10 AM	03:05	02:58	03:15	03:07	02:46	03:01	03:21	03:10	02:58	02:57	03:08	03:05
11:20 AM	03:00	03:14	03:00	03:00	03:02	03:05	03:05	03:10	02:53	03:03	03:04	03:08

ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:19	03:10	03:11	03:06	03:11	03:07	03:09	03:12	02:56	03:18	03:08	03:11
11:40 AM	03:08	03:03	02:56	02:55	02:58	03:05	03:26	03:12	03:04	03:10	03:04	03:07
11:50 AM	03:20	03:12	03:28	03:21	03:07	03:00	03:34	03:11	03:09	03:14	03:16	03:13
12:00 PM	03:13		03:12	03:27	03:21	03:14	03:15	03:06	02:57	03:07	03:14	03:21
12:10 PM	03:33	03:12	03:21	03:35	03:09	03:12	03:23	03:15	03:06	03:02	03:07	03:07
12:20 PM	03:11	03:15	03:16	03:30	03:22	03:40	03:20	03:15	03:02	03:08	03:17	03:01
12:30 PM	03:21	03:16	03:14	03:32	03:24	03:15	03:27	03:21	03:04	03:16	03:05	02:51
12:40 PM	03:21	02:52	03:07	03:11	03:07	03:09	03:24	03:15	02:56	03:16	03:24	02:57
12:50 PM	03:22	03:12	03:13	03:13	03:07	02:58	03:31	03:16	03:08	03:08	03:23	03:11
1:00 PM	03:09	03:22	03:04	03:02	03:00	03:35	03:36	03:05	02:47	03:11	03:10	03:02
1:10 PM	03:21	03:12	03:02	03:27	03:12	03:01	03:27	03:14	02:53	03:12	03:08	03:13
1:20 PM	03:22	02:59	03:06	03:13	02:58	03:09	03:35	03:16	03:01	03:03	03:04	03:11
1:30 PM	03:12	03:14	03:09	02:53	02:55	03:14	03:20	03:04	02:57	02:58	03:01	03:00
1:40 PM	03:07	03:18	02:58	03:46	02:54	03:24	03:22	03:20	02:52	03:00	03:12	03:11
1:50 PM	03:13	03:04	03:04	03:12	03:09	03:25	03:19	03:18	02:56	03:10	03:09	03:10
2:00 PM	03:05	03:17	03:01	03:03	03:08	02:58	03:26	03:14	02:52	03:17	03:26	03:17
2:10 PM	03:26	03:20	03:00	03:07	03:01	03:08	03:25	03:18	02:53	03:08	03:27	03:17
2:20 PM	03:01	03:15	03:18	03:08	03:10	03:14	03:13	03:05	03:03	03:05	03:12	03:32
2:30 PM	03:11	03:12	02:56	03:10	03:03	03:07	03:27	03:30	03:09	03:22	03:23	03:27
2:40 PM	03:18	03:22	03:18	03:28	03:09	03:06	03:10	03:22	03:02	03:08	03:34	03:36
2:50 PM	03:14	03:25	03:23	03:05	03:07	03:22	03:27	03:17	03:01	03:10	03:22	03:27
3:00 PM	03:19	03:12	03:06	03:13	03:17	03:24	03:35	03:30	02:58	03:21	03:27	03:26
3:10 PM	03:31	03:03	03:13	03:02	03:17	03:41	04:08	03:22	03:08	03:25	03:17	03:32
3:20 PM	03:11	03:23	03:12	02:51	03:31	03:41	03:33	03:12	03:07	03:24	03:09	03:08
3:30 PM	03:41	03:06	03:23	02:58	03:17	03:34	03:38	03:14	03:02	03:17	03:31	03:17
3:40 PM	03:11	03:23	03:25	03:17	03:11	03:20	04:59	03:13	03:10	03:02	03:15	03:24
3:50 PM	03:19	03:12	03:21	02:57	03:14	03:40	06:40	03:11	03:06	03:15	03:20	03:29
4:00 PM	03:05	03:23	03:14	03:04	03:03	04:06	06:37	03:37	02:56	03:13	03:15	03:23
4:10 PM	03:11	03:29	03:10	03:30	02:57	04:29	05:31	03:39	03:10	03:30	04:04	03:20
4:20 PM	03:18	03:27	03:12	03:17	03:08	05:11	05:01	03:22	03:03	03:28	03:39	03:21
4:30 PM	03:25	03:16	03:24	03:06	02:58	06:01	04:43	03:08	03:10	03:17	03:51	03:15
4:40 PM	03:33	03:28	03:15	03:12	03:10	06:28	04:22	03:00	03:00	03:20	03:40	03:37
4:41 PM	03:34						03:23	03:04	03:01	03:20	03:49	03:25
4:50 PM	03:11	03:27	03:41	03:26	03:13	06:10	04:06	03:19	03:37	03:29	04:12	03:51
5:00 PM	03:24	03:21	03:29	03:22	03:29	06:44	04:37	03:17	03:35	03:43	05:14	04:01
5:10 PM	03:42	03:51	03:37	03:58	03:47	09:08	05:04	03:10	03:29	04:03	05:03	03:48
5:20 PM	04:40	04:49	03:31	03:55	03:53	11:24	04:18	03:30	03:14	03:23	05:08	03:35
5:30 PM	04:47	03:48	03:09	04:17	04:07	10:11	03:26	03:16	03:17	03:22	03:53	03:43
5:40 PM	04:04	03:49	03:20	03:45	03:28	12:51	03:42	03:17	03:18	03:12	04:18	03:29
5:50 PM	03:48	03:22	03:21	03:25	03:33	11:35	03:27	03:12	03:09	03:25	03:56	03:06
6:00 PM	03:29	03:39	03:06	03:22	03:38	07:56	03:21	03:23	03:27	03:20	03:31	03:19
6:10 PM	03:44	03:26	02:58	03:26	03:13	05:26	03:22	03:17	02:59	03:17	03:23	03:19



ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	03:16	03:18	03:06	03:12	03:05	07:26	03:13	03:17	02:52	03:22	03:19	03:06
6:30 PM	03:11	03:28	02:59	03:20	03:25	06:51	03:12	03:03	02:56	03:03	03:08	03:02
6:40 PM	03:08	03:06	03:02	03:09	03:09	05:37	03:14	03:10	02:50	02:55	03:01	03:08
6:50 PM	03:06	03:05	03:02	03:13	03:18	04:08	03:17	03:02	02:51	02:57	03:07	03:04
7:00 PM	03:08	03:12	03:05	03:08	03:02	03:40	02:51	03:01	02:55	03:05	02:55	02:52
7:10 PM	02:55	03:12	02:59	03:00	02:55	03:27	02:59	03:00	02:51	03:01	03:02	02:51
7:20 PM	02:46	02:53	02:56	02:48	02:58	03:07	02:59	02:47	02:46	02:52	02:45	02:37
7:30 PM	03:05	02:54	02:52	02:43	03:04	03:11	03:08	02:44	02:44	03:02	02:44	02:46
7:40 PM	02:58	02:41	02:51	02:57	02:46	03:05	02:42	02:50	02:48	02:51	02:39	02:48
7:50 PM	02:53	02:31	02:40	02:42	02:41	03:09	02:47	02:50	02:41	02:46	02:41	02:46
8:00 PM	02:51	02:34	02:41	02:43	02:37	02:53	02:49	02:45	03:03	02:41	02:38	02:47
8:10 PM	02:48	02:43	02:36	02:43	02:31	02:47	02:43	02:45	02:44	02:41	02:34	02:35
8:20 PM	02:51	02:41	02:27	02:45	02:32	02:45	02:38	02:38	02:31	02:38	02:44	02:37
8:30 PM	02:44	02:36	02:33	02:40	02:28	02:38	02:40	02:29	02:27	02:40	02:39	02:26
8:40 PM	02:38	02:31	02:32	02:33	02:27	02:40						
8:50 PM	02:43	02:40	02:30	02:42	02:28	02:40						

Traction Probe Data Heatmap

ROUTE Vista Sorrento Pkwy SB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:39	02:25	02:40	02:51	02:42	02:40	02:29	02:46	02:51	02:39	02:41
5:20 AM		02:41	02:27	02:45	02:50	02:47	02:40	02:33	02:46	02:50	02:38	02:43
5:30 AM		02:41	02:27	02:48	02:40	02:53	02:39	02:29	02:50	02:45	02:48	02:45
5:40 AM		02:35	02:25	02:51	02:35	02:47	02:37	02:27	02:42	02:31	02:54	02:45
5:50 AM		02:42	02:27	02:50	02:34	02:43	02:38	02:27	02:39	02:31	02:45	02:47
6:00 AM		02:48	02:31	02:38	02:29	02:42	02:42	02:31	02:35	02:24	03:03	02:45
6:10 AM		02:30	02:35	02:36	02:36	02:40	02:45	02:31	02:29	02:31	02:50	02:35
6:20 AM		02:33	02:35	02:40	02:33	02:38	02:48	02:30	02:34	02:34	02:45	02:34
6:30 AM		02:35	02:35	02:31	02:40	02:41	02:41	02:42	02:32	02:38	02:43	02:33
6:40 AM		02:35	02:33	02:32	02:58	02:41	02:38	02:47	02:38	02:40	02:35	02:33
6:50 AM		02:45	02:33	02:49	02:48	02:35	02:35	02:45	02:47	02:31	02:35	02:27
7:00 AM		02:34	02:31	02:39	02:50	02:35	02:33	02:33	02:39	02:28	02:31	02:38
7:10 AM		02:35	02:28	02:33	02:46	02:31	02:33	02:37	02:42	02:23	02:29	02:44
7:20 AM		02:38	02:38	02:35	02:51	02:30	02:25	02:38	02:45	02:24	02:28	02:40
7:30 AM		02:41	02:37	02:34	02:33	02:44	02:28	02:28	02:50	02:30	02:36	02:38
7:40 AM		02:57	02:34	02:43	02:36	02:29	02:30	02:25	02:38	02:33	02:30	02:35
7:50 AM		03:00	02:41	02:44	02:42	02:33	02:42	02:29	02:34	02:33	02:38	02:50
8:00 AM		02:40	02:55	02:43	02:49	02:40	02:45	02:36	02:41	02:46	02:46	02:36
8:10 AM		03:00	02:46	02:48	02:43	02:42	02:50	02:55	02:46	02:48	02:44	02:44
8:20 AM		03:04	02:45	02:37	02:41	02:45	02:38	02:45	02:44	02:47	02:57	02:46
8:30 AM		03:02	02:43	02:40	02:43	02:53	02:43	02:56	02:42	03:08	02:50	02:38
8:40 AM		02:57	02:50	02:44	02:47	02:52	02:45	02:59	02:45	02:41	03:06	02:48
8:50 AM		03:00	02:55	03:03	02:46	02:43	02:54	02:54	02:39	02:56	03:00	02:59
9:00 AM		02:55	02:59	02:56	03:04	02:46	02:51	02:53	02:55	02:36	02:52	02:42
9:10 AM		02:55	02:54	02:47	02:48	03:00	02:48	02:46	02:43	02:50	02:48	02:46
9:20 AM		03:04	03:04	03:02	03:03	03:03	02:47	02:58	02:54	02:51	03:01	03:06
9:30 AM		02:52	03:07	02:43	02:48	02:48	02:43	02:37	03:09	02:46	02:45	02:54
9:40 AM		02:52	03:01	02:46	02:46	02:49	02:44	02:50	03:00	02:47	02:58	02:48
9:50 AM		02:44	02:59	02:37	02:58	02:50	03:12	02:46	02:58	02:50	02:46	02:38
10:00 AM		02:38	02:49	02:39	02:44	02:53	02:47	02:41	02:45	02:46	02:53	02:45
10:10 AM		02:52	02:41	02:50	02:48	02:45	02:39	02:40	02:45	02:40	02:41	02:49
10:20 AM		02:40	02:55	02:47	02:41	02:44	02:46	02:46	02:48	02:42	02:39	02:36
10:21 AM								02:48				
10:30 AM		02:41	03:01	02:55	02:53	02:54	02:42	02:42	02:56	03:03	02:39	02:42
10:40 AM		02:40	02:37	02:43	02:52	02:47	02:35	02:45	02:43	03:06	02:56	02:46
10:50 AM		02:41	02:47	02:52	02:31	03:18	02:46	02:34	02:44	02:47	03:01	02:44
11:00 AM		02:47	02:45	02:53	02:31	03:01	02:43	02:41	02:39	02:39	02:56	02:44
11:10 AM		02:42	03:04	02:49	02:38	02:55	02:44	02:35		02:39	03:01	02:45
11:20 AM		02:39	03:15	02:51	02:41	03:04	02:46	02:43	02:45	02:42	03:03	02:38

ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		02:50	02:45	02:40	02:38	03:13	02:44	02:35	02:58	02:50	02:57	02:36
11:40 AM		02:50	03:05	02:48	02:45	02:48	02:56	03:04	02:54	02:54	02:58	02:46
11:50 AM		02:58	02:44	02:54	02:54	02:50	02:42	02:56	02:51	02:45	02:50	02:48
12:00 PM		02:59	02:59	02:55	03:05	03:01	03:04	02:48	02:56	02:54	02:57	03:01
12:10 PM		03:15	02:52	02:58	03:09	02:51	03:15	03:01	02:54	03:05	02:48	02:57
12:20 PM		03:02	02:55	02:46	02:59	02:59	02:56	02:53	02:48	02:59	02:52	03:07
12:30 PM		03:10	02:49	02:46	03:05	02:52	03:06	02:56	02:58	02:58	02:45	02:56
12:40 PM		03:19	02:58	02:49	02:57	02:46	02:53	02:58	02:52	02:51	02:54	03:01
12:50 PM		03:14	03:02	03:00	02:54	02:50	03:00	02:49	03:03	03:13	02:58	02:52
1:00 PM		03:14	03:02	02:45	03:04	02:54	03:14	03:57	02:46	02:53	02:53	02:50
1:10 PM	02:57	03:18	02:53	02:48	02:51	02:55	03:03	03:05	02:38	03:00	03:08	02:50
1:20 PM	02:50	02:56	02:49	02:50	02:52	02:49	02:44	02:47	02:45	02:46		02:34
1:30 PM	02:55	02:48	02:45	02:42	02:50	02:46	02:52	02:42	02:43	02:49	02:49	02:50
1:40 PM	02:49	02:57	02:44	02:51	02:54	02:51	02:49	03:05	02:58	02:55	02:59	02:52
1:50 PM	02:51	02:49	02:48	02:56	03:01	02:58	02:48	02:52	03:12	02:51	02:55	02:46
2:00 PM	02:37	02:51	02:44	02:54	02:54	02:40	02:45	02:55	03:09	02:49	02:34	02:45
2:10 PM	02:54	02:52	02:46	02:46	03:00	02:50	02:52	03:03	03:08	02:47	02:52	02:47
2:20 PM	02:51	03:25	03:04	02:37	02:52	02:50	02:43	02:50	03:24	02:51	02:52	02:41
2:30 PM	02:45	03:02	03:09	02:53	02:52	03:20	02:46	02:49	03:40	02:52	02:48	02:48
2:40 PM	03:06	03:14	03:39	03:08	02:55	03:08	03:02	02:52	04:01	02:53	03:06	02:50
2:50 PM	03:08	03:17	03:27	03:23	03:05	02:48	03:10	03:01	03:38	02:48	02:49	02:49
3:00 PM	02:42	02:55	03:13	02:59	03:12	02:49	02:50	02:53	03:43	02:59	02:49	02:45
3:10 PM	02:50	03:06	02:51	02:45	03:04	02:57	02:49	02:48	03:41	02:54	03:16	02:48
3:20 PM	03:01	02:59	03:02	02:59	03:08	03:04	02:53	02:53	04:31	02:50	02:56	02:43
3:30 PM	02:57	02:52	02:44	03:00	03:23	02:50	02:59	02:44	04:11	02:57	02:59	02:46
3:40 PM	02:53	02:49	03:01	02:56	03:14	02:52	03:06	02:45	04:19	03:02	02:53	03:00
3:50 PM	03:01	02:53	03:08	03:00	03:32	03:03	02:44	02:50	03:57	02:42	03:01	02:38
4:00 PM	03:00	02:36	02:53	02:46	03:27	02:41	02:50	02:52	04:17	02:46	02:51	02:57
4:10 PM	03:06	02:47	03:11	03:22	03:22	02:53	02:53	03:02	04:35	02:56	02:52	02:52
4:20 PM	02:50	03:05	03:00	03:35	03:16	02:47	02:38	03:02	05:31	02:42	02:50	03:22
4:30 PM	03:02	02:39	03:19	03:04	03:08	02:46	03:09	03:15	05:25	02:48	02:54	02:46
4:40 PM	02:51	02:54	03:02	03:14	03:19	02:55	02:59	03:09	04:51	02:40	03:21	02:59
4:41 PM												
4:50 PM	03:07	02:57	03:18	03:16	03:12	02:57	03:08	03:23	04:48	02:46	02:59	02:50
5:00 PM	02:55	03:03	03:20	03:10	03:23	02:51	03:05	03:21	06:42	02:56	03:12	03:12
5:10 PM	03:22	03:25	03:41	03:40	03:31	03:21	03:13	03:19	05:06	03:10	03:34	03:42
5:20 PM	02:56	03:33	03:30	03:17	03:32	03:05	02:58	03:26	05:09	02:59	03:48	03:34
5:30 PM	03:06	03:12	03:33	03:15	03:35	03:11	03:00	03:19	05:31	03:23	03:12	03:47
5:40 PM	03:00	03:30	03:19	03:13	03:25	03:04	03:07	03:07	06:04	03:01	03:15	03:29
5:50 PM	03:03	03:12	03:45	03:09	03:13	03:06	03:12	03:10	05:45	02:53	03:09	03:16
6:00 PM	02:43	03:11	03:15	03:09	03:14	02:52	02:58	03:13	04:41	02:51	03:20	03:07
6:10 PM	02:47	03:17	03:22	03:04	03:06	02:47	03:06	03:12	04:36	02:44	03:01	03:12



ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	03:05	03:07	03:05	03:02	03:07	02:47	02:54	03:05	03:55	03:08	02:54	03:07
6:30 PM	03:02	03:13	03:04	03:09	02:48	02:52	02:47	02:58	04:30	02:38	02:56	02:54
6:40 PM	02:43	03:01	03:10	02:49	02:52	02:53	02:48	02:49	03:48	02:55	02:46	02:44
6:50 PM	02:44	03:04	02:55	02:39	02:42	02:56	02:55	02:52	03:49	02:59	02:37	02:48
7:00 PM	02:51	03:07	02:57	02:50	02:39	02:46	02:50	02:52	03:17	02:49	02:51	02:47
7:10 PM	02:51	03:08	03:15	02:46	02:54	02:39	02:50	02:54	02:59	02:49	02:49	02:58
7:20 PM	02:48	02:46	02:36	02:51	02:46	02:50	02:49	02:50	03:04	02:43	02:50	02:46
7:30 PM	02:56	02:43	02:36	02:48	02:45	02:43	02:48	02:59	02:53	02:38	02:48	02:57
7:40 PM	02:49	02:42	02:36	02:45	02:53	02:48	02:48	03:04	02:44	02:38	02:39	02:44
7:50 PM	02:43	02:38	02:30	02:37	02:59	02:46	02:39	02:54	02:52	02:43	02:38	02:52
8:00 PM	02:41	02:38	02:41	02:46	02:52	02:46	02:37	02:36	02:48	02:32	02:41	02:37
8:10 PM	02:49	02:31	02:37	02:52	02:46	02:42	02:39	02:34	02:35	02:33	02:42	02:53
8:20 PM	02:38	02:40	02:59	02:48	02:48	02:51	02:35	02:45	02:47	02:39	02:47	02:42
8:30 PM	02:48	02:43	02:40	02:44	02:39	02:41	02:40	02:38	03:03	02:46	02:35	02:36
8:40 PM	02:52	02:51	02:38	02:47	02:24	02:40	02:35	02:40	02:48	02:39	02:35	02:41
8:50 PM	02:56	02:54	02:42	02:54	02:33	02:39	02:36	02:50	02:51	02:40	02:28	02:45

Traction Probe Data Heatmap												
ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:32	02:46	02:51	02:44	02:47	02:32	02:46	02:48	02:40	02:42	02:36	02:44
5:20 AM	02:32	02:46	02:50	02:44	02:44	02:26	02:46	02:48	02:40	02:42	02:35	02:44
5:30 AM	02:24	02:53	02:44	02:49	02:47	02:25	02:52	02:46	02:46	02:44	02:33	02:48
5:40 AM	02:27	02:45	02:34	02:46	02:46	02:28	02:43	02:43	02:56	02:44	02:33	02:43
5:50 AM	02:27	02:41	02:36	02:46	02:40	02:29	02:47	02:40	02:59	02:44	02:33	02:43
6:00 AM	02:20	02:45	02:27	02:45	02:48	02:29	02:39	02:36	02:58	02:44	02:34	02:41
6:10 AM	02:19	02:41	02:32	02:41	02:40	02:23	02:37	02:41	02:49	02:40	02:28	03:05
6:20 AM	02:26	02:33	02:34	02:42	02:36	02:31	02:39	02:42	02:44	02:34	02:26	02:57
6:30 AM		02:24	02:33	02:34	02:37	02:28	02:39	02:44	02:37	02:33	02:37	02:46
6:40 AM	02:26	02:40	02:34	02:29	02:23	02:26	02:45	02:45	02:39	02:38	02:30	02:41
6:50 AM	02:31	02:25	02:28	02:26	02:22	02:34	02:36	02:42	02:37	02:41	02:27	02:29
7:00 AM	02:32	02:24	02:51	02:52	02:35	02:33	02:49	02:52	02:43	02:42	02:28	02:28
7:10 AM	02:34	02:41	02:51	02:34	02:25	02:34	02:55	03:17	02:25	02:33	02:35	02:41
7:20 AM	02:36	02:41	02:47	02:41	02:27	02:36	02:40	02:42	02:27	02:34	02:48	02:34
7:30 AM	02:45	02:34	02:40	02:36	02:31	02:25	02:45	02:39	02:22	02:42	02:50	02:26
7:40 AM	02:38	02:42	02:46	02:39	02:36	02:38	02:44	02:51	02:42	02:37	02:45	02:41
7:50 AM	02:46	02:38	02:37	02:46	02:34	02:34	02:41	02:59	02:37	02:42	02:49	02:42
8:00 AM	02:36	02:42	02:47	03:00	02:45	02:42	02:44	02:43	02:53	02:52	02:51	02:34
8:10 AM	02:39	02:42	02:51	02:47	02:46	02:34	02:42	02:58	03:01	02:57	02:55	02:42
8:20 AM	02:43	03:05	03:35	02:45	02:48	02:41	02:47	02:44	02:49	02:48	03:05	02:47
8:30 AM	02:40	02:53	02:58	02:57	02:50	03:08	02:46	02:44	02:57	02:52	03:01	03:05
8:40 AM	02:43		02:55	02:45	03:10	03:03	02:46	02:49	02:58	02:47	02:46	02:39
8:50 AM	02:54	03:11	03:10	02:58	03:06	03:09	02:40	02:52	02:58	02:55	02:50	02:51
9:00 AM	02:59	02:51	03:12	02:58	03:14	02:43	02:52	02:38	02:56	02:53	02:52	02:49
9:10 AM	03:01	02:49	03:28	03:04	03:03	02:48	03:04	02:41	02:42	02:47	02:39	02:55
9:20 AM	03:00	02:50	02:59	02:57	02:53	02:45	02:55	02:47	02:49	02:44	02:46	02:57
9:30 AM	02:52	02:50	02:59	03:00	03:00	02:44	03:07	02:46	03:00	03:00	02:51	02:49
9:40 AM	02:42	02:56	02:48	02:57	02:41	02:58	03:03	03:02	02:43	02:43	02:49	03:05
9:50 AM	03:01	02:55	02:34	02:50	02:52	03:03	03:29	02:45	02:53	02:42	02:55	04:15
10:00 AM	02:55	03:06	02:42	02:51	02:37	03:06	03:06	02:44	02:53	02:41	02:57	02:47
10:10 AM	02:48	02:52	02:36	02:39	02:54	03:02	02:59	02:55	02:51	02:58	02:44	02:53
10:20 AM	02:55	02:56	02:40	02:58	02:50	02:48	03:02	02:45	02:53	02:40	02:53	02:39
10:21 AM							02:52	02:41	02:57	03:01	02:55	02:55
10:30 AM	02:49	02:43	02:36	03:12	03:05	02:37	03:01	02:54	02:48	02:46	03:17	02:50
10:40 AM	03:11	02:52	02:46	02:55	02:53	02:43	02:52	02:35	02:54	02:36	02:54	03:08
10:50 AM	03:04	02:43	02:39	02:49	02:47	02:44	02:45	02:51	02:44	02:46	02:51	02:52
11:00 AM	03:08	03:05	02:38	03:07		02:46	02:51	03:07	02:55	02:41	02:48	02:54
11:10 AM	02:54	02:37	02:42	02:45	02:55	02:55	02:55	03:06	02:48	02:54	02:46	02:57
11:20 AM	02:56	02:49	02:38	02:45	02:57	02:40	03:03	03:02	02:52	02:37	02:55	03:07

ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:11	03:00	02:50	02:30	02:42	03:04	02:56	03:00	02:53	03:00	03:03	02:44
11:40 AM	02:47	02:48	03:00	02:39	02:48	03:02	03:03	03:02	02:49	03:02	03:03	03:10
11:50 AM	03:01	02:53	02:54	02:47	02:50	02:56	03:07	02:56	02:51	02:56	03:17	02:58
12:00 PM	02:39	02:39	03:12	02:55	02:58	03:02	03:00	02:56	02:45	02:53	02:59	03:02
12:10 PM	03:03	02:48	03:00	02:57	02:56	02:58	03:02	03:03	02:43	03:01	02:57	03:05
12:20 PM	03:01	03:14	02:54	02:51	03:15	02:51	02:57	02:59	02:41	03:08	03:06	03:12
12:30 PM	02:48	03:07	03:03	03:09	02:56	02:59	03:03	03:06	03:04	03:04	03:07	02:55
12:40 PM	02:55	02:51	03:03	02:53	02:43	02:58	02:47	03:06	03:03	02:54	03:03	02:58
12:50 PM	03:00	03:00	03:01	02:57	02:47	03:07	02:50	03:03	02:43	03:09	03:02	02:59
1:00 PM	02:53	03:02	02:57	02:47	02:50	02:58	02:44	02:49	02:37	02:55	03:04	02:48
1:10 PM	02:56	02:50	02:54	02:44	02:46	02:51	02:40	02:59	02:43	02:57	03:03	02:55
1:20 PM	02:50	02:50	02:45	02:47	03:01	02:41	02:55	02:54	02:35	02:52	02:53	02:57
1:30 PM	02:41	02:51	02:54	03:03	02:43	03:01	02:52	02:41	02:38	02:45	02:54	03:04
1:40 PM	02:48	03:03	02:49	02:56	02:41	03:16	02:54	02:53	02:43	02:41	02:59	02:45
1:50 PM	02:42	02:51	02:51	02:44	02:44	03:27	02:55	02:56	02:44	02:45	02:53	02:47
2:00 PM	02:50	02:48	02:57	02:40	02:59	03:15	03:03	02:55	02:56	03:03	03:03	02:56
2:10 PM	02:59	02:43	02:54	02:58	02:59	03:15	02:51	03:03	03:01	03:00	02:56	02:59
2:20 PM	02:49	02:58	02:52	03:26	03:04	03:06	03:10	02:53	02:47	03:01	02:54	03:18
2:30 PM	02:50	03:02	02:49	03:14	03:33	03:00	03:47	02:57	02:53	03:07	02:57	03:03
2:40 PM	03:08	03:10	03:24	03:25	03:12	03:09	02:54	02:55	02:57	03:11	03:05	03:19
2:50 PM	03:04	03:01	03:02	03:09	02:56	03:25	02:54	02:52	02:59	02:46	03:09	03:13
3:00 PM	02:59	03:02	03:01	02:56	03:20	03:17	03:13	02:50	02:56	02:46	03:04	03:24
3:10 PM	02:55	03:11	02:51	02:45	03:07	03:13	03:30	02:59	02:54	03:07	02:48	03:09
3:20 PM	03:05	02:57	03:03	02:47	03:03	03:23	03:05	03:08	03:03	03:06	02:51	03:03
3:30 PM	02:58	03:04	03:09	02:56	02:56	03:11	03:41	03:08	02:49	03:06	03:09	03:11
3:40 PM	02:55	03:16	02:57	02:49	02:45	03:12	03:24	02:59	02:50	03:01	03:04	03:10
3:50 PM	03:01	03:02	03:12	03:10	03:02	03:27	03:13	03:23	02:57	03:04	03:07	03:01
4:00 PM	02:53	02:58	03:23	02:46	03:04	03:22	04:06	03:07	02:51	02:58	03:21	03:07
4:10 PM	02:52	03:25	03:10	02:56	03:01	04:13	04:17	03:07	02:34	02:56	03:07	02:58
4:20 PM	03:14	03:06	02:55	03:10	02:42	04:28	03:12	02:47	02:45	03:00	02:47	02:45
4:30 PM	03:06	02:57	02:56	02:53	02:47	05:05	03:19	03:00	02:54	03:08	03:27	02:55
4:40 PM	03:05	03:28	02:54	02:55	02:49	05:22	03:02	03:01	03:08	02:54	03:27	03:08
4:41 PM	03:04						03:14	02:57	02:59	03:22	03:35	03:12
4:50 PM	03:04	03:21	03:26	02:47	02:56	05:27	04:31	03:09	03:15	03:47	03:51	03:10
5:00 PM	03:13	03:48	03:14	02:52	02:50	04:12	03:50	03:04	02:56	03:31	03:54	03:16
5:10 PM	03:21	03:28	03:20	03:24	03:12	04:38	03:17	03:09	02:48	03:29	03:26	03:22
5:20 PM	03:16	03:45	03:41	03:47	03:01	05:15	03:20	02:52	02:54	03:16	03:30	03:11
5:30 PM	03:19	04:22	03:18	03:22	03:09	05:34	03:04	02:53	02:48	03:18	03:29	03:06
5:40 PM	03:09	03:30	03:04	03:08	02:59	06:26	03:19	02:51	02:51	03:16	03:25	03:15
5:50 PM	03:10	03:40	03:03	02:56	02:56	04:38	03:32	03:04	02:58	03:01	03:12	03:10
6:00 PM	03:05	03:20	02:54	02:55	03:09	03:48	03:22	03:04	02:58	02:59	03:27	03:08
6:10 PM	03:03	03:34	02:53	02:56	02:56	03:57	03:04	03:03	02:46	03:03	02:53	03:08

ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	02:58	03:17	02:43	02:48	03:05	03:29	02:51	02:58	02:41	02:42	02:56	02:53
6:30 PM	03:07	03:09	02:56	02:54	02:50	03:12	02:45	03:03	02:48	02:49	02:54	02:59
6:40 PM	02:54	03:03	03:00	02:56	02:52	03:18	03:03	02:54	03:00	02:54	02:55	02:57
6:50 PM	02:53	03:06	02:49	02:56	02:46	03:08	02:57	02:56	02:51	02:53	03:01	03:13
7:00 PM	02:42	03:06	02:38	02:51	02:47	03:08	03:00	02:56	02:48	02:46	02:56	02:52
7:10 PM	02:44	02:50	02:37	02:48	02:48	03:01	02:57	02:57	02:41	02:44	02:59	02:45
7:20 PM	02:44	02:52	02:39	02:46	02:49	03:12	02:50	02:42	02:37	02:41	03:01	02:47
7:30 PM	02:46	02:59	02:49	02:38	02:46	03:00	02:44	02:37	02:35	02:42	02:44	02:45
7:40 PM	02:53	02:55	02:48	02:35	02:44	02:49	02:53	02:31	02:26	02:41	02:41	02:46
7:50 PM	02:38	02:55	02:45	02:41	02:47	02:54	02:39	02:34	02:27	02:54	02:46	02:37
8:00 PM	02:41	02:53	02:44	02:45	02:42	02:54	02:42	02:35	02:33	02:47	02:53	02:32
8:10 PM	02:42	02:45	02:45	02:45	02:37	02:41	02:36	02:41	02:31	02:52	02:42	02:32
8:20 PM	02:38	02:45	02:45	02:40	02:34	02:58	02:30	02:36	02:40	02:50	02:50	02:41
8:30 PM	02:35	02:44	02:40	02:36	02:42	02:47	02:27	02:40	02:43	02:56	02:51	02:42
8:40 PM	02:35	02:38	02:45	02:29	02:35	02:46						
8:50 PM	02:38	02:38	02:41	02:29	02:37	02:47						

Traction Probe Data Heatmap

ROUTE												
Westview Pkwy NB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		04:19	04:05	03:47	03:26	03:44	04:09	03:32	03:46	03:31	03:44	03:52
5:20 AM		04:16	04:09	03:48	03:24	03:50	04:07	03:35	03:39	03:31	03:45	03:48
5:30 AM		04:03	03:49	03:47	03:29	03:52	03:47	03:39	03:30	03:23	03:52	03:36
5:40 AM		04:04	03:44	03:56	03:49	03:57	03:44	03:45	03:28	03:34	03:59	03:35
5:50 AM		03:56	03:44	03:39	03:51	03:54	03:42	03:45	03:27	03:34	03:59	03:28
6:00 AM		04:05	03:51	03:48	03:58	03:52	04:05	03:56	03:41	03:43	04:03	03:49
6:10 AM		04:11	04:01	03:50	04:25	03:58	03:56	04:07	03:47	03:48	04:14	03:46
6:20 AM		04:11	04:03	03:55	04:48	03:59	04:19	03:56	03:49	03:50	04:09	03:57
6:30 AM		04:12	04:06	04:14	04:32	04:03	03:54	04:08	04:00	03:59	04:18	04:10
6:40 AM		04:18	04:05	04:28	04:46	04:25	04:10	04:10	04:34	04:12	04:15	04:03
6:50 AM		04:46	04:04	04:10	04:47	04:14	04:01	04:14	04:13	04:37	04:19	04:21
7:00 AM		04:22	04:22	04:24	04:40	04:22	04:06	05:08	04:10	04:59	04:34	05:00
7:10 AM		04:23	04:18	04:37	04:44	04:16	04:16	04:24	04:42	04:40	04:21	04:46
7:20 AM		05:14	04:54	05:14	04:48	04:29	05:12	05:05	04:10	05:10	04:40	05:45
7:30 AM		05:00	04:33		04:36	05:06	05:06	04:45	05:02	04:19	04:44	05:01
7:40 AM		05:02	04:38	05:09	04:30	05:24	05:51	05:29	04:45	04:30	04:38	05:16
7:50 AM		06:00	04:34	04:56	04:33	04:38	05:06	04:32	04:42	04:49	04:44	05:25
8:00 AM		05:16	04:24	04:39	04:56	05:54	04:42	04:50	04:21	04:19	04:49	06:01
8:10 AM		04:17	04:23	04:17	04:33	04:49	04:25	04:29	04:21	05:15	04:44	05:16
8:20 AM		04:23	05:35	04:11	04:20	04:30	05:24	04:21	04:18	05:16	04:27	05:06
8:30 AM		05:39	04:49	04:14	04:31	04:23	04:54		04:41	05:02	04:26	04:41
8:40 AM		05:05	05:22	04:45	04:44	04:25	04:36	04:43	04:31	04:30	04:21	05:18
8:50 AM		06:11	05:04	04:10	04:51	04:59	04:39	04:54	04:34	05:26	04:24	04:45
9:00 AM		06:42	04:07		04:28	04:34	04:29	05:02	04:07	05:13	04:33	04:27
9:10 AM		05:11	04:53	04:08	04:48	04:55	05:30	04:32	04:16	04:45	04:24	04:37
9:20 AM		04:15	04:45	04:03	05:14	04:37	05:23	04:27	04:17	04:53	04:20	04:29
9:30 AM		04:09	04:32	04:05	04:45	04:31	05:03	04:06	04:26	04:25	04:36	04:49
9:40 AM		04:08	04:10	04:36	05:02	04:20	05:41	04:15	04:19	04:32	04:54	04:35
9:50 AM		04:11	04:30	04:23	04:53	04:19	05:23	04:42	04:17	04:34	05:22	04:45
10:00 AM		04:06	04:19	04:39	04:40	04:09	04:38	05:15	04:39	04:29		04:46
10:10 AM		04:36	04:25	04:32	04:48	04:21	04:51	04:27	05:06	04:21	05:50	04:32
10:20 AM		04:41	04:41	04:40	04:45	04:17	04:59	04:24	04:46	04:56	05:10	04:30
10:21 AM								04:28				
10:30 AM		04:45	04:32	04:57	04:32	04:14	04:51	04:52	04:43	04:44	05:10	04:26
10:40 AM		05:03	04:14	04:38	04:42	04:33	04:39	04:36	04:46	05:06	04:35	04:26
10:50 AM		05:05	04:31	04:54	04:35	04:27	04:39	04:48	04:28	04:42	04:54	04:51
11:00 AM		05:01	04:21	05:32	05:38	04:22	04:21	05:01	04:32	04:30	04:42	04:49
11:10 AM		05:16	04:21	05:14	05:26	05:42	04:45	04:53		04:31	04:21	05:07
11:20 AM		04:52	04:25	05:01	05:01	05:15	05:16	04:33	04:39	04:25	04:22	04:55



ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		04:29	04:27	04:48	05:07	04:59	05:05	04:29	04:32	04:08	04:59	04:44
11:40 AM		04:28	04:21	05:16	05:03	04:44	05:09	04:22	04:25	04:44	05:06	04:21
11:50 AM		04:19	04:33	05:45	04:26	04:33	04:34	04:21	04:48	05:08	04:44	04:50
12:00 PM		04:20	04:25	04:31	04:20	04:51		04:31	04:51	05:22	04:58	04:31
12:10 PM		04:15	04:47	04:26	04:37	04:46	05:01	04:53	04:49	04:44	05:00	05:18
12:20 PM		04:16	05:01	04:32	04:45	04:44	04:32	04:49	06:00	05:02	05:26	06:38
12:30 PM		04:51	04:18	04:29	04:42	04:45	04:54	04:53	04:47	05:01	05:10	05:52
12:40 PM		04:51	04:31	05:18	05:07	04:41	05:06	05:14	04:37	05:26	04:42	04:56
12:50 PM		05:00	04:43	05:28	04:59	05:32	04:29	04:47	05:27	05:23	04:55	04:14
1:00 PM		05:09	05:01	06:19	05:01	05:06	04:22	04:51	05:26	05:32	04:27	04:42
1:10 PM	05:41	04:56	05:21	05:42	05:27	05:06	04:32	05:18	04:54	05:15	04:18	05:06
1:20 PM	05:14	05:31	05:31	05:15	06:00	04:31	04:36	05:29	04:57	04:49		05:04
1:30 PM	05:15	05:14	05:12	05:22	04:37	04:36	05:12	05:01	04:46	05:32	04:36	04:58
1:40 PM	05:56	04:54	04:58	04:47	05:32	04:37	05:13	04:57	04:44	04:52	04:36	05:24
1:50 PM	04:58	04:43	05:10	04:43	04:56	04:31	05:33	04:55	04:45	04:25	04:39	05:22
2:00 PM	04:23	04:35	05:17	05:03	05:03	04:40	05:12	04:47	04:45	05:32		05:11
2:10 PM	04:40	04:20	04:53	04:50	04:57	05:15	04:58	05:11	04:40	05:42	05:04	04:44
2:20 PM	04:18	04:29	05:12	04:39	04:55	05:29	05:01	05:01	04:47	05:04	04:49	06:38
2:30 PM	04:28	04:46	05:30	04:40	05:09	05:25	04:49	04:33	05:54	06:08	04:52	05:59
2:40 PM	04:46	04:47	05:03	04:17	05:05	05:51	05:01	04:32	05:10	05:07	05:13	05:37
2:50 PM	04:43	04:30	05:35	04:17	06:26	04:53	04:41	04:33	05:33	06:33	04:50	05:16
3:00 PM	04:37	04:39	05:28	04:33		04:46	04:32		05:36	05:26	05:26	05:14
3:10 PM	04:29	04:44	04:31	04:35	05:13	04:37	04:27	04:35	04:52	05:15	04:31	04:50
3:20 PM	04:48	04:46	04:22	04:43	05:01	04:55	04:55	04:51	05:08	05:08	04:20	05:27
3:30 PM	06:14	04:33	04:45	04:19	05:17	04:45	05:11	04:22	04:43	06:40	04:31	04:33
3:40 PM	06:31	04:34	04:29	04:30	05:01	04:43	04:37	04:18	04:42	05:53	04:47	04:26
3:50 PM	06:16	04:39	04:44	04:25	04:50	04:31	05:13	04:54	04:55	04:30	04:54	04:53
4:00 PM	04:50	05:07	04:53	04:25	04:37	04:28	04:32	04:50	05:07	05:36	04:39	05:07
4:10 PM	05:01	05:06	05:03	04:38	04:25	04:35	04:47	05:05	04:52	04:56	04:39	05:08
4:20 PM	04:51	04:36	04:21	04:34	04:26	04:40	04:51	05:30	05:07	05:43	04:23	04:33
4:30 PM	04:54	04:44	04:34	04:29	04:42	04:52	04:46	04:46	05:49	05:15	04:42	05:12
4:40 PM	05:03	05:07	04:37	04:48	04:32	04:33	04:46	04:45	04:47	04:49	05:14	05:21
4:41 PM												
4:50 PM	04:52	05:31	04:50	04:49	04:24	04:47	05:33	05:01	05:07	04:49	04:42	05:58
5:00 PM	04:30	04:42	04:22	05:25	04:33	04:57	04:57	05:18	05:17	05:02	04:56	05:00
5:10 PM	04:51	04:52	04:49	05:53	04:45	05:48	04:53	05:05	05:05	04:49	04:32	04:55
5:20 PM	04:55	05:53	05:15	05:28	05:55	05:27	05:27	05:41	05:56	04:50	05:48	05:17
5:30 PM	04:59	05:45	05:26	05:22	04:46	04:48	05:17	04:44	05:38	04:43	05:50	04:53
5:40 PM	05:51	05:45	05:26	05:36	05:32	06:13	04:51	05:01	05:36	06:26	05:44	05:43
5:50 PM	05:20	05:28	04:36	05:08	05:34	05:55	04:47	04:55	06:39	04:51	05:43	04:54
6:00 PM	05:21	05:06	04:49	05:19	05:02	05:33	04:56	04:55	05:39	05:24	05:22	05:47
6:10 PM	05:08	04:54	04:55	06:02	05:47	05:18	05:02	04:55	05:06	05:20	05:20	05:05

ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	05:18	05:07	04:55	05:15	05:22	05:11	06:21	04:49	04:59	05:26	04:44	05:04
6:30 PM	06:07	05:03	05:29	04:42	05:14	05:27	06:45	05:38	04:52	04:56	05:37	04:43
6:40 PM	04:58	05:20	06:03	04:31	05:35	05:26	05:38	05:47	04:53	05:11	04:57	04:54
6:50 PM	04:38	05:19	04:49	05:38	06:13	05:00	05:14	05:37	04:55	06:01	05:35	05:58
7:00 PM	06:04	05:15	04:36	05:13	04:49	05:21	05:27	04:43	05:52	05:38	05:46	05:25
7:10 PM	05:21	05:12	04:48	04:58	04:59	05:37	05:19	04:48	05:10	05:04	04:52	05:07
7:20 PM	06:00	04:47	05:30	04:36	04:46	04:55	05:09	04:53	04:48	05:03	04:38	05:16
7:30 PM	05:24	05:04	05:10	04:54	04:48	04:44	05:01	04:56	05:20	04:42	05:05	05:05
7:40 PM	04:48	04:51	05:17	05:18	04:38	04:55	04:50	04:35	04:47	04:39	05:09	04:51
7:50 PM	04:29	04:45	05:22	05:08	04:55	04:24	05:00	04:58	04:42	05:15	04:42	05:10
8:00 PM	04:30	04:23	04:26	04:42	04:51	04:18	04:49	04:40	04:35	04:50	04:44	04:38
8:10 PM	04:30	04:32	04:23	04:27	04:42	04:22	04:30	04:17	04:21	04:37	04:18	05:03
8:20 PM	04:22	04:52	04:14	04:46	04:53	04:36	04:48	04:28	04:35	04:51	05:01	04:32
8:30 PM	04:28	05:12	04:21	04:44	04:39	04:27	04:43	05:17	04:29	06:06	05:04	04:32
8:40 PM	04:14	04:47	04:25	04:16	04:29	05:05	04:40	05:45	04:16	05:27	04:46	05:01
8:50 PM	04:20	04:23	04:36	04:14	04:31	04:57	04:25	04:52	04:22	04:21	04:16	04:39

	Traction Probe Data Heatmap											
ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	03:49	03:47	03:24	03:45	03:50	03:41	03:50	03:24	03:42	04:03	03:31	03:43
5:20 AM	04:13	03:49	03:27	03:52	03:51	03:45	03:52	03:24	03:45	04:05	03:30	03:42
5:30 AM	04:24	03:37	03:30	03:57	03:42	03:46	03:41	03:30	03:48	03:54	03:40	03:40
5:40 AM	04:36	03:39	03:41	04:15	03:41	03:55	03:37	03:35	04:04	03:45	03:37	03:40
5:50 AM	04:06	03:35	03:46	04:17	03:43	03:54	03:36	03:36	04:06	03:46	03:38	03:44
6:00 AM	04:16	03:49	03:57	04:03	04:00	04:05	03:48	03:49	04:02	03:56	03:47	03:44
6:10 AM	04:18	03:45	04:12	04:15	04:05	04:02	03:48	04:10	04:06	04:09	03:55	03:51
6:20 AM	04:04	03:40	04:12	04:11	04:06	04:04	03:49	04:09	04:07	04:10	03:49	04:38
6:30 AM		03:49	04:18	04:05	04:12	04:02	04:19	04:30	04:04	04:05	03:55	04:36
6:40 AM	03:59	04:05	04:25	04:20	04:24	04:09	04:18	04:27	03:57	04:39	03:58	04:38
6:50 AM	05:26	05:06	04:40	04:43	04:05	04:49	04:20	04:24	04:03	04:06	04:13	04:25
7:00 AM	04:09	04:47	04:12	04:08	04:12		04:29	04:26	04:10	04:26	04:09	05:12
7:10 AM	04:15	04:39	04:10	04:14	04:37	04:20	04:24	05:04	04:16	04:31	04:27	05:23
7:20 AM	04:38	04:49	04:38	04:23	04:28	04:17	04:28	05:31	04:28	04:28	04:34	04:24
7:30 AM	04:44	04:36		04:30	04:25	04:17	04:36	04:17	04:13	04:26	04:37	04:46
7:40 AM	04:25	04:51	04:58	04:33	05:30	05:44	04:41	04:30	04:16	04:30	05:06	04:50
7:50 AM	05:35	05:18	05:01	05:22	05:18	05:24	04:56	04:47	04:10	04:27	04:57	04:31
8:00 AM	04:57	05:06	04:46	05:28	05:33	04:34	04:58	05:08	03:55	04:40	04:51	04:30
8:10 AM	05:23	05:45	05:30	04:14	04:44	04:26	04:21	04:29	04:50	04:26	04:27	04:16
8:20 AM	05:00	05:10	04:27	05:34	04:44	04:38	04:40	04:05	04:19	04:23	04:30	05:03
8:30 AM	04:58	04:07	04:27	04:39	04:22	04:19		04:04	04:48	04:20	04:10	04:15
8:40 AM	04:20		04:19	04:32	04:49	04:28	04:20	04:00	04:36	04:38	04:18	05:02
8:50 AM	04:50	04:04	04:31	04:28	05:13	04:53	05:56	04:06	04:37	04:21	04:23	04:34
9:00 AM	04:47	04:27	04:59	04:47	04:43	04:47	04:41	04:03	04:47	04:23	04:22	04:38
9:10 AM	05:07	04:47	05:06	04:15	04:53	04:40	04:44	04:07	04:48	04:20	05:04	04:28
9:20 AM	04:22	05:07	04:16	04:16	04:24	04:42	04:44	04:31	04:30	04:32	04:15	05:27
9:30 AM	04:47	04:22	04:21	04:23	05:20	04:52	04:28	04:28	04:30	04:46	04:21	04:28
9:40 AM	05:02	04:22	05:09	04:23	04:20	04:10	04:26	04:44	04:30	04:26	04:24	05:14
9:50 AM	04:38	04:46	04:55	05:09	04:28	04:10	04:22	04:48	05:22	04:30	04:42	05:23
10:00 AM	06:09	05:13	04:21	05:00	04:16	03:57	04:23	05:00	04:58	04:07	04:07	05:10
10:10 AM	04:38	04:50	04:56	04:54	04:22	04:25	04:19	04:38	04:55	04:10	04:08	04:42
10:20 AM	04:30	04:31	04:18	04:31	04:36	04:26	04:13	04:18	04:43	04:02	04:15	04:38
10:21 AM							04:19	04:17	04:13	04:12	04:07	04:26
10:30 AM	04:31	04:56	04:33	04:03	04:31	05:10	04:32	04:44	04:28	04:19	04:16	04:41
10:40 AM	04:57	05:11	04:47	04:24	04:23	05:06	04:34	04:33	05:07	04:28	04:17	04:45
10:50 AM	04:40	04:22	04:36	04:35	04:29	04:06	05:27	04:46	05:26	05:11	04:29	04:45
11:00 AM	04:14	04:41	04:34	04:42		04:15	05:09	04:26	05:05	05:05	04:22	04:38
11:10 AM	04:20	05:14	04:46	04:41	04:31	04:19	05:04	04:44	04:54	04:35	04:17	04:37
11:20 AM	04:58	04:44	04:42	05:30	04:39	04:25	05:34	04:17	05:51	04:56	04:33	04:25



ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	05:17	04:52	04:45	05:07	04:21	04:22	05:18	04:48	04:45	05:03	05:02	04:26
11:40 AM	04:42	04:44	05:21	04:48	04:34	04:31	04:29	04:39	05:21	05:20	04:40	04:44
11:50 AM	04:21	04:51	04:45	04:52	04:36	04:54	04:44	04:23	04:53	05:29	04:18	
12:00 PM	04:31		04:53	05:02	04:35		04:51	05:49	05:02	05:13	04:23	05:09
12:10 PM	05:09	05:16	05:33	04:51	04:42	04:19	05:01	05:05	05:03	05:06	05:02	04:49
12:20 PM	04:55	05:03	04:26	04:21	05:26	04:23	05:09	04:48	05:06	04:45	04:35	05:17
12:30 PM	05:15		04:39	04:26	04:59	04:33	04:52	04:49	05:38	04:19	04:38	05:10
12:40 PM	04:56	04:42	04:50	04:29	05:10	04:46	04:56	04:46	04:40	04:44	04:51	04:48
12:50 PM	05:12	05:24	04:57	04:18	04:32	05:10	05:05	04:51	04:37	06:28	04:35	04:47
1:00 PM	04:55	05:00	04:42		05:00	05:15	04:43	05:20	05:20	04:53	04:46	04:35
1:10 PM	05:31	04:43	04:48	05:15	05:13	04:24	04:27	05:05	04:30	05:16	04:58	04:33
1:20 PM	06:14	04:34	05:15	05:01	05:02	04:46	04:20	04:34	05:17	05:32	04:53	04:42
1:30 PM	05:18	04:41	05:20	05:11	05:16	04:44	04:30	04:40	04:45	04:25	04:59	04:43
1:40 PM	05:06	04:39	05:19	04:28	05:13	04:53	04:33	04:36	04:30	04:37	04:49	04:28
1:50 PM	04:52	04:51	05:08	04:24	05:22	04:43	04:23	05:12	05:22	04:39	05:03	04:34
2:00 PM	05:26	04:49	04:40	04:42	04:40	04:49	04:45	04:49	04:59	05:01	05:00	04:29
2:10 PM	05:04	04:47	05:49	04:49	05:06	04:36	04:44	05:18	05:00	04:55	05:13	04:26
2:20 PM	04:39	04:47	05:55	04:54	05:07	05:36	04:28	05:39	05:04	04:44	05:21	04:34
2:30 PM	04:55	04:45	05:30	04:56	05:21	04:46	04:19	04:58	04:57	04:58	05:02	04:25
2:40 PM	04:51	04:40	05:27	04:46	05:20	04:38	04:25	04:59	05:26	04:33	04:59	04:14
2:50 PM	04:35	04:17	05:23	04:50	05:12	05:16	04:50	04:34	05:03	04:25	04:45	04:28
3:00 PM	05:26		04:44		04:23	05:16	04:20	04:29	05:47	05:22	05:17	04:39
3:10 PM	04:36	04:42	04:30	06:01	04:22	04:54	05:05	04:32	04:37	04:31	05:14	04:35
3:20 PM	04:55	04:49	04:59	05:42	04:22	04:34	04:23	04:25	05:08	04:11	05:01	04:12
3:30 PM	05:00	04:34	04:34	05:38	04:18	04:20	04:26	04:27	05:11	04:24	04:38	05:17
3:40 PM	05:03	04:26	04:40	04:49	05:01	04:48	04:45	04:41	06:26	04:30	04:59	04:42
3:50 PM	04:26	04:23	05:04	04:50	05:27	04:50	04:34	04:33	04:20	05:05	04:48	05:12
4:00 PM	05:20	05:13	05:17	05:32	05:06	04:29	04:56	04:52	04:31	04:29	04:54	05:34
4:10 PM	04:46	05:05	05:30	04:31	05:35	04:35	05:26	05:10	05:34	04:50	04:56	05:29
4:20 PM	04:31	05:09	05:40	05:05	05:21	04:41	04:26	04:43	05:29	05:08	05:15	05:51
4:30 PM	04:44	04:57	05:46	05:16	05:27	04:44	04:38	04:47	05:04	04:50	06:47	05:33
4:40 PM	04:38	04:44	04:46	04:56	05:05	04:44	05:52	04:48	05:05	04:50	05:12	05:28
4:41 PM	04:41						05:20	05:23	05:03	04:27	04:58	04:48
4:50 PM	05:46	04:53	04:26	04:39	04:48	04:44	05:02	05:21	05:07	04:35	04:36	04:52
5:00 PM	05:05	05:27	04:38	04:28	05:20	04:50	04:51	04:52	04:43	05:00	04:45	05:41
5:10 PM	04:41	05:26	04:53	05:11	04:34	05:04	04:49	04:47	04:50	05:14	04:48	05:43
5:20 PM	04:45	05:48	05:28	05:07	04:46	05:38	04:40	05:38	04:59	05:01	05:05	04:52
5:30 PM	04:58	04:45	05:20	05:11	05:31	05:40	04:40	05:13	04:55	05:17	05:04	04:49
5:40 PM	04:46	05:29	05:20	04:49	05:50	05:28	05:00	05:15	04:44	05:24	05:42	04:58
5:50 PM	04:37	05:11	04:45	04:58	04:46	05:19	05:01	05:36	04:37	05:13	05:25	05:30
6:00 PM	04:54	05:02	04:34	05:10	05:25	04:46	04:55	07:33	04:43	05:18	04:38	05:20
6:10 PM	05:18	06:22	05:18	04:49	05:05	04:54	04:49	06:43	04:53	06:01	05:22	05:01

ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	05:10	06:00	06:27	05:56	05:16	05:03	05:24	06:06	05:01	05:47	05:04	05:27
6:30 PM	05:04	05:41	05:36	05:30	05:03	04:57	05:14	05:09	04:39	06:01	04:49	05:24
6:40 PM	05:45	05:50	04:58	05:57	05:15	05:16	04:54	05:41	05:20	04:40	05:20	04:53
6:50 PM	04:49	05:38	05:28	06:01	05:44	05:07	04:37	04:48	05:24	05:09	05:45	05:38
7:00 PM	04:36	04:55	05:11	04:24	04:49	05:01	04:34	05:01	04:42	04:52	05:14	05:35
7:10 PM	05:13	04:49	05:29	04:39	05:45	05:45	04:41	05:12	05:52	04:43	05:38	05:17
7:20 PM	04:52	04:48	05:45	05:29	05:30	06:17	04:49	04:54	05:23	04:41	05:50	04:40
7:30 PM	05:20	05:37	04:52	05:14	04:46	05:45	04:22	04:21	04:26	05:17	05:23	04:30
7:40 PM	04:47	05:12	04:41	04:51	04:41	04:43	04:16	04:25	04:19	04:37	04:47	04:18
7:50 PM	04:42	04:17	05:43	05:10	04:48	04:56	04:37	04:27	04:14	04:30	04:58	04:18
8:00 PM	04:43	05:04	05:08	04:47	04:50	04:49	04:56	05:07	04:16	04:25	04:19	04:21
8:10 PM	04:36	04:50	05:06	04:14	05:04	04:53	04:58	04:48	04:16	04:28	04:20	04:42
8:20 PM	04:28	04:44	04:55	04:03	04:47	04:52	04:56	04:27	04:05	04:24	04:36	04:38
8:30 PM	04:18	04:49	04:51	04:02	04:49	04:46	04:27	05:07	04:02	04:09	04:33	04:18
8:40 PM	04:03	04:31	04:37	03:56	05:01	04:34						
8:50 PM	04:17	04:35	04:21	03:59	04:52	04:21						

Traction Probe Data Heatmap

ROUTE												
Westview Pkwy SB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		04:33	04:51	04:35	04:41	04:15	04:38	04:59	04:18	04:37	04:26	04:38
5:20 AM		04:28	05:02	04:37	04:46	04:16	04:32	04:38	04:23	04:44	04:20	04:28
5:30 AM		04:30	05:05	05:08	04:43	04:25	04:27	05:06	05:01	04:48	04:33	04:35
5:40 AM		04:51	04:51	05:08	04:56	04:32	04:38	05:05	05:12	05:08	04:32	04:46
5:50 AM		04:59	05:04	05:23	04:45	04:33	04:36	04:59	05:31	04:49	04:39	04:57
6:00 AM		04:44	05:18	05:06	04:53	04:41		05:06	05:12	04:46	04:39	04:59
6:10 AM		04:51	05:04	05:13	04:58	04:47	04:55	05:14	04:58	05:00	04:46	05:14
6:20 AM		05:04	04:55	05:09	05:02	04:55	04:56	05:06	05:07	05:04	04:56	05:00
6:30 AM		05:01	04:55	05:23	05:03	04:53	05:01	04:56	05:01	05:22	04:55	05:14
6:40 AM		04:58	05:09	05:28	05:01	05:03	05:02	05:10	05:04	05:19	05:24	05:18
6:50 AM		05:06	05:37	05:49	05:20	05:28	05:31	05:13	05:13	05:34	05:22	05:23
7:00 AM		05:41	05:40	05:42	05:15	05:15	05:28	05:37	05:29	05:33	05:25	05:22
7:10 AM		05:42	05:36	05:36	06:11	05:23	06:08	06:10	05:37	06:22	05:50	05:16
7:20 AM		06:29	05:59	06:08	06:01	05:11	05:56	06:18	05:54	05:57	06:05	06:14
7:30 AM		05:57	05:49		05:49	05:27		05:45	06:13	05:50	05:49	05:54
7:40 AM		05:53	05:55	06:28	06:06	06:22	07:34	06:24	06:06	07:39	06:45	07:19
7:50 AM		05:47	05:39	06:09	06:30	06:07	05:41	06:55	05:51	06:45	06:15	06:08
8:00 AM		05:42	05:38	05:49	05:54	05:43	05:24	07:15	05:45	06:16	06:13	05:53
8:10 AM		05:38	05:07	05:16	06:08	05:14	05:07	05:33	05:19	05:33	05:41	05:01
8:20 AM		05:14	05:00	05:10	05:01	04:59	04:55	05:13	05:09	05:20	04:56	05:25
8:30 AM		05:01	05:16	05:15	05:13	05:53	05:04	05:06	05:05	06:14	05:50	
8:40 AM		05:19	05:04	05:15	05:00	05:43	05:30	05:48	05:49	05:54	05:32	05:16
8:50 AM		05:01	05:23	05:11	05:06	05:21	05:44	05:38	05:54	05:15	05:48	05:17
9:00 AM		05:05	05:07		05:16	05:06	05:48	05:41	05:19	05:20	05:14	05:29
9:10 AM		05:21	05:23	05:19	04:34	05:19	05:34	05:34	05:11	05:04	05:21	05:55
9:20 AM		04:54	05:29	05:28	04:46	05:14	05:51	05:13	05:16	05:08	05:05	05:03
9:30 AM		05:01	05:24	05:16	05:16	06:31	05:51	04:59	05:06	04:49	05:14	05:06
9:40 AM		05:07	05:19	05:09	05:19	06:10	05:12	05:01	05:06	04:47	05:19	05:08
9:50 AM		04:54	05:25	05:16	05:27	05:38	05:36	05:06	05:21	04:57	05:28	06:09
10:00 AM		05:10	05:11	05:20	05:22	05:38	05:15	05:05	05:11	05:27		06:23
10:10 AM		05:11	05:02	05:05	05:28	05:17	05:06	05:32	05:05	05:13	05:16	06:17
10:20 AM		05:14	04:53	04:58	05:54	05:14	05:21	05:17	05:22	05:24	05:06	06:15
10:21 AM								05:17				
10:30 AM		05:01	05:08	05:22	05:15	05:22	05:12	05:14	05:25	05:29		05:38
10:40 AM		05:03	05:14	05:27	05:33	05:13	05:09	05:16	05:23	05:27	05:20	05:24
10:50 AM		05:08	05:28	05:52	05:34	05:14	05:35	05:39	05:13	05:25	05:10	05:38
11:00 AM		05:10	06:01	05:38	05:34	05:01	05:44	05:35	05:16	05:16	05:24	05:44
11:10 AM		05:21	05:48	05:27	05:17	05:20	05:22	05:43		04:54	05:22	05:34
11:20 AM		05:24	05:36	05:28	06:14	05:33	05:26	05:40	05:23	05:05	05:28	05:34

ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		05:21	05:22	05:42	06:20	05:32	05:34	05:09	05:25	05:14	06:15	05:26
11:40 AM		05:31	05:12	05:45	06:12	05:13	05:29	05:08	05:38	05:35	05:23	06:44
11:50 AM		05:44	05:37	05:40	06:06	05:11	05:32	05:24	05:40	06:15	05:29	06:38
12:00 PM		05:28	05:32	05:36	05:20	05:31		04:59	06:09	05:54	04:59	05:47
12:10 PM		05:12	05:34	05:52	05:23	05:17	05:18	05:26	06:26	05:47	05:54	05:43
12:20 PM		05:49	05:34	05:39	05:23	05:30	05:11	05:23	05:49	05:47	05:43	05:40
12:30 PM		05:39	05:24	06:02	05:17	05:17	05:26	05:30	05:37	05:51	05:47	05:43
12:40 PM		05:20	05:28	06:00	05:28	05:16	05:23	05:10	05:37	05:23	05:16	05:27
12:50 PM		05:20	05:29	05:44	05:25	05:24	05:27	05:10	05:40	06:07	05:16	05:12
1:00 PM	05:19	05:50	06:02	05:41	05:37	04:49	05:27	05:26	05:10	05:09	05:21	
1:10 PM	05:13	05:22	05:49	05:40	05:19	05:38	05:13	05:29	05:20	05:28	05:13	05:19
1:20 PM	05:13	05:39	05:19	05:34	05:06	05:15	05:40	05:21	05:45	05:17		05:38
1:30 PM	05:03	05:42	05:30	05:39	05:19	05:06		05:53	05:47	05:21	05:33	05:38
1:40 PM	05:40	05:30	05:40	05:22	05:33	05:52	05:31	05:30	05:48	05:32	05:23	05:27
1:50 PM	05:24	06:01	05:36	05:34	05:48	05:16	05:37	05:25	05:29	05:38	06:10	05:21
2:00 PM	05:22	05:32	05:27	05:37	05:55	05:52	05:31	05:34	05:42	05:36	05:53	05:30
2:10 PM	05:24	05:28	05:53	05:40	06:06	05:44	05:41	05:43	05:43	05:52	05:20	05:40
2:20 PM	05:45	06:03	05:40	04:55	05:58	06:12	05:40	05:27	05:41	06:08	05:32	05:56
2:30 PM	05:41	05:13	05:40	05:15	05:59	05:44	05:47	05:32	05:54			
2:40 PM	05:25	05:07	05:56	05:08	05:48	05:57	05:32	05:38	05:50	05:41	05:39	05:42
2:50 PM	05:33	05:30	05:24	05:42	05:31	05:53	05:18	05:25	05:55	05:41	05:34	05:46
3:00 PM	05:24	05:38	05:40	05:58	05:09	05:16	05:34	06:01	05:47	05:55	05:36	05:51
3:10 PM	05:25	05:39	05:25	05:57	05:24	05:19	05:53	05:58	05:51	06:17	05:40	05:24
3:20 PM	05:17	05:34	05:49	05:31	05:40	05:19	05:53	05:27	06:23	06:00	05:32	05:37
3:30 PM	04:58	05:59	05:35	05:49	05:38	05:21	05:30	05:41	06:06	06:01	05:44	05:36
3:40 PM	05:12	05:59	05:33	05:29	05:39	05:32	05:39	05:31	05:52	05:37	05:17	05:39
3:50 PM	05:32	05:17	05:37	05:24	05:28	05:03	05:28	05:12	07:07	05:33	05:10	05:42
4:00 PM	05:17	05:36	05:19	05:40	05:34	05:22	05:30	05:08	07:26	05:19	05:00	05:13
4:10 PM	05:10	06:12	05:08	05:31	05:40	05:04	05:30	05:27	06:30	06:02	05:10	05:22
4:20 PM	05:11	06:09	05:24	05:44	05:53	05:40	05:46	05:25	06:17	05:27	05:26	05:27
4:30 PM	05:28	05:49	05:40	05:59	05:41	05:27	06:05	05:51	05:43	05:15	05:28	05:38
4:40 PM	05:19	05:46	05:28	05:36	05:58	05:36	06:15	05:14	05:31	05:25	05:22	05:33
4:41 PM												
4:50 PM	05:06	06:29	05:46	05:08	05:43	05:47	06:12	05:27	05:42	06:07	05:50	05:28
5:00 PM	05:09	05:54	05:26	05:24	05:49	05:56	06:19	06:01	05:55	05:48	06:42	05:56
5:10 PM	05:22	06:01	05:55	05:37	05:45	05:50	05:50	06:17	06:15	05:36	05:52	05:49
5:20 PM	05:46	05:56	05:40	05:59	06:11	06:12	05:44	07:42	05:56	05:45	05:55	06:08
5:30 PM	05:46	06:06	05:24	06:19	06:26	05:38	06:22	06:19	06:01	05:29	06:10	06:24
5:40 PM	05:38		05:46	06:21	06:27	06:44	05:36	05:59	05:53	06:23	05:47	06:06
5:50 PM	05:56	05:48	06:06	06:08	06:24	06:24	05:44	05:41	07:48	05:51	06:00	07:00
6:00 PM	05:40	05:54	05:39	06:02	06:53	05:57	05:27	06:04	06:28	05:54	06:16	06:14
6:10 PM	05:29	06:28	05:53	05:43	06:37	05:56	05:41	05:44	05:47	06:13	06:02	05:53

ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	05:49	05:46	05:58	05:35	06:43	05:45	05:55	05:46	06:07	06:03	05:45	05:42
6:30 PM	05:17	05:27	05:43	05:47	07:37	05:34	06:02	05:52	05:46	05:45	06:03	05:45
6:40 PM	05:36	05:54	05:50	05:46	06:52	05:45	06:10	05:56	05:42	06:07	05:21	05:35
6:50 PM	05:19	05:26	05:46	05:43	06:02	05:40	06:16	05:47	06:17	06:07	05:22	05:41
7:00 PM	05:15	05:41	06:10	05:56	05:34	05:25	05:35	06:33	05:59	05:31	05:23	05:23
7:10 PM	05:10	05:18	05:50	05:28	06:06	05:22	05:32	06:19	06:36	05:36	05:19	05:19
7:20 PM	05:27	05:28	05:42	05:06	05:52	05:13	05:40	06:14	06:37	06:04	05:13	05:04
7:30 PM	05:21	05:27	05:28	05:34	05:43	05:13	04:57	06:44	06:11	05:50	05:13	05:13
7:40 PM	05:39	05:20	05:18	05:17	05:37	05:15	04:56	06:51	06:02	05:39	05:17	05:02
7:50 PM	05:31	05:22	05:17	05:09	05:37	05:29	05:18	06:16	05:51	05:24	05:27	05:14
8:00 PM	05:41	05:32	05:20	05:23	05:22	05:26	05:09	05:50	05:16	05:28	05:14	05:10
8:10 PM	05:34	05:37	05:02	05:20	05:09	05:28	05:11	05:57	05:10	05:43	04:53	05:14
8:20 PM	05:39	05:22	06:15	05:15	05:20	05:14	05:15	06:01	05:22	05:42	04:56	04:54
8:30 PM	05:34	05:02	05:52	05:01	06:18	05:07	05:19	05:30	05:09	05:48	04:59	04:56
8:40 PM	05:26	04:54	05:44	04:58	06:19	05:18	05:14	05:29	05:35	05:55	05:03	04:57
8:50 PM	05:01	05:12	05:38	05:10	05:57	05:07	05:16	05:19	05:29	05:30	05:10	05:10



Traction Probe Data Heatmap												
ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	05:14	04:19	04:41	04:10	04:37	04:31	04:16	04:26	04:41	05:22	04:35	04:23
5:20 AM	04:52	04:26	04:37	04:14	04:44	04:54	04:24	04:55	04:30	04:56	04:55	04:32
5:30 AM	04:59	04:53	04:38	04:24	04:36	04:46	05:10	04:46	04:38	04:49	05:04	05:08
5:40 AM	04:53	05:00	05:01	04:27	04:50	04:41	05:14	04:55	04:30	04:53	04:44	05:17
5:50 AM	04:54	05:12	04:43	04:26	04:57	04:33	05:24	04:55	04:43	04:48	04:40	05:23
6:00 AM		04:48	04:49	04:22	04:49	04:45	05:08	04:51	04:47	04:35	04:44	05:01
6:10 AM	04:52	04:51	05:02	04:32	05:09	04:46	05:11	04:53	05:00	04:40	04:41	04:59
6:20 AM	04:58	04:43	04:51	04:47	04:45	05:01	05:09	04:55	05:10	04:31	05:02	05:04
6:30 AM		05:04	04:59	04:41	05:00	05:00	05:11	04:57	05:06	04:45	04:42	04:56
6:40 AM	05:08	05:13	04:53	05:00	05:01	05:02	05:23	05:06	05:12	04:53	05:04	04:53
6:50 AM	05:14	05:09	05:06	05:17	05:01	05:01	05:15	05:14	04:40	05:07	05:16	05:18
7:00 AM	05:15	05:18	05:17	05:24	05:31	05:13	04:59	05:10	05:13	05:17	05:01	05:05
7:10 AM	05:37	05:11	05:24	05:38	06:13	05:46	05:42	05:32	05:11	05:51	05:47	05:09
7:20 AM	05:50	05:47	05:29	05:30	06:03	06:08	05:49	05:43	04:56	05:52	05:49	05:40
7:30 AM	05:45	05:41	06:04	05:40	05:49		05:50	05:20	05:03	05:52	05:58	05:37
7:40 AM	06:07	07:12	06:18	05:48	06:19	06:09	06:19	05:43	04:52	06:35	05:47	05:55
7:50 AM	06:41	06:09	05:54	05:50	06:22	06:16	05:59	05:30	05:01	05:59	06:33	05:54
8:00 AM	05:37	06:48	05:20	05:44	06:16	06:16		05:01	05:02	06:13	05:50	05:49
8:10 AM	05:04	05:38	06:06	05:17	04:58	05:18	05:23	05:09	04:51	05:30	05:17	05:30
8:20 AM	05:28	05:13	06:10	05:14	05:50	05:19	05:13	05:16	05:12	05:20	05:42	05:14
8:30 AM	05:16	05:19	05:42	05:42	05:21	05:29		05:19	05:04	05:32	05:17	05:17
8:40 AM	05:05		06:05	05:58	05:48	05:25	05:40	05:18	05:04	05:05	05:23	05:20
8:50 AM	05:19	06:56	05:13	06:12	05:36	05:39	06:14	05:12	05:03	05:55	05:32	05:50
9:00 AM	05:11	05:13	04:49	04:53	05:09	05:14	05:29	05:15	05:10	05:52	05:28	05:12
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9:20 AM	05:02	05:11	05:03	05:55	05:14	05:21	05:51	05:13	04:55	05:16	05:18	05:07
9:30 AM	05:33	05:22	05:34	05:01		05:16	05:50	05:14	05:20	05:08	05:17	05:01
9:40 AM	05:45	05:07	05:19	05:14	05:12	05:03	05:39	05:30	04:55	05:08	05:05	04:55
9:50 AM	05:24	05:07	05:23	05:09	05:00	05:09	04:59	05:25	05:04	05:16	05:13	05:08
10:00 AM	05:21	05:35	05:33	05:11	04:52	05:11	04:56	05:32	05:02	05:15	05:21	05:04
10:10 AM	05:16	06:03	05:23	05:14	05:27	05:00	05:18	05:19	05:17	05:31	05:19	05:23
10:20 AM	05:24	05:31	04:59	05:15	05:21	04:54	05:47	05:24	05:29	05:17	05:07	05:56
10:21 AM							05:04	05:45	05:22	05:01	05:09	06:04
10:30 AM	05:07	05:27	05:06	05:27	05:15	04:55	05:03	05:25	05:19	05:08	05:12	05:49
10:40 AM	05:15	05:25	05:00	05:01	05:23	05:10	05:10	05:15	05:28	05:20	05:14	05:42
10:50 AM	04:59	05:42	05:15	05:06	05:31	05:30	05:20	05:12	05:49	05:29	05:26	05:32
11:00 AM	04:52	05:09	05:27	05:22		05:19	05:23	05:03	05:20	05:20	05:40	05:26
11:10 AM	04:53	05:19	05:41	05:36	05:38	05:15	06:21	05:16	05:13	05:29	05:27	05:23
11:20 AM	05:09	05:32	05:12	05:19	05:53	05:16	06:07	05:09	05:19	05:28	05:11	05:23

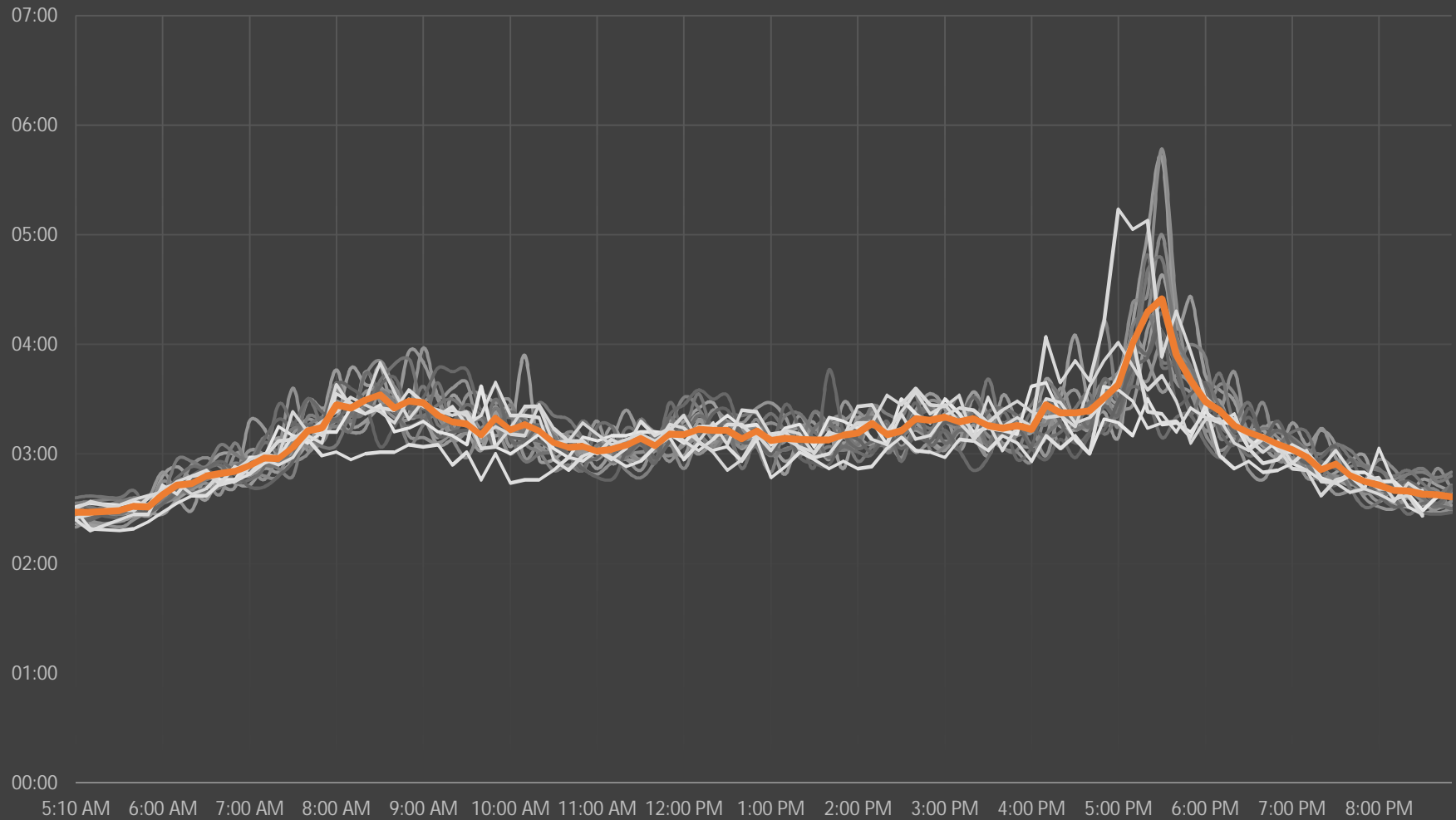
ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	04:48	05:24	05:26	05:13	05:47	05:19	05:15	05:21	05:27	05:21	05:14	05:22
11:40 AM	05:14	05:22	05:18	05:10	05:38	05:29	05:25	05:24	05:26	05:37	05:34	05:13
11:50 AM	05:11	05:28	05:46	05:05	05:20	05:11	05:37	05:20	05:12	05:44	06:25	05:16
12:00 PM	05:07		05:43	05:18	05:54	05:00	05:38	05:25	05:16	05:53	05:29	05:41
12:10 PM	05:48	05:52	05:33	05:04	05:43	05:18	05:43	05:11	05:14	05:35	05:46	05:50
12:20 PM	05:54	05:43	05:51	04:58	05:31	05:23		05:43	05:38	05:21	05:35	05:31
12:30 PM	05:58	05:41	05:31	05:08	05:19	05:22	05:34	05:30	05:19	05:31	05:31	05:22
12:40 PM	06:00	05:39	06:21	05:07	05:29	04:59	05:38	05:27	05:14	05:13	05:27	05:33
12:50 PM	05:57	05:58	06:08	05:18	05:28	05:24	05:57	05:33	05:20	05:18	05:44	05:29
1:00 PM	05:18	05:33	06:01	05:22	06:49	05:23	05:32	05:23	05:27	05:17	05:32	05:33
1:10 PM	05:44	05:47	05:20	04:58	06:42	05:15	05:23	05:31	05:18	05:28	05:06	05:41
1:20 PM	05:32	05:30	05:16	05:07	05:48	05:18	05:34	05:47	05:18	05:32	05:13	05:45
1:30 PM	05:33	05:32	05:31	05:11	05:41	04:58	05:18	05:25	05:23	05:38	05:29	05:46
1:40 PM	05:33	06:01	05:27	05:25	05:59	04:49	05:33	05:50	06:00	05:10	05:37	05:37
1:50 PM	05:24	05:07	05:27	05:25	05:39	05:28	05:45	05:40	05:36	05:21	05:46	05:17
2:00 PM	05:30	05:16	05:27	05:34	05:30	05:33	05:34	05:51	05:40	06:05	05:33	05:13
2:10 PM	05:25	05:36	05:47	06:01	05:32	05:28	05:24	05:32	05:44	06:15	05:55	05:11
2:20 PM	05:41	05:07	05:43	06:16	05:27	05:37	05:21	05:28	05:30	05:44	06:01	05:03
2:30 PM	05:33	05:25	05:46	06:29	05:28	06:11	05:08	05:33	05:29	05:31	05:56	05:26
2:40 PM	05:23	05:22	05:45	07:29	05:06	06:14	05:19	05:27	05:48	05:22	05:48	05:23
2:50 PM	05:25	05:20	05:51	06:50	05:43	05:51	05:29	05:22	05:22	05:21	05:22	05:13
3:00 PM	06:07	05:49	06:06	05:15	05:31	05:52	05:29	06:02	05:15	05:34	05:26	05:27
3:10 PM	06:04	05:50	06:15	05:16	05:27	05:38	05:27	06:11	05:18	05:16	05:18	05:25
3:20 PM	05:32	05:43	06:02	05:06	06:04	05:36	05:27	05:48	05:14	06:08	05:45	05:24
3:30 PM	06:05	05:43	06:22	05:37	05:41	05:23	05:31	05:48	05:30	06:14	05:14	05:28
3:40 PM	06:06	05:39	05:51	05:13	05:48	05:08	05:25	05:29	05:16	06:17	05:28	05:14
3:50 PM	06:24	05:43	06:19	05:36	06:41	05:05	05:37	05:54	05:25	06:52	05:34	05:20
4:00 PM	05:35	05:24	05:23	05:44	05:49	05:32	05:15	06:33	05:52	06:26	05:32	05:25
4:10 PM	05:22	06:00	05:28	05:29	05:41	05:08	05:44	05:34	05:48	06:34	05:23	05:21
4:20 PM	05:03	05:16	05:30	05:11	05:19	05:15	05:08	05:37	05:28	06:04	05:27	05:46
4:30 PM	05:28	05:21	05:38	05:44	05:12	05:38	05:15	05:47	05:16	05:46	05:44	05:31
4:40 PM	06:00	05:30	05:49	05:38	05:45	05:19	05:18	06:08	05:26	06:00	05:33	05:36
4:41 PM	06:07						05:34	05:53	05:23	06:03	05:40	05:42
4:50 PM	06:26	06:02	05:30	06:01	05:29	05:21	05:05	05:57	05:55	06:22	05:48	05:38
5:00 PM	06:15	05:32	05:50	05:39	05:39	05:34	06:23	05:49	05:34	06:42	06:14	05:39
5:10 PM	06:19	05:44	06:05	05:26	05:50	05:23	06:19	06:08	05:35	06:11	06:34	05:49
5:20 PM	06:07	05:51	05:58	05:52	05:38	05:24	06:27	05:57	05:39	06:03	06:00	05:30
5:30 PM	06:03	05:55	05:42	05:47	05:46	05:38	06:29	05:49	06:18	05:34	05:50	05:43
5:40 PM	06:00	06:01	06:35	05:56	05:52	05:13	05:46	06:01	06:23	05:49	06:10	05:46
5:50 PM	06:03	05:43	06:05	06:52	05:46	06:07	05:56	06:23	06:09	05:58	05:54	05:59
6:00 PM	05:33	05:43	06:08	05:34	06:26	05:29	05:40	06:20	06:03	05:31	05:39	05:48
6:10 PM	05:57	05:50	05:55	05:43	06:38	05:26	05:48	06:08	06:05	05:32	05:45	06:06

ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	06:10	06:45	05:54	05:48	06:08	05:41	05:40	05:53	05:58	05:33	05:48	05:48
6:30 PM	05:47	06:18	05:53	05:40	05:33	05:20	05:25	06:01	05:40	05:28	05:29	05:56
6:40 PM	05:45	07:19	06:11	05:31	05:39	05:26	05:25	05:35	05:16	05:37	05:41	05:47
6:50 PM	06:10	06:02	06:05	05:40	06:36	05:42	05:24	05:26	05:24	05:54	05:39	05:45
7:00 PM	05:48	05:36	05:48	05:36	06:21	05:32	05:20	05:30	05:14	05:33	05:14	05:31
7:10 PM	06:06	05:38	06:04	05:15	07:10	05:24	05:26	05:40	05:11	05:37	05:08	05:29
7:20 PM	05:28	05:51	05:32	05:19	06:30	05:36	05:27	05:58	05:09	05:21	05:30	05:10
7:30 PM	05:47	05:56	05:23	04:53	05:42	05:19	05:18	05:26	05:08	05:27	05:31	05:24
7:40 PM	05:08	05:35	05:41	04:58	05:27	05:07	05:18	05:29	05:12	05:32	05:21	05:17
7:50 PM	05:10	05:31	05:24	05:17	05:41	05:14	05:06	05:13	05:12	05:20	05:23	05:36
8:00 PM	04:56	05:39	05:32	05:11	05:32	05:22	05:06	05:01	05:13	05:11	05:08	05:17
8:10 PM	04:52	05:25	05:24	05:05	05:34	05:36	05:15	04:58	04:59	05:11	05:13	05:17
8:20 PM	05:19	05:17	05:19	05:09	05:32	05:24	05:14	05:17	05:21	05:18	05:17	05:13
8:30 PM	05:36	05:36	05:13	04:58	05:21	05:54	05:08	05:27	05:15	05:11	05:20	05:15
8:40 PM	05:11	05:05	05:08	05:14	05:05	05:50						
8:50 PM	04:59	05:46	05:11	05:02	05:16	05:40						



# Travel Time Graph

## Vista Sorrento Pkwy Northbound from Mira Mesa Blvd to Sorrento Valley Blvd

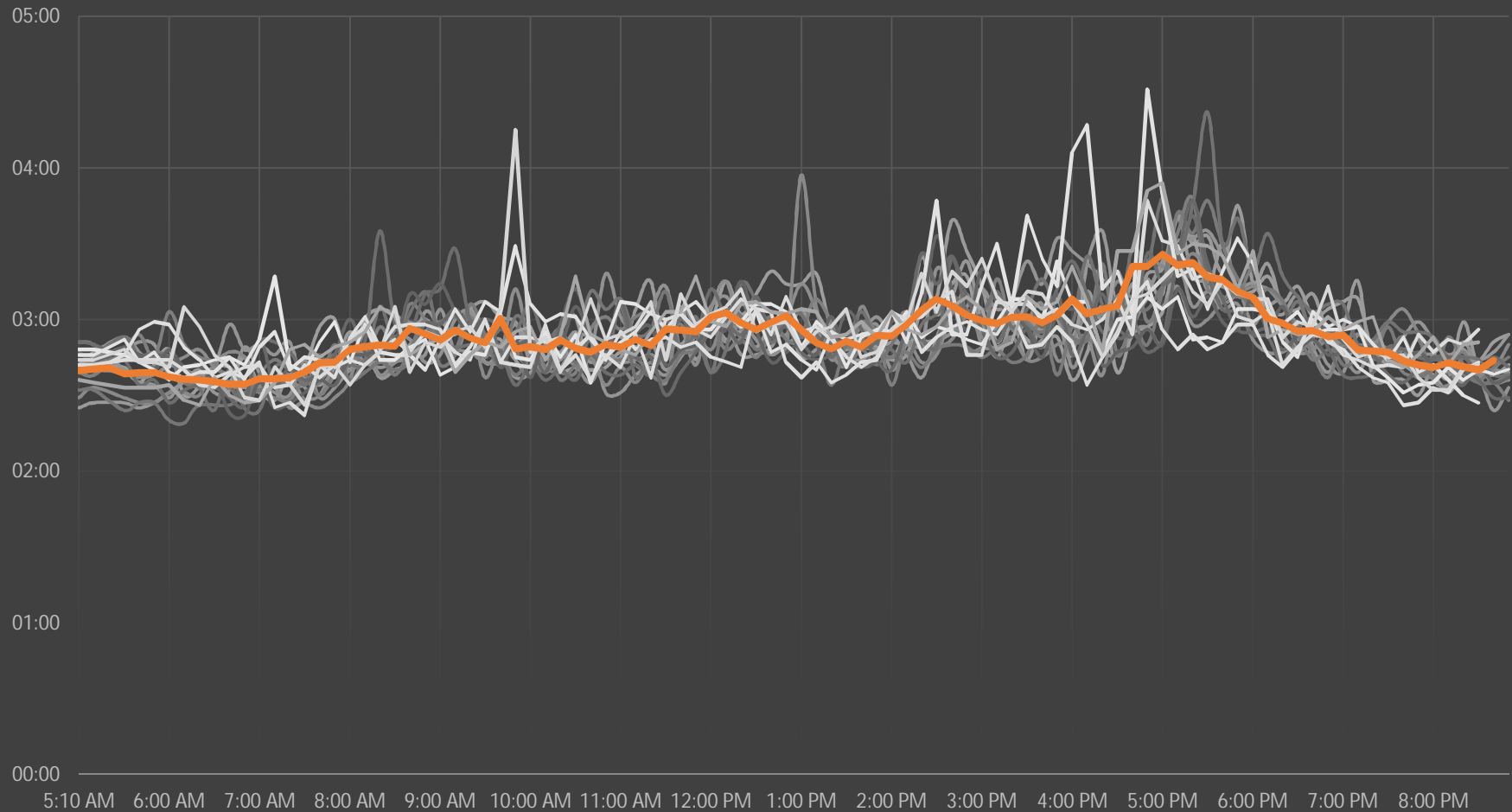


Legend:

- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/15/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time

# Travel Time Graph

## Vista Sorrento Pkwy Southbound from Sorrento Valley Blvd to Mira Mesa Blvd

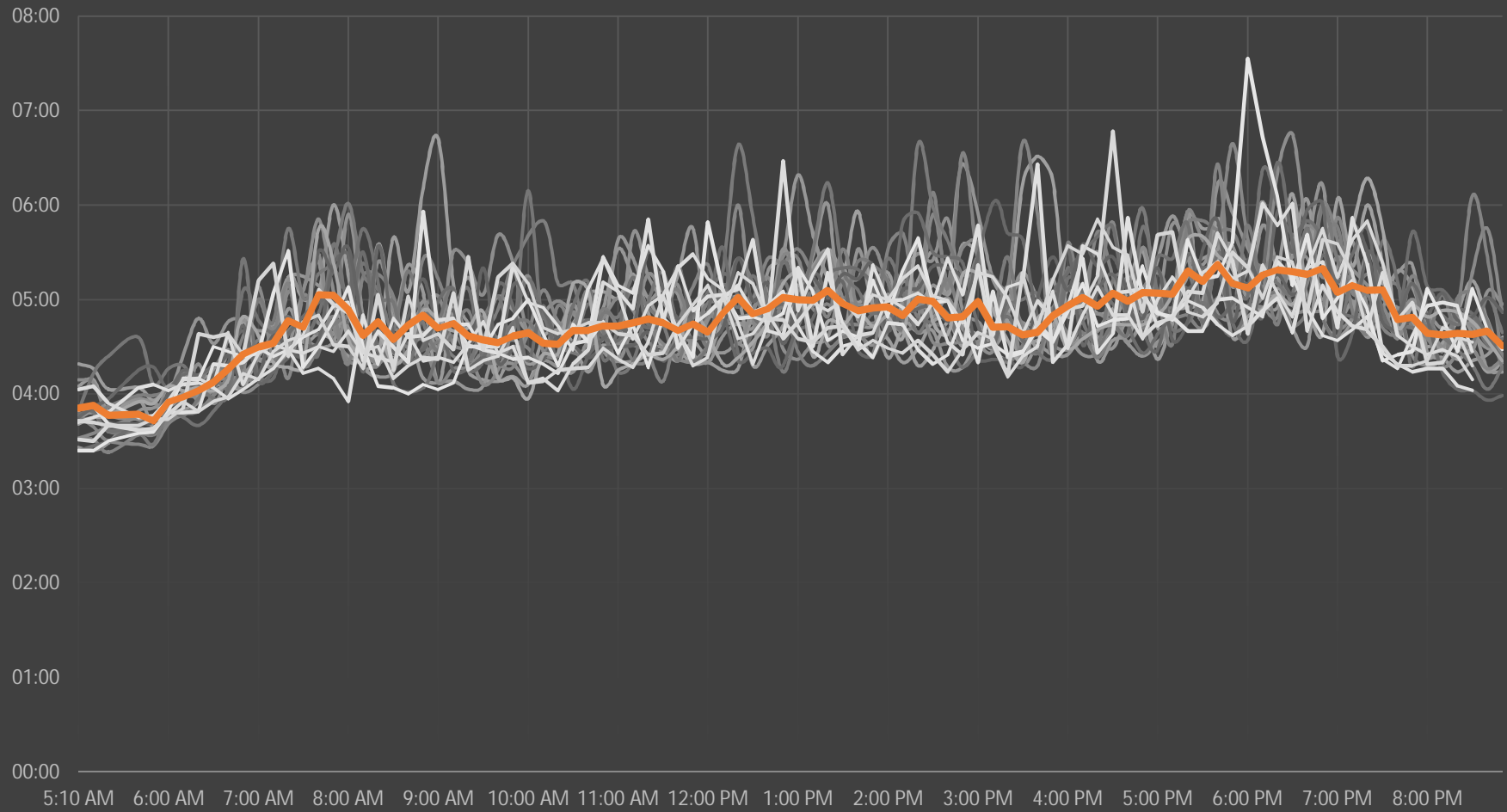


Legend:

- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/15/2019
- 2/14/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time

# Travel Time Graph

## Westview Pkwy Northbound from Hillery Dr to Black Mountain Rd

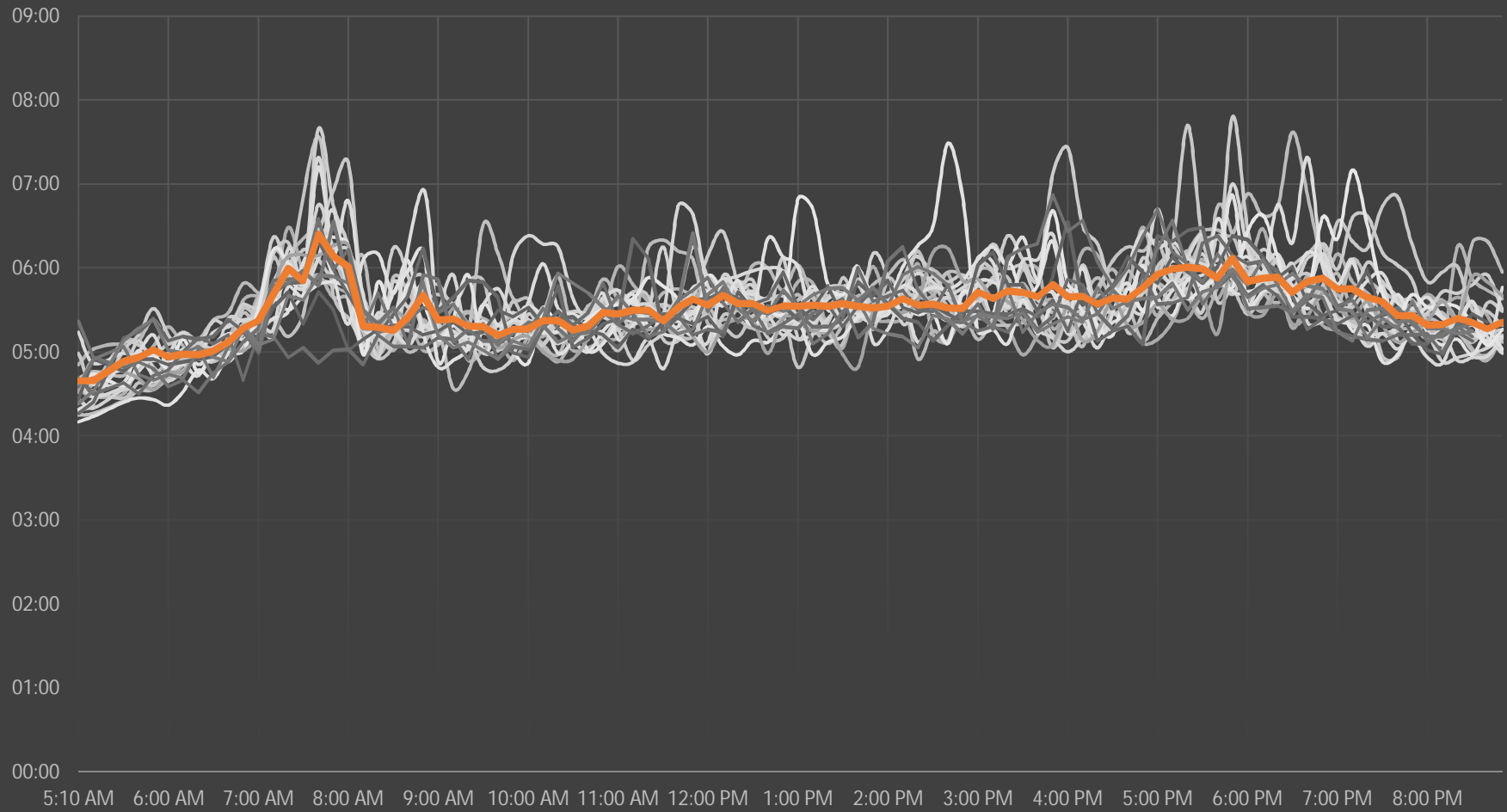


Legend:

- 1/21/2019
- 1/22/2019
- 1/23/2019
- 1/24/2019
- 1/25/2019
- 1/28/2019
- 1/29/2019
- 1/30/2019
- 1/31/2019
- 2/1/2019
- 2/4/2019
- 2/5/2019
- 2/6/2019
- 2/7/2019
- 2/8/2019
- 2/11/2019
- 2/12/2019
- 2/13/2019
- 2/14/2019
- 2/15/2019
- 2/18/2019
- 2/19/2019
- 2/20/2019
- 2/21/2019
- Tue-Thur Avg Travel Time

# Travel Time Graph

## Westview Pkwy Southbound from Black Mountain Rd to Hillery Dr



1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019
1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019
2/4/2019	2/5/2019	2/6/2019	2/7/2019	2/8/2019
2/11/2019	2/12/2019	2/13/2019	2/15/2019	2/14/2019
2/18/2019	2/19/2019	2/20/2019	2/21/2019	Tue-Thur Avg Travel Time

Traction Probe Data Heatmap												
ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:34	07:53	07:35	06:38	07:49	07:26	07:55	07:42	07:52	07:37	07:36
5:20 AM		07:40	08:00	07:41	06:50	08:03	07:30	07:55	08:09	07:51	07:45	07:39
5:30 AM		07:33	08:05	08:07	06:53	08:05	07:50	07:49	08:08	07:40	07:41	07:50
5:40 AM		07:50	08:05	08:30	07:01	08:17	08:04	08:00	08:10	07:47	07:53	08:06
5:50 AM		07:58	08:07	07:56	07:30	07:58	08:12	07:58	08:05	08:03	08:46	08:07
6:00 AM		07:58	08:01	07:55	07:37	08:24	08:01	08:32	08:25	07:56	08:54	07:48
6:10 AM		07:48	08:05	08:16	07:47	08:16	07:56	08:19	08:32	08:01	09:06	07:57
6:20 AM		08:03	08:14	08:48	07:57	08:37	08:16	08:33	08:06	08:14	08:59	08:17
6:30 AM		08:24	08:20	08:57	08:10	08:29	08:13	08:25	08:15	07:59	08:31	08:20
6:40 AM		08:38	08:27	08:30	08:15	08:45	08:40	08:04	08:15	08:22	08:28	09:07
6:50 AM		08:43	08:57	08:27	08:30	08:33	08:40	08:36	08:27	08:34	08:24	09:02
7:00 AM		08:50	09:39	09:36	08:35	09:10	08:42	09:11	09:11	09:01	09:03	09:11
7:10 AM		09:24	09:24	08:51	08:50	08:56	09:46	08:55	09:01	08:53	09:06	09:39
7:20 AM		09:15	10:17	09:28	08:57	09:13	09:33	09:46	09:22	09:15	09:39	09:52
7:30 AM		09:54	09:55	09:54	09:10	09:21		09:31	09:21	09:34	09:55	10:07
7:40 AM		10:46	10:07	09:34	09:25	09:39	10:14	09:55	09:23	10:08	09:29	09:36
7:50 AM		10:15	10:44	09:56	09:45	09:53	10:19	10:35	09:48	09:57	09:37	10:14
8:00 AM		10:32	09:32	10:15	10:30	10:54	09:30	10:07	10:21	09:12	10:04	10:07
8:10 AM		10:32	09:43	09:19	09:27	10:04	10:07	10:27	09:40	09:13	10:40	10:29
8:20 AM		10:42	10:20	09:52	08:58	09:53	09:43	10:40	09:33	10:11	10:16	09:46
8:30 AM		09:26	09:40	09:26	09:28	09:41	09:13	10:12	09:21	10:02	10:28	09:26
8:40 AM		09:20	10:10	09:21	10:05	09:02	09:21	09:42	09:45	09:55	10:02	09:44
8:50 AM		09:24	10:00	09:09	10:01	08:59	08:47	09:15	09:28	10:11	09:49	10:03
9:00 AM		08:49	09:19	09:25	10:15	09:42	09:51	09:44	09:37	09:19	10:22	10:32
9:10 AM		09:02	09:12	08:41	09:46	09:29	10:21	09:38	08:51	09:33	10:56	11:06
9:20 AM		09:49	08:47	09:20	09:24	09:32	09:44	10:10	09:45	09:27	10:40	10:33
9:30 AM		09:38	08:55	08:18	08:57	10:15	09:44	09:43	09:08	09:02	09:29	10:21
9:40 AM		08:51	09:04	08:34	09:32	09:52	09:12	09:11	09:06	09:17	08:56	10:21
9:50 AM		10:13	08:55	09:01	08:23	09:47	09:12	09:22	08:54	09:02	09:36	09:23
10:00 AM		09:00	08:48	09:10	09:02	09:26	09:01	09:32	08:59	09:24		08:50
10:10 AM		09:26	08:48	08:37	09:11	09:14	09:04	09:36	09:08	09:30	09:03	09:06
10:20 AM		08:42	09:01	08:41	09:40	09:07	09:22	09:18	09:46	09:05	09:11	08:44
10:21 AM								09:22				
10:30 AM		08:57	08:36	08:38	09:22		09:25	09:36	08:37	09:09		
10:40 AM		09:02	08:47	09:43	09:32	09:32	09:40	09:43	09:25	09:26	10:00	08:45
10:50 AM		09:31	09:22	08:56	09:07	10:20	09:56	09:17	09:22	09:08	09:09	08:48
11:00 AM		09:49	08:47	09:04	09:06	10:25	09:21	09:20	09:17	09:03	09:04	09:08
11:10 AM		09:38	08:19	08:43	08:55	10:09	09:38	08:52		08:45	09:32	09:47
11:20 AM		09:45	08:33	08:28	09:10	09:13	09:12	09:13	09:17	08:44	09:30	10:00

ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		09:05	08:38	08:25	08:45	08:46	09:11	08:40	10:06	09:30	09:36	09:01
11:40 AM		09:17	08:37	09:23	08:47	09:15	08:47	08:49	09:52	09:02	09:39	08:40
11:50 AM		09:11	09:09	09:49	09:05	09:07	09:39	08:52	09:31	09:23	09:06	08:57
12:00 PM		09:07	08:35	09:28	09:20	09:53		08:56	09:21	09:14	09:16	08:52
12:10 PM		09:12	09:22	09:22	09:22	09:15	09:01	09:29	08:59	08:57	09:11	08:20
12:20 PM		09:32	09:26	09:26	09:03	09:05	08:48	09:04	09:40	09:39	09:17	08:42
12:30 PM		09:14	09:18	09:37	09:02	09:19	08:48	09:13	09:38	09:11	09:17	08:50
12:40 PM		09:20	09:07	09:17	08:57	09:03	09:10	09:02	09:17	09:17	09:28	09:02
12:50 PM		08:54	09:02	09:35	09:05	09:22	08:45	09:09	09:24	09:39	09:17	08:59
1:00 PM		09:31	09:06	09:53	09:52	09:49	09:11	09:27	09:43	09:31	09:47	09:32
1:10 PM	09:04	09:06	08:35	09:12	08:53	10:01	09:08	10:07	09:10	09:36	09:10	09:11
1:20 PM	09:10	09:03	09:15	09:30	09:16	09:07	09:15	09:20	09:31	09:25		09:22
1:30 PM	08:59	08:57	09:12	09:01	09:26	08:47	08:53	09:31	09:18	09:25	09:26	09:16
1:40 PM	08:32	09:17	09:15	08:41	09:06	09:06	09:21	08:59	09:19	09:14	09:50	09:23
1:50 PM	09:14	09:13	09:34	08:59	10:03	08:54	09:32	09:55	10:07	09:05	09:06	09:37
2:00 PM	09:06	09:19	09:42	09:16	10:31	09:23	08:59	09:25	09:25	10:09	08:54	09:12
2:10 PM	09:07	09:40	08:55	09:35	09:50	09:14	09:09	09:41	09:08	10:34	09:19	09:19
2:20 PM	09:21	09:12	08:58	09:18	09:16	09:30	09:48	09:29	10:13	09:55	09:49	09:23
2:30 PM	09:25	09:14	09:31	09:16	09:27	09:25	09:46	09:35	10:24	09:57	09:26	
2:40 PM	09:23	09:36	09:49	09:45	10:16	09:34	09:46	10:07	10:57	10:17	10:07	10:37
2:50 PM	08:57	09:52	09:36	09:36	09:33	09:41	10:44	09:53	11:14	09:44	09:57	10:04
3:00 PM	09:30	10:40	09:49	10:06		09:17	10:10		11:26	09:38	09:46	10:10
3:10 PM	09:13	10:15	09:15	08:55	09:38	10:07	10:01	09:33	10:47	10:06	09:30	10:13
3:20 PM	09:17	10:07	08:57	09:17	09:32	09:20	09:08	10:01	10:38	09:18	09:03	10:39
3:30 PM	09:10	09:48	09:33	10:03	09:35	09:08	09:25	09:30	10:19	09:15	09:26	10:16
3:40 PM	09:14	10:13	09:21	09:06	09:36	09:52	09:13	09:17	11:01	09:08	08:54	09:41
3:50 PM	09:29	10:08	09:55	09:08	10:16	09:38	09:30	09:26	10:36	10:27	10:25	09:54
4:00 PM	08:51	09:56	09:15	10:07	10:25	09:49	10:31	09:44	12:23	09:56	09:46	10:11
4:10 PM	09:28	10:04	09:36	09:48	10:16	10:05	10:59	10:05	11:19	11:11	11:16	09:44
4:20 PM	09:45	10:16	09:42	09:57	10:29	09:50	10:14	11:59	12:15	09:29	10:04	11:16
4:30 PM	09:00	10:21	10:50	09:54	10:26	09:47	09:58	10:23	12:06	09:48	10:19	10:53
4:40 PM	08:57	10:32	11:13	10:12	10:45	10:48	12:40	10:47	12:22	09:53	10:01	10:38
4:41 PM												
4:50 PM	08:50	10:43	10:30	10:18	11:49	10:45	10:17	10:54	12:45	10:01	10:32	10:33
5:00 PM	09:26	11:12	11:14	10:38	12:08	10:18	12:21	12:25	12:15	10:03	11:37	11:32
5:10 PM	09:04	11:02	11:13	11:17	11:36	10:50	11:02	11:48	12:47	10:20	11:30	12:05
5:20 PM	09:16	10:51	11:15	10:56	11:35	11:09	10:51	11:44	13:15	09:50	10:27	10:46
5:30 PM	10:10	10:20	11:17	11:29	11:29	11:04	10:41	11:29	12:59	10:47	10:51	10:45
5:40 PM	09:36	10:35	11:34	11:01	12:16	10:11	11:36	11:23	12:27	10:37	10:52	10:31
5:50 PM	09:25	11:30	11:33	10:52	11:10	10:45	10:47	11:14	12:06	10:08	10:41	10:56
6:00 PM	09:04	10:56	11:10	10:40	10:41	10:27	11:08	10:28	12:52	10:13	11:59	10:41
6:10 PM	09:09	11:07	10:26	10:21	11:14	09:49	11:01	11:37	12:40	09:31	11:08	10:36

ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	09:35	11:52	11:14	10:12	11:02	10:12	12:15	11:27	11:58	09:30	10:31	10:22
6:30 PM	09:13	10:23	10:09	09:26	10:21	10:12	10:31	10:52	12:06	09:42	10:59	09:58
6:40 PM	09:30	09:36	09:33	09:37	09:55	09:20	10:17	10:55	13:14	09:31	09:56	10:02
6:50 PM	09:07	10:16	09:45	09:34	09:43	09:18	09:35	09:36	11:36	09:21	09:54	08:44
7:00 PM	09:15	09:13	09:40	09:55	09:13	10:05	09:45	09:25	10:17	09:21	09:17	09:16
7:10 PM	08:41	08:54	09:03	09:29	09:04	09:12	09:23	09:32	09:32	09:22	08:49	09:40
7:20 PM	08:23	09:05	09:13	09:03	08:54	08:29	09:00	09:05	09:15	09:03	08:55	09:26
7:30 PM	08:23	08:59	09:14	09:05	08:58	08:40	08:59	08:59	09:02	08:43	08:49	08:42
7:40 PM	07:57	09:09	08:27	08:23	08:47	08:19	08:42	08:37	09:10	08:39	08:36	08:40
7:50 PM	08:12	08:56	08:36	08:51	08:30	08:14	08:35	08:44	08:53	08:38	08:27	08:26
8:00 PM	08:01	08:26	07:55	09:05	08:05	07:54	08:33	08:57	09:32	08:43	08:30	08:46
8:10 PM	07:55	08:18	07:55	08:40	08:56	08:09	08:13	08:47	08:40	09:17	08:23	08:48
8:20 PM	07:39	08:20	08:08	08:36	08:35	08:04	08:15	08:47	08:34	09:02	08:31	08:27
8:30 PM	08:36	08:07	07:51	08:14	08:13	08:25	08:23	07:54	08:22	09:03	09:00	08:24
8:40 PM	08:10	08:06	07:56	08:14	08:10	08:14	08:18	07:56	08:43	08:47	08:36	07:50
8:50 PM	08:10	08:14	08:24	08:09	08:03	08:05	08:12	07:50	08:10	08:56	08:42	08:07



Traction Probe Data Heatmap												
ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:40	07:21	07:59	07:38	07:40	07:44	07:33	07:41	07:42	07:41	07:46	07:29
5:20 AM	07:33	07:25	08:03	07:47	07:42	07:51	07:45	07:49	08:18	07:31	08:03	07:37
5:30 AM	07:33	07:28	07:45	07:48	07:32	07:44	07:47	07:36	08:14	07:33	07:43	07:36
5:40 AM	07:50	07:36	07:54	07:46	08:03	08:02	08:08	07:42	08:18	08:12	08:02	07:43
5:50 AM	07:47	07:27	08:02	07:48	08:43	07:59	08:06	07:46	08:48	08:08	08:00	07:53
6:00 AM	08:05	07:42	08:16	07:46	08:39	08:01	08:30	08:02	09:04	08:14	08:06	08:06
6:10 AM	08:11	08:04	08:40	08:03	08:20	08:12	08:46	08:29	08:34	08:20	08:03	08:27
6:20 AM	08:06	08:03	08:30	08:11	08:03	08:17	08:33	08:23	08:43	08:00	08:15	08:58
6:30 AM		08:13	08:52	08:20	08:14	08:19	08:41	08:30	08:54	07:58	08:29	08:47
6:40 AM	08:41	08:47	08:53	08:34	08:33	08:10	09:01	08:38	09:03	08:30	08:17	09:14
6:50 AM	09:06	09:08	08:58	08:52	08:42	08:01	09:39	09:06	09:10	09:00	08:06	09:50
7:00 AM	08:53	10:06	08:44	09:01	09:21	08:26	08:55	09:05	09:05	08:45	08:57	09:32
7:10 AM	09:00	08:37	09:38	09:03	09:45	09:20	09:43	09:27	08:23	09:37	09:45	09:35
7:20 AM	09:19	09:23	09:34	09:45	10:14	09:10	10:36	09:51	08:37	09:40	09:47	09:34
7:30 AM	09:53	10:36	09:28	10:09	10:20	09:56	10:35	09:13	08:30	10:02	09:51	10:31
7:40 AM	09:53	09:46	09:47	10:04	10:04	09:41	10:15	09:21	08:42	09:49	10:16	10:38
7:50 AM	10:45	10:09	10:23	09:41	09:53	09:59	10:15	08:59	08:42	09:31	09:35	11:37
8:00 AM	10:33	10:01	09:21	09:47	10:12	10:43	10:39	08:49	08:42	09:42	09:53	09:40
8:10 AM	09:59	09:21	09:22	09:18	10:00	10:22	10:12	09:05	08:45	10:01	09:47	09:51
8:20 AM	09:26	09:42	09:26	09:22	09:43	10:22	09:47	09:06	09:19	10:13	09:36	09:50
8:30 AM	09:42	09:34	10:05	10:16	10:04	10:13	09:58	09:07	09:17	09:28	10:21	10:06
8:40 AM	10:24		10:08	09:31	10:13	10:08	10:04	09:42	08:58	09:40	09:42	09:15
8:50 AM	11:01	09:18	09:46	09:32	10:42	09:35	09:23	09:58	08:30	09:18	10:16	09:47
9:00 AM	09:55	09:43	09:35	09:37	10:06	09:27	09:41	09:48	08:30	09:28	10:54	09:33
9:10 AM	10:13	09:30	09:15	10:01	10:38	09:55	09:35	09:12	08:40	09:21	09:22	09:38
9:20 AM	09:50	10:13	09:16	10:53	10:34	09:38	09:57	09:17	08:33	09:24	10:34	09:20
9:30 AM	09:42	10:44	09:24	09:44	09:34	09:35	09:51	09:07	08:39	08:55	09:57	09:01
9:40 AM	10:09	09:08	09:40	09:57	09:29	09:46	10:48	08:46	09:13	08:36	09:36	09:06
9:50 AM	09:37	08:52	09:15	09:44	09:34	09:15	10:42	09:19	09:18	09:05	09:11	08:34
10:00 AM	08:59	08:55	09:12	09:47	09:36	09:19	09:06	09:15	09:31	09:06	09:17	08:54
10:10 AM	08:51	08:46	09:03	10:40	09:35	09:15	08:40	08:58	09:10	09:30	09:22	09:40
10:20 AM	08:42	08:39	09:06	08:59	08:34	08:46	08:45	09:07	09:05	09:31	08:58	09:44
10:21 AM						08:47	09:08	08:57	08:59	09:55	09:30	10:04
10:30 AM	09:04	08:48	09:12	09:05	08:36	08:48	09:09	09:24	08:45	09:24	09:49	09:44
10:40 AM	09:09	09:13	08:44	09:34	08:29	08:54	09:03	09:36	08:53	09:01	09:22	09:16
10:50 AM	09:18	08:50	08:50	09:47	09:12	09:25	10:03	10:03	08:31	09:14	09:59	09:36
11:00 AM	09:33	09:20	09:03	08:50		09:47	10:15	08:49	08:54	09:26	09:51	09:35
11:10 AM	09:30	09:32	09:32	08:53	09:23	09:04	09:43	10:31	08:40	09:44	09:14	09:09
11:20 AM	08:56	09:42	09:07	08:45	09:38	09:09	09:47	09:25	08:22	08:44	09:14	09:31

ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:50	09:41	09:43	08:38	09:24	09:01	09:41	09:08	08:35	09:02	08:48	08:36
11:40 AM	09:12	09:36	09:25	08:41	08:52	09:34	09:49	09:40	08:45	09:35	08:43	09:24
11:50 AM	08:51	09:52	09:29	09:00	08:25	09:47	09:31	08:40	08:22	09:35	09:06	09:03
12:00 PM	09:28	09:47	10:23	09:00	08:58	08:55	09:17	09:07	09:07	09:35	09:58	09:36
12:10 PM	09:29	09:39	10:06	08:50	09:06	08:42	09:10	08:56	08:55	08:52	08:58	10:07
12:20 PM	09:25	09:40	10:01	09:12	09:14	09:14	09:44	09:45	08:41	09:23	09:21	10:03
12:30 PM	09:24	09:51	09:35	09:22	09:03	09:05	09:33	09:41	08:56	08:49	10:01	09:35
12:40 PM	09:49	11:02	09:26	09:06	09:28	09:34	10:07	09:41	09:05	09:34	09:53	09:06
12:50 PM	09:26	10:16	09:47	09:18	09:25	09:09	09:37	09:14	09:19	08:51	09:23	09:32
1:00 PM	09:05	09:43	09:49		09:45	09:27	09:26	09:01	08:56	08:48	08:59	09:27
1:10 PM	08:57	09:27	09:12	09:02	09:17	09:32	09:57	09:08	09:16	09:49	09:32	09:12
1:20 PM	09:40	09:21	09:36	08:58	09:10	09:36	09:49	09:15	09:05	09:28	09:32	09:13
1:30 PM	09:25	08:57	09:26	09:01	08:44	10:24	09:20	08:54	08:36	09:22	09:55	08:56
1:40 PM	09:05	09:28	09:34	10:17	08:53	09:28	09:53	08:56	09:03	09:00	09:12	09:32
1:50 PM	09:06	09:25	09:29	10:01	09:15	09:30	09:40	08:56	09:08	09:18	10:08	09:05
2:00 PM	09:09	09:25	09:35	09:43	09:49	09:16	09:33	09:09	09:01	09:22	09:13	09:29
2:10 PM	09:14	09:32	09:35	09:40	10:19	09:40	09:35	08:59	10:12	09:12	09:19	09:16
2:20 PM	09:52	10:11	09:57	09:55	10:08	10:20	09:46	09:22	09:35	09:30	10:10	09:02
2:30 PM	09:33	09:43	10:03	09:24	10:13	10:44	10:19	09:44	09:54	10:59	10:07	09:50
2:40 PM	09:51	09:15	10:18	09:58	10:49	11:01	09:55	09:27	09:44	09:49	10:04	10:02
2:50 PM	10:13	10:14	10:02	09:50	10:04	10:06	09:44	10:25	09:01	09:52	09:56	09:45
3:00 PM	10:05	10:24		09:58	09:25	09:46	09:57	09:18	09:19	09:30	10:14	09:40
3:10 PM	09:23	09:59	09:20	09:11	09:42	09:57	09:42	09:20	08:53	09:41	10:03	09:43
3:20 PM	09:17	09:24	09:55	09:00	09:08	09:45	10:42	09:15	09:13	09:12	10:51	10:04
3:30 PM	09:31	09:10	09:56	09:58	09:49	10:09	09:43	09:33	08:59	09:50	10:15	10:03
3:40 PM	10:10	09:48	09:45	09:33	09:39	10:54	09:50	09:58	09:13	10:31	11:28	09:54
3:50 PM	10:47	09:48	10:20	09:42	09:51	11:21	10:01	09:20	08:47	09:37	09:43	10:18
4:00 PM	10:22	10:40	09:36	10:45	09:56	11:18	10:44	10:06	09:35	10:38	11:27	11:32
4:10 PM	09:58	09:54	10:49	10:40	10:18	10:58	10:37	10:13	09:38	10:44	10:42	10:57
4:20 PM	10:41	09:58	10:59	10:09	10:11	12:27	09:45	10:22	09:45	11:40	10:10	10:33
4:30 PM	09:56	10:51	10:56	11:00	10:10	12:32	09:53	09:41	09:16	10:39	11:41	12:34
4:40 PM	10:57	10:23	11:06	10:54	10:34	11:40	10:21	09:51	09:24	10:45	11:15	13:38
4:41 PM	11:22					11:59	09:55	09:44	09:01	12:02	12:09	14:55
4:50 PM	12:06	10:36	10:52	10:50	09:55	13:00	09:59	09:56	09:47	12:21	10:58	13:55
5:00 PM	11:16	10:51	12:15	10:57	11:00	12:52	10:09	10:21	09:48	12:00	11:00	14:15
5:10 PM	11:29	11:28	11:12	10:48	10:13	11:51	09:51	09:53	09:40	10:36	10:38	12:56
5:20 PM	11:16	13:43	12:05	11:09	11:52	12:36	10:26	10:31	09:08	11:09	11:23	11:22
5:30 PM	11:02	12:22	11:14	12:49	10:19	11:55	10:15	09:53	08:59	12:07	11:13	12:00
5:40 PM	11:35	11:27	10:16	11:33	11:02	11:16	09:38	09:37	09:23	11:29	10:45	10:26
5:50 PM	11:39	11:06	10:44	10:44	10:53	11:28	09:47	10:01	09:48	12:04	10:39	10:32
6:00 PM	11:44	12:02	10:13	10:02	11:44	10:40	10:07	09:44	09:49	10:57	10:57	10:02
6:10 PM	12:33	10:57	11:04	10:59	10:27	11:15	09:28	08:58	09:23	10:19	10:07	10:14

ROUTE	Black Mountain Rd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	11:41	12:00	09:46	11:02	11:05	11:16	09:24	09:39	09:14	10:36	09:48	09:33
6:30 PM	10:58	10:37	09:33	10:38	10:09	11:19	09:47	09:18	09:22	09:57	09:07	09:52
6:40 PM	10:24	10:33	09:34	10:15	09:44	09:38	09:08	09:33	08:40	10:29	09:11	09:51
6:50 PM	09:29	10:09	09:36	09:39	10:12	09:41	09:23	08:41	08:14	08:58	08:51	09:14
7:00 PM	09:33	09:54	09:41	09:17	09:52	09:40	09:12	08:29	08:12	08:51	08:59	08:40
7:10 PM	09:38	09:14	08:56	09:06	09:41	09:16	08:56	08:38	08:12	08:50	09:19	09:16
7:20 PM	09:13	09:18	08:52	09:16	09:47	09:08	08:32	08:34	08:16	09:05	09:01	09:20
7:30 PM	09:02	09:07	08:33	08:53	08:19	09:03	08:34	08:26	08:31	09:04	08:32	08:29
7:40 PM	09:21	08:51	08:34	08:40	08:14	09:23	08:44	08:22	08:14	08:44	08:43	08:54
7:50 PM	08:39	09:13	08:47	08:36	08:34	09:05	08:24	08:29	08:31	07:54	08:35	08:49
8:00 PM	08:28	08:38	09:27	08:22	09:02	08:45	08:55	08:54	08:21	08:05	08:43	08:25
8:10 PM	08:16	08:19	09:01	08:13	08:18	08:16	08:53	09:18	08:16	08:14	08:29	08:07
8:20 PM	08:07	08:25	08:38	08:16	08:44	08:17	08:20	08:30	08:26	08:11	08:35	08:25
8:30 PM	08:21	08:26	08:44	08:19	08:35	08:33	08:10	08:10	08:41	08:12	08:27	08:18
8:40 PM	07:51	08:22	08:09	07:57	08:21							
8:50 PM	08:12	08:24	08:05	07:54	08:19							

Traction Probe Data Heatmap

ROUTE												
Black Mountain Rd SB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:00	07:38	07:42	07:03	07:20	07:20	07:26	07:41	07:05	07:02	07:33
5:20 AM		07:00	07:56	07:42	07:05	07:21	07:00	07:22	07:47	07:18	07:16	07:25
5:30 AM		07:11	07:59	07:35	07:03	07:18	07:06	07:12	07:45	07:17	07:18	07:33
5:40 AM		07:23	07:37	07:42	07:22	07:33	07:25	07:16	07:57	07:20	07:37	07:42
5:50 AM		07:20	07:41	07:42	07:43	07:15	07:14	07:20	08:14	07:45	07:43	07:39
6:00 AM		07:42	07:55	07:51	07:20	07:13	07:15	07:23	07:38	07:45	07:36	07:53
6:10 AM		07:58	08:07	08:01	07:46	07:37	07:23	07:38	07:44	07:45	07:45	07:58
6:20 AM		08:00	08:00	07:53	08:07	07:37	08:04	08:09	08:05	08:00	07:45	08:07
6:30 AM		08:03	08:34	07:57	08:13	07:59	08:17	08:19	07:45	07:49	07:55	08:23
6:40 AM		08:44	08:45	08:21	08:39	08:07	08:08	08:36	07:58	08:13	08:10	08:33
6:50 AM		08:55	08:31	09:36	08:36	08:54	08:39	09:06	08:50	09:03	08:46	08:52
7:00 AM		09:10	09:18	09:05	08:36	08:41	09:53	09:38	08:35	09:05	08:55	09:14
7:10 AM		09:57	09:19	09:13	09:02	09:19	09:28	09:21	09:05	09:02	09:29	09:38
7:20 AM		09:54	09:16	09:35	09:13	09:04	10:13	09:34	10:17	09:44	10:09	10:02
7:30 AM		10:47	10:16	10:36	09:15	10:10	10:32	10:05	09:59	09:37	09:56	10:25
7:40 AM		11:25	10:31	10:58	09:57	10:16	10:42	10:12	10:21	10:04	10:16	11:17
7:50 AM		11:08	10:56	11:03	10:37	10:19	11:23	12:33	11:36	10:25	11:36	12:44
8:00 AM		11:57	11:50	11:59	10:29	11:52	12:32	12:08	11:48	10:28	12:19	13:41
8:10 AM		11:09	10:22	12:39	10:19	10:43	12:32	11:07	10:09	09:54	10:39	11:56
8:20 AM		10:53	10:17	12:27	10:01	10:24	11:29	11:22	10:10	09:22	10:29	11:24
8:30 AM		10:24	10:24	11:02	09:34	10:01	10:53	09:54	09:51	09:54	10:12	12:49
8:40 AM		10:35	11:40	09:45	09:16	09:33	10:11	09:51	10:02	09:48	10:05	11:09
8:50 AM		10:37	10:58	09:44	09:52	10:15	09:31	11:03	10:29	10:12	11:36	10:27
9:00 AM		11:23	10:55	09:34	09:27	09:37	09:08	10:33	10:29	09:10	11:30	10:37
9:10 AM		11:28	09:48	09:49	09:17	09:55	10:04	09:54	09:25	09:00	11:15	11:18
9:20 AM		10:27	09:36	09:18	09:07	09:57	12:05	09:55	09:20	08:56	12:11	09:32
9:30 AM		09:13	09:59	09:09	09:07	09:16	09:40	09:23	10:29	08:59	11:12	09:59
9:40 AM		09:32	09:01	09:10	09:06	08:28	09:40	09:50	09:09	08:42	09:55	10:07
9:50 AM		08:34	09:55	08:27	09:18	08:52	08:47	09:06	08:56	08:50	09:02	09:27
10:00 AM		08:48	08:53	08:21	08:45	09:24	08:33	09:04	08:27	08:36	08:53	08:44
10:10 AM		08:48	08:42	08:25	09:18	09:19	08:48	09:06	08:12	08:42	08:52	08:25
10:20 AM		08:46	08:55	08:43	08:59	08:56	08:35	08:50	08:08	08:53	08:40	08:19
10:21 AM								08:44				
10:30 AM		09:07	08:27	08:31	08:52	08:43	08:46	08:56	08:33	09:08	08:29	08:46
10:40 AM		08:42	08:45	08:32	08:37	08:40	08:58	08:43	08:38	09:38	08:45	08:49
10:50 AM		08:19	08:50	08:36	08:50	08:42	08:21	08:41	08:53	09:17	09:03	08:50
11:00 AM		08:34	09:30	08:33	08:51	08:34	08:58	09:10	08:32	08:39	09:09	08:21
11:10 AM		08:44	08:39	08:24	08:56	08:31	08:55	08:53		08:49	08:53	08:32
11:20 AM		08:28	08:58	08:34	09:00	09:01	08:43	08:53	09:11	08:54	08:58	08:44



ROUTE	Black Mountain Rd SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:33	08:51	08:25	08:55	08:42	09:06	09:06	08:46	09:09	08:39	08:17
11:40 AM		08:36	08:53	08:39	08:50	09:22	08:42	08:32	08:43	08:48	08:45	08:43
11:50 AM		08:51	08:59	08:47	09:04	09:18	09:13	08:42	08:39	08:56	08:30	08:34
12:00 PM		08:35	08:43	09:01	09:29	09:02	08:48	08:48	08:31	09:14	08:44	08:51
12:10 PM		08:36	08:55	09:20	08:44	08:48	09:13	08:45	09:08	08:36	08:41	08:32
12:20 PM		08:51	08:27	09:21	08:52	08:34	09:16	08:53	08:44	09:22	08:39	09:05
12:30 PM		08:47	08:46	08:59	08:59	09:01	09:06	09:02	08:56	09:39	08:47	08:40
12:40 PM		08:42	08:53	08:57	09:18	08:50	09:27	08:55	09:06	08:26	08:48	09:02
12:50 PM		09:33	08:56	09:29	09:28	09:20	09:03	08:27	09:02	09:02	09:00	08:55
1:00 PM		08:35	08:57	08:49	08:50	09:10	08:59	09:11	09:13	08:56	08:57	08:59
1:10 PM	09:21	08:42	09:06	08:53	09:05	08:20	08:55	08:49	08:50	09:04	09:12	08:35
1:20 PM	09:08	08:36	09:03	08:43	09:05	09:10	08:53	08:49	08:55	09:15		08:41
1:30 PM	09:01	08:28	08:37	08:30	09:16	08:40	09:08	08:50	08:44	08:57	09:01	08:53
1:40 PM	08:45	08:36	08:33	08:47	08:44	08:59	09:08	08:49	08:40	09:43	09:11	08:43
1:50 PM	08:42	08:38	08:55	08:31	08:44	08:54	09:18	08:59	09:10	09:14	09:13	08:40
2:00 PM	08:42	08:40	09:15	08:44	09:19	09:44	09:15	09:11	09:46	09:02	08:51	08:55
2:10 PM	08:51	08:42	09:20	09:14	09:15	09:09	09:23	09:20	09:53	09:25	08:57	09:02
2:20 PM	09:02	09:14	09:02	08:57	08:52	09:18	09:29	09:25	09:12	09:19	09:17	09:19
2:30 PM	08:52	09:40	09:05	09:13	09:23	09:26	09:29	09:42	09:28	09:47	09:42	09:48
2:40 PM	09:04	09:57	09:34	09:14	09:49	09:25	10:38	09:20	10:12	10:16	10:11	10:15
2:50 PM	08:53	09:33	09:46	09:18	09:23	08:54	09:39	09:12	10:15	10:50	09:04	10:03
3:00 PM	08:42	09:34	09:08	08:53	09:35	09:15	09:29	09:13	10:40	09:49	09:18	09:27
3:10 PM	08:41	09:32	09:09	08:54	09:52	08:45	09:29	09:44	09:50	09:59	08:51	09:48
3:20 PM	09:17	08:52	09:40	08:50	09:47	08:49	09:21	09:26	10:54	09:20	09:37	09:37
3:30 PM	09:14	09:29	09:30	09:52	09:26	09:20	09:01	09:37	10:24	09:24	09:26	09:14
3:40 PM	08:43	09:31	09:37	08:58	10:44	09:17	09:12	09:53	13:18	09:21	09:22	09:12
3:50 PM	08:53	09:44	10:32	09:29	09:38	09:24	09:38	09:09	17:55	09:45	09:52	10:02
4:00 PM	09:29	10:00	09:38	09:17	09:19	09:59	09:31	09:49	12:52	10:39	09:59	09:44
4:10 PM	09:08	09:18	09:45	09:41	09:43	09:51	10:52	09:31	15:37	09:54	09:47	09:56
4:20 PM	09:10	10:36	09:47	10:26	10:35	09:21	10:34	10:12	16:25	09:43	09:33	09:26
4:30 PM	09:18	10:11	09:57	08:56	10:23	09:14	09:30	09:33	17:21	09:58	09:59	09:46
4:40 PM	08:44	09:58	10:12	10:04	09:46	09:09	10:17	10:41	20:23	10:16	09:54	09:41
4:41 PM												
4:50 PM	08:58	10:10	10:38	10:15	10:48	11:00	10:30	10:00	20:36	11:51	09:56	10:27
5:00 PM	09:22	10:41	10:32	10:32	11:30	09:58	10:21	10:47	21:31	10:11	09:46	10:53
5:10 PM	09:06	09:40	10:34	09:48	10:12	10:03	10:16	12:27	20:09	10:06	09:53	10:24
5:20 PM	09:33	09:45	10:11	10:06	09:54	10:04	10:11	11:00	16:01	10:26	11:15	10:07
5:30 PM	09:25	10:49	10:25	11:01	10:40	09:51	10:07	11:13	18:25	09:47	10:47	10:04
5:40 PM	09:42	10:53	10:04	10:18	10:47	09:54	10:15	10:31	18:44	11:07	10:27	10:33
5:50 PM	09:26	10:41	10:29	10:02	09:57	09:39	11:10	10:29	17:55	10:09	10:19	10:38
6:00 PM	09:29	10:50	10:05	10:51	10:10	09:03	10:46	10:47	19:24	10:05	10:51	11:05
6:10 PM	09:36	10:22	10:53	10:27	09:57	10:22	10:44	10:41	15:09	09:31	11:01	10:23

ROUTE	Black Mountain Rd SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	08:53	10:01	10:30	09:41	10:51	09:57	10:14	10:30	16:33	09:48	09:58	10:14
6:30 PM	09:07	09:59	09:33	09:58	10:06	09:24	10:19	09:54	12:59	09:08	10:17	10:43
6:40 PM	09:17	09:51	09:28	10:23	10:15	09:16	09:58	09:56	12:24	09:14	09:43	09:26
6:50 PM	08:41	09:28	09:18	09:53	09:41	08:43	09:36	09:09	10:45	09:03	09:09	09:33
7:00 PM	08:40	09:06	08:49	09:06	09:21	08:51	09:57	09:18	09:57	09:09	08:27	09:06
7:10 PM	08:34	09:00	08:44	09:14	09:22	09:02	08:57	08:37	10:26	09:06	08:47	08:53
7:20 PM	08:09	08:40	08:23	09:07	09:10	09:04	09:02	08:49	09:21	08:39	08:24	08:56
7:30 PM	08:40	08:29	08:11	08:32	08:55	08:35	08:42	08:21	08:36	08:26	08:25	08:31
7:40 PM	08:22	08:05	07:58	08:09	08:42	08:12	08:22	08:15	08:44	08:42	08:24	08:41
7:50 PM	08:05	08:12	07:56	07:52	08:25	08:09	08:17	08:22	08:32	09:12	08:13	08:11
8:00 PM	07:49	08:12	07:57	07:55	08:19	08:00	07:49	08:14	08:07	08:56	08:43	08:01
8:10 PM	07:50	08:11	07:42	08:02	08:32	07:57	08:04	08:19	08:06	08:04	08:11	08:12
8:20 PM	07:50	08:00	07:49	07:40	08:35	08:31	08:42	08:00	08:06	08:16	08:01	08:23
8:30 PM	08:07	07:55	07:50	07:55	08:20	08:25	08:17	08:07	08:24	08:22	08:03	08:08
8:40 PM	07:55	07:52	07:32	07:55	08:01	08:08	07:49	07:58	08:21	08:04	07:59	07:56
8:50 PM	07:32	07:49	07:43	07:23	07:44	07:53	07:47	08:04	08:05	08:14	07:49	07:50

	Traction Probe Data Heatmap											
ROUTE	Black Mountain Rd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:08	07:30	06:53	07:06	07:20	06:53	07:32	07:02	07:07	07:18	07:13	07:38
5:20 AM	07:13	07:36	07:05	07:09	07:22	06:57	07:34	07:07	07:05	07:13	07:11	07:40
5:30 AM	07:06	07:31	07:09	07:15	07:20	07:00	07:34	07:38	07:05	07:13	07:04	07:29
5:40 AM	07:28	07:38	07:27	07:23	07:35	07:18	07:27	07:18	07:09	07:24	07:16	07:29
5:50 AM	07:44	07:53	07:48	07:48	07:46	07:25	07:34	07:10	07:14	07:28	07:21	07:33
6:00 AM	07:31	07:38	08:04	07:45	07:41	07:41	07:39	07:17	07:29	07:32	07:26	07:31
6:10 AM	07:52	07:53	08:29	08:02	07:48	07:58	08:06	07:37	07:48	07:44	07:39	07:46
6:20 AM	07:54	08:01	08:20	08:09	08:04	08:01	08:31	08:09	07:54	07:48	07:48	08:06
6:30 AM		08:18	08:18	08:16	08:12	08:07	08:51	08:13	07:58	07:58	08:01	08:14
6:40 AM	08:11	08:27	08:12	08:27	08:27	08:13	08:59	08:05	08:04	08:18	08:23	08:09
6:50 AM	09:08	08:37	08:33	09:00	09:02	09:11	09:19	09:06	08:02	08:59	08:30	08:31
7:00 AM	09:05	08:51	08:55	09:02	09:15	09:01	08:52	08:42	08:08	09:15	08:27	08:58
7:10 AM	09:07	09:27	09:25	09:24	09:56	08:49	09:31	08:56	08:18	09:31	09:24	09:15
7:20 AM	09:43	09:21	09:37	09:28	10:05	10:10	10:18	08:57	08:16	10:00	10:18	10:14
7:30 AM	10:27	11:49	09:42	10:00	10:13	10:29	10:44	08:55	08:34	11:07	10:27	10:16
7:40 AM	10:30	11:08	09:56	10:35	10:55	10:43	11:51	09:13	08:39	10:33	10:26	10:31
7:50 AM	12:36	12:03	10:44	12:21	12:52	12:41	12:36	09:57	08:30	11:45	11:02	10:45
8:00 AM	11:39	12:37	10:28	12:04	12:09	11:46	13:12	09:38	08:45	12:01	10:59	11:43
8:10 AM	11:04	11:23	09:50	11:14	13:18	10:46	13:48	08:59	08:21	11:45	09:53	10:58
8:20 AM	10:53	11:06	09:20	12:14	11:45	10:45	12:57	09:24	08:22	09:38	10:35	09:52
8:30 AM	11:29	10:25	09:35	11:06	10:42	10:25	11:13	08:42	08:40	09:41	09:54	09:51
8:40 AM	10:36		09:33	10:50	10:30	09:46	12:54	09:33	08:53	09:36	10:48	09:32
8:50 AM	09:44	10:52	10:04	11:30	11:26	11:08	11:35	09:01	08:48	10:05	10:50	09:33
9:00 AM	11:26	10:15	09:42	09:59	10:47	10:05	11:12	08:53	08:40	10:02	09:52	09:47
9:10 AM	10:36	09:31	09:07	09:53	10:08	10:08	12:07	08:54	08:37	09:25	09:35	09:17
9:20 AM	09:51	09:25	08:54	09:50	09:42	09:47	11:28	09:05	08:52	10:14	10:16	09:02
9:30 AM	10:03	09:33	09:10	09:37	10:04	09:30	12:09	09:12	09:02	09:43	10:01	09:22
9:40 AM	09:12	09:30	08:32	09:39	09:03	09:27	11:43	08:57	08:34	09:03	09:59	09:24
9:50 AM	09:04	09:04	08:45	08:46	08:45	09:04	10:40	09:02	08:06	08:46	09:40	08:56
10:00 AM	08:48	08:43	08:47	08:27	09:01	09:35	09:31	09:13	08:47	08:47	09:09	08:50
10:10 AM	08:14	08:56	08:44	08:41	09:16	08:53	09:07	09:00	08:26	08:36	08:56	08:20
10:20 AM	08:20	09:03	08:53	08:54	09:22	08:42	08:46	08:50	08:13	08:46	09:01	08:26
10:21 AM							09:08	08:27	08:50	08:48	09:06	08:54
10:30 AM	08:43	08:53	09:02	08:48	08:57	08:56	08:54	08:55	09:00	08:33	08:32	08:31
10:40 AM	08:48	08:32	08:44	09:07	09:16	08:40	09:11	08:52	08:27	08:49	08:44	08:56
10:50 AM	08:36	08:39	08:57	08:38	08:47	08:09	09:02	08:53	08:51	09:14	09:04	09:11
11:00 AM	08:41	08:50	09:11	08:36		08:12	08:54	08:54	08:52	09:06	08:49	09:08
11:10 AM	08:43	09:15	08:40	08:27	09:22	08:35	09:20	09:03	08:34	08:45	08:58	08:47
11:20 AM	08:59	09:12	08:39	09:19	08:41	09:25	09:01	08:38	08:52	08:33	08:45	08:21



ROUTE	Black Mountain Rd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:41	08:57	08:36	09:06	09:10	09:21	09:07	09:11	08:07	09:16	08:25	08:13
11:40 AM	08:37	08:46	08:59	09:06	08:55	08:35	08:42	09:09	08:27	09:31	08:55	08:57
11:50 AM	08:50	09:32	09:07	09:05	08:46	09:07	08:48	08:35	08:39	08:52	09:34	09:11
12:00 PM	09:00	09:07	08:58	08:45	08:48	08:59	08:54	08:52	09:06	09:30	09:07	09:11
12:10 PM	08:54	08:47	09:02	09:05	08:37	08:45	09:22	08:49	08:41	09:03	08:56	09:27
12:20 PM	09:13	09:03	08:46	08:58	08:40	08:41	10:08	08:57	09:04	08:44	09:09	09:03
12:30 PM	09:25	09:38	09:21	09:03	08:30	09:17	09:58	09:43	08:33	09:03	09:10	09:24
12:40 PM	09:35	09:20	09:08	09:15	08:59	09:31	09:29	08:49	08:32	08:25	09:25	09:03
12:50 PM	09:23	09:39	09:10	09:00	08:40	09:11	10:02	09:00	08:27	09:11	09:02	09:29
1:00 PM	08:53	09:31	09:09	09:05	09:08	09:15	09:17	09:25	08:39	08:44	09:06	08:39
1:10 PM	09:15	09:31	09:06	09:45	09:11	08:58	09:00	08:50	08:52	09:11	09:01	09:25
1:20 PM	09:17	08:51	09:13	09:18	08:43	09:09	09:02	08:39	08:25	09:13	08:54	09:09
1:30 PM	08:27	08:45	09:07	09:00	08:52	09:29	09:42	09:08	08:57	09:27	08:50	08:43
1:40 PM	08:47	08:52	08:51	09:07	08:54	09:03	08:50	09:16	08:43	08:57	09:15	08:41
1:50 PM	09:28	08:58	08:52	09:01	09:24	08:55	08:37	09:00	09:04	09:17	08:42	08:57
2:00 PM	09:50	08:58	09:00	09:24	09:14	08:57	08:48	09:17	08:36	09:56	09:05	09:19
2:10 PM	09:15	09:20	09:41	09:41	09:08	08:45	08:59	09:00	08:55	09:15	09:43	08:58
2:20 PM	09:38	09:18	09:33	09:12	09:29	09:08	08:50	09:11	09:27	09:37	10:15	09:35
2:30 PM	09:44	09:32	09:50	09:56	09:43	09:44	09:20	09:31	08:56	09:56	11:12	09:15
2:40 PM	09:45	09:18	09:52	09:47	09:47	09:58	09:09	09:28	08:46	10:11	10:23	09:13
2:50 PM	09:23	09:19	09:35	09:23	09:55	09:38	09:21	09:34	08:59	09:44	09:54	09:27
3:00 PM	09:22	09:00	10:07	09:41	09:53	09:53	08:59	09:37	08:55	09:42	09:24	09:46
3:10 PM	09:43	08:43	09:52	09:27	09:43	10:12	09:32	09:34	08:25	09:10	10:01	10:11
3:20 PM	09:47	10:03	09:30	09:16	09:42	10:03	10:05	09:14	08:20	09:30	09:31	10:07
3:30 PM	09:39	09:25	09:25	09:51	09:36	10:55	09:44	09:18	08:29	09:46	09:38	09:33
3:40 PM	09:45	09:55	10:06	09:03	09:54	11:31	10:10	08:54	08:48	09:32	10:04	10:03
3:50 PM	09:37	09:53	09:36	09:49	09:30	11:12	10:28	09:17	08:53	09:11	09:59	10:12
4:00 PM	09:32	09:32	09:38	09:31	09:37	11:38	09:40	09:29	09:22	09:53	10:02	10:34
4:10 PM	09:33	09:41	10:38	09:47	10:18	12:26	10:02	09:45	09:23	09:29	11:04	09:27
4:20 PM	09:09	10:01	10:27	10:24	10:08	12:54	09:44	09:40	09:13	09:54	10:44	09:44
4:30 PM	09:21	09:59	10:21	10:02	09:55	12:36	10:48	09:43	09:36	09:59	10:10	10:12
4:40 PM	09:55	10:01	10:35	10:57	10:10	12:39	09:33	10:06	09:18	10:47	10:26	10:46
4:41 PM	09:56						10:00	10:42	09:07	10:33	10:33	09:59
4:50 PM	10:04	11:22	09:50	10:53	10:30	13:46	09:29	09:55	09:13	10:25	11:00	10:13
5:00 PM	10:23	10:30	10:40	10:04	10:21	16:26	09:35	10:06	08:57	10:56	10:10	10:48
5:10 PM	10:29	09:39	10:09	09:44	11:27	18:11	10:12	09:38	09:09	10:19	09:27	10:21
5:20 PM	10:17	10:11	10:24	09:49	11:01	18:12	09:27	09:54	09:17	10:41	09:58	09:54
5:30 PM	10:45	10:27	10:45	10:49	11:59	14:14	09:34	10:18	09:12	10:03	09:33	09:37
5:40 PM	10:54	10:40	10:34	10:33	10:49	14:24	09:47	09:50	09:26	09:25	10:10	10:10
5:50 PM	10:00	10:58	10:23	10:51	10:18	13:31	09:46	09:49	09:21	11:14	10:15	10:19
6:00 PM	10:39	10:16	10:21	09:30	10:33	13:10	09:35	09:10	09:31	10:14	10:11	10:00
6:10 PM	09:53	10:53	10:02	09:43	11:00	14:54	09:41	09:24	09:40	09:53	09:55	10:02

ROUTE	Black Mountain Rd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	09:51	10:19	09:42	09:50	09:45	12:47	09:36	09:22	09:17	09:50	10:09	09:35
6:30 PM	10:05	10:43	09:25	09:25	10:35	11:28	09:16	08:57	08:47	09:16	09:19	09:50
6:40 PM	09:42	10:53	09:35	09:15	09:28	10:55	08:53	08:55	08:40	09:31	08:39	09:26
6:50 PM	09:14	10:05	09:39	08:47	09:28	10:58	08:58	08:30	08:37	08:54	08:44	08:55
7:00 PM	08:48	09:32	09:37	08:41	09:30	12:09	08:42	08:37	08:26	09:16	09:04	08:39
7:10 PM	08:44	08:57	09:03	08:42	09:27	10:09	08:07	08:41	08:43	08:33	08:46	08:29
7:20 PM	08:38	08:58	09:17	09:04	08:30	08:51	08:29	08:38	08:18	08:38	08:36	08:14
7:30 PM	08:29	08:49	09:04	08:33	08:31	08:40	08:30	08:41	07:53	08:35	08:29	07:59
7:40 PM	08:23	08:50	08:31	08:25	08:10	08:27	07:44	08:20	08:10	08:20	08:21	07:56
7:50 PM	08:23	08:27	08:34	08:45	08:11	08:39	08:12	08:28	07:51	08:51	08:09	07:43
8:00 PM	08:25	08:19	08:35	08:36	08:10	08:07	08:04	08:32	07:41	08:28	08:06	07:40
8:10 PM	08:24	08:30	08:42	08:10	08:07	08:11	09:00	08:17	07:32	08:44	08:00	08:04
8:20 PM	08:14	08:48	08:55	08:12	08:11	08:02	08:19	08:33	07:30	08:29	08:08	08:01
8:30 PM	08:13	08:24	08:39	08:01	08:05	08:12	08:15	08:17	07:41	08:05	08:13	07:58
8:40 PM	08:15	08:22	08:16	07:58	07:50	08:09						
8:50 PM	08:10	08:06	08:10	07:59	07:40	08:25						

Traction Probe Data Heatmap

ROUTE												
Camino Ruiz NB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		06:35	06:50	06:44	06:40	06:39	06:20	06:42	06:34	07:02	07:00	06:38
5:20 AM		06:49	07:11	06:28	06:30	06:23	06:50	06:40	06:20	07:02	06:50	07:15
5:30 AM		06:39	07:04	06:30	06:28	06:26	06:52	06:48	06:25	07:00	06:53	07:18
5:40 AM		06:31	07:04	06:59	06:51	06:50	07:12	06:44	07:01	07:19	06:57	07:10
5:50 AM		06:37	07:17	06:56	06:55	07:04	07:05	06:51	07:04	07:26	06:59	07:37
6:00 AM		06:33	06:59	06:53	06:56	07:08	07:07	07:00	07:12	07:34	06:47	07:18
6:10 AM		06:45	06:55	06:56	07:23	07:16	07:01	07:01	07:29	07:58	06:56	07:36
6:20 AM		06:56	06:45	07:05	07:14	07:39	07:19	07:11	07:18	07:36	06:56	07:31
6:30 AM		06:57	06:47	06:50	07:21	07:54	07:23	07:19	07:14	07:34	06:45	07:32
6:40 AM		07:06	06:57	07:01	07:17	07:58	07:42	07:18	07:24	07:34	07:23	07:26
6:50 AM		07:02	07:12	07:20	07:32	07:55	07:57	07:44	07:49	07:47	07:19	07:15
7:00 AM		07:07	07:38	07:38	07:40	08:01	07:59	07:39	07:02	07:40	08:10	07:36
7:10 AM		07:46	07:54	07:48	07:51	08:07	07:50	07:51	08:30	08:25	07:34	07:48
7:20 AM		08:56	08:27	08:31	08:24	07:40	08:51	07:53	08:05	09:09	08:06	08:02
7:30 AM		08:28	08:42	08:24	08:20	07:50		08:35	08:07	07:59	08:09	08:00
7:40 AM		08:13	08:23	08:56	08:22	08:15	08:02	08:21	08:06	08:43	08:21	08:23
7:50 AM		08:11	08:43	08:45	08:11	08:33	08:12	08:24	08:18	08:00	08:50	08:38
8:00 AM		08:56	08:51	08:19	08:43	07:54	07:56	08:15	08:27	08:33	08:54	
8:10 AM		08:36	08:37	08:24	08:33	08:45	08:00	08:04	09:01	08:17	08:03	08:24
8:20 AM		08:36	07:44	08:38	08:15	08:13	08:06	08:11	08:49	08:33	08:00	08:10
8:30 AM		08:31	08:02	07:59	08:11	08:25	08:21	08:42	08:24	07:49	07:52	08:07
8:40 AM		07:49	08:17	08:32	08:04	07:46	08:14	08:17	08:02	07:45	08:13	07:37
8:50 AM		07:52	08:03	08:34	08:07	07:37	08:04	07:55	08:35	08:15	07:36	07:40
9:00 AM		08:04	08:03	08:10	07:54	07:39	08:10	07:47	08:17	09:35	07:55	08:13
9:10 AM		07:40	08:10	08:12	08:45	07:13	08:23	07:39	08:19	08:07	08:25	08:26
9:20 AM		07:27	07:52	08:16	09:07	07:19	08:08	07:30	07:54	08:07	08:05	08:31
9:30 AM		07:41	08:03	07:38	08:13	07:10	08:03	07:24	08:04	07:47	07:55	08:03
9:40 AM		08:08	07:40	08:13	07:25	07:29	08:10	07:45	07:25	07:56	07:35	07:55
9:50 AM		07:39	07:41	07:38	07:56	07:54	07:52	07:43	07:20	08:07	07:46	08:00
10:00 AM		07:39	08:14	08:15	07:28	07:41	07:23	07:25	07:16	07:22	07:15	07:22
10:10 AM		07:21	08:22	08:08	07:44	07:53	06:59	07:35	07:58	07:42	07:54	07:16
10:20 AM		07:14	07:45	07:32	07:31	07:14	07:09	07:50	07:25	07:51	07:44	07:35
10:21 AM								07:27				
10:30 AM		07:27	07:44	07:31	07:33	07:30	07:15	07:27	07:38	07:34	07:27	
10:40 AM		07:42	07:27	07:48	07:34	07:18	07:26	07:39	07:59	07:37	07:51	07:34
10:50 AM		07:58	07:41	08:36	07:28	07:44	07:05	07:31	07:32	07:56	07:59	07:36
11:00 AM		08:00	07:18	07:39	07:51	07:43	06:59	07:21	07:22	07:51	07:53	07:25
11:10 AM		08:04	07:54	07:15	07:29	07:30	07:12	07:36		07:23	07:45	07:47
11:20 AM		07:49	08:16	07:19	07:39	07:06	07:34	07:42	07:16	07:30	07:30	07:14

ROUTE		Camino Ruiz NB											
		TRAVEL TIME											
TOD		1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM			07:13	07:16	07:37	07:24	07:17	07:33		07:15	08:03	07:26	07:21
11:40 AM			08:04	07:12	07:28	07:45	07:37	07:41	07:37	07:26	08:03	07:33	07:23
11:50 AM			07:40	07:09	07:37	08:01	07:49	07:20	07:45	07:43	07:47	07:35	07:42
12:00 PM			07:52	07:32	07:03	08:10	07:30	07:29	07:22	07:57	08:16	07:37	07:40
12:10 PM			07:41	07:21	07:52	07:56	07:51	07:36	07:32	07:41	08:29	07:47	07:31
12:20 PM			07:52	07:40	07:31	07:46	07:27	07:21	07:13	07:45	07:26	07:52	07:29
12:30 PM			08:22	07:41	07:49	08:06	07:29	07:04	07:36	08:02	07:32		07:14
12:40 PM			08:25	07:44	07:55	08:10	07:07	07:10	07:17	07:43	07:29	07:40	07:21
12:50 PM			08:12	07:46	08:33	08:24	07:43	07:50	07:27	07:39	07:22	07:15	07:39
1:00 PM			08:06	08:06	08:58	07:31	07:35	07:42	08:32	07:39	07:27	07:28	07:59
1:10 PM	08:33	07:48	08:12	08:11	08:02	07:45	07:45	07:47	07:47	07:45	07:44	07:49	07:56
1:20 PM	08:28	08:01	07:55	07:47	08:42	07:35	08:05	08:00	08:00	08:14	08:29		07:44
1:30 PM	08:42	08:11	07:45	08:00	07:54	07:49	08:36	07:37	07:37	07:56	08:12	07:58	07:52
1:40 PM	08:03	08:03	08:07	08:00	08:06	08:52	07:36	07:36	07:40	07:51	08:33	08:32	07:41
1:50 PM	08:01	08:02	08:11	08:46	08:18	08:54	08:06	08:06	07:57	08:04	08:33	08:14	07:34
2:00 PM	08:13	08:09	07:56	07:55	08:14	08:36	08:04	08:04	07:53	08:35	08:30	08:11	08:10
2:10 PM	08:13	07:48	08:34	08:12	08:43	08:12	08:07	08:07	08:26	08:43	08:22	08:09	08:41
2:20 PM	08:22	08:06	08:25	08:03	09:04	08:46	08:27	08:27	08:33	09:04	08:01	07:37	08:12
2:30 PM	08:40	08:31	08:21	08:33	08:44	08:07	08:24	08:24	08:30	09:18	08:44		08:39
2:40 PM	08:01	08:27	08:18	08:33	08:58	08:26	08:51	08:51	08:48	09:49	09:02	08:15	09:37
2:50 PM	08:06	09:04	08:52	08:50	09:00	08:25	08:50	08:50	09:14	09:42	09:03	08:15	08:53
3:00 PM	08:12	09:41	09:02	08:27		08:10	09:36	09:36	09:08	09:09	08:57		08:29
3:10 PM	08:43	10:25	09:02	08:55	09:13	08:15	09:55	09:55	08:42	09:17	08:36	07:59	08:52
3:20 PM	07:48	09:10	09:21	08:56	09:26	08:22	08:39	08:39	08:47	09:17	08:34	08:33	08:50
3:30 PM	08:00	09:58	08:59	08:39	08:33	08:25	08:48	08:48	08:33	08:58	08:33	08:34	08:25
3:40 PM	07:57	09:02	08:23	08:23	08:34	08:20	08:49	08:49	08:23	08:34	08:23	08:21	08:42
3:50 PM	08:27	09:25	08:32	08:19	08:35	08:13	08:35	08:35	08:08	09:04	08:11	08:07	08:31
4:00 PM	08:43	08:56	08:25	08:12	08:17	08:16	08:28	08:28	08:33	08:37	08:30	08:55	08:19
4:10 PM	08:30	09:05	08:34	08:27	08:24	08:09	08:25	08:25	09:06	09:01	08:57	08:26	08:30
4:20 PM	09:19	08:56	08:43	08:15	08:42	08:07	08:21	08:21	08:36	09:17	08:54	08:19	08:52
4:30 PM	08:56	08:40	08:40	08:46	09:09	08:22	08:42	08:42	08:40	09:44	09:19	08:42	09:02
4:40 PM	08:38	08:47	09:26	08:05	08:49	08:48	09:01	09:01	08:48	09:24	09:15	08:27	09:01
4:41 PM													
4:50 PM	08:27	09:14	09:20	09:20	09:04	08:40	08:55	08:55	09:07	09:27	08:55	09:06	08:31
5:00 PM	08:29	09:06	08:35	09:39	08:35	09:38	08:48	08:48	09:27	09:06	08:23	09:15	09:41
5:10 PM	08:33	09:06	09:01	09:27	09:43	08:49	09:19	09:19	08:50	09:03	08:27	09:45	09:56
5:20 PM	08:41	09:32	09:37	09:10	09:22	09:16	09:07	09:07	09:26	08:41	09:14	09:10	09:33
5:30 PM	08:38	09:02	08:46	09:51	09:19	09:27	09:25	09:25	08:35	08:58	08:54	09:03	09:39
5:40 PM	09:00	09:38	09:04	08:56	09:46	08:59	09:31	09:31	08:50	09:35	10:38	09:16	08:59
5:50 PM	09:02	08:55	09:20	09:15	09:54	08:57	09:18	09:18	09:30	08:55	09:26	09:24	09:24
6:00 PM	08:19	08:42	09:00	09:15	09:15	08:48	09:07	09:07	09:23	08:58	09:05	09:43	09:32
6:10 PM	08:07	08:50	08:46	09:22	09:37	08:32	08:53	08:53	09:08	09:29	09:09	08:24	08:48

ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	07:58	08:13	08:49	08:40	08:30	08:44	08:39	09:30	09:23	09:46	08:53	08:56
6:30 PM	08:26	08:41	08:55	08:36	08:48	08:34	08:31	08:35	09:17	09:29	09:02	08:48
6:40 PM	08:05	08:17	08:24	08:23	08:08	08:06	08:56	08:32	08:47	08:47	08:14	08:12
6:50 PM	07:50	08:02	08:17	08:32	08:27	08:06	07:40	08:07	08:27	07:57	08:03	07:55
7:00 PM	07:43	07:46	08:25	08:28	08:20	07:54	07:43	07:46	08:55	07:59	07:39	07:35
7:10 PM	07:24	07:57	07:47	07:51	08:41	08:11	07:59	07:39	08:26	07:59	07:16	08:13
7:20 PM	07:38	07:47	07:52	07:38	07:33	08:09	07:41	07:23	08:01	07:50	06:58	07:28
7:30 PM	07:35	07:49	07:41	07:44	07:32	07:12	07:28	07:35	07:53	07:57	06:56	08:09
7:40 PM	07:31	08:25	08:11	07:22	07:57	07:03	07:26	07:35	08:11	07:30	07:02	07:26
7:50 PM	07:24	08:50	07:16	07:48	08:16	07:26	07:13	07:22	07:38	08:03	06:56	07:33
8:00 PM	08:00	07:22	07:26	07:47	07:28	07:07	07:34	07:12	07:29	07:37	07:20	07:23
8:10 PM	07:37	07:19	07:14	07:12	07:06	06:50	07:07	06:57	07:29	07:17	07:41	07:39
8:20 PM	07:11	07:40	06:53	06:57	07:32	07:01	07:05	07:12	07:17	07:31	07:34	07:22
8:30 PM	07:03	07:41	07:13	07:05	07:03	07:02	06:55	07:11	07:28	07:08	07:23	07:07
8:40 PM	07:13	07:24	07:29	07:18	07:17	07:02	07:22	06:58	07:34	07:02	07:19	07:32
8:50 PM	07:10	07:42	07:05	07:22	07:13	06:54	07:21	07:03	06:41	07:03	07:29	07:19



	Traction Probe Data Heatmap											
ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:01	07:05	06:28	06:42	06:24	06:45	06:58	06:48	06:17	06:24	06:30	07:08
5:20 AM	07:12	06:43	06:27	06:32	07:03	06:57	06:53	06:49	06:13	06:54	06:55	07:01
5:30 AM	07:01	07:03	06:22	06:45	06:48	06:44	06:51	06:49	06:20	06:49	06:50	07:06
5:40 AM	07:18	07:20	06:52	06:55	07:03	06:51	06:58	07:10	06:51	07:19	06:47	07:23
5:50 AM	07:20	07:16	07:09	06:59	06:47	07:07	07:02	06:57	06:51	07:41	06:59	07:13
6:00 AM			07:18	06:50	06:51	07:07	06:57	06:56	06:43	07:34	07:03	07:14
6:10 AM	07:15	07:21	07:15	06:54	06:53	07:25	06:59	07:01	06:43	07:36	07:15	06:59
6:20 AM	07:14	07:24	07:12	06:51	06:58	07:30	07:09	07:03	06:43	07:30	07:01	07:00
6:30 AM		07:28	07:18	07:05	07:02	07:04	07:08	06:55	06:42	07:43	07:03	07:16
6:40 AM	07:22	07:36	07:26	07:32	07:28	07:09	07:28	07:10	07:00	07:45	06:38	07:09
6:50 AM	07:48	07:36	07:30	07:21	07:29	08:19	07:45	07:26	07:28	07:30	07:50	07:28
7:00 AM	07:32	07:34	07:40	07:18	07:04	07:25	07:51	07:24	07:18	07:53	07:10	07:45
7:10 AM	08:05	08:23	08:27	07:31	07:57	07:39	07:54	07:40	07:12	08:03	07:39	07:50
7:20 AM	08:19	08:15	08:34	08:21	08:04	08:17	08:04	07:36	07:05	08:11	08:16	08:06
7:30 AM	08:25	08:36		08:37	08:12	08:18	08:13	07:52	06:58	08:20	08:09	07:24
7:40 AM	08:37	08:23	08:46	08:27	08:38	08:23	09:13	08:05	07:27	08:01	08:28	08:07
7:50 AM	08:24	09:08	09:56	08:32	09:11	08:30	08:38	07:56	07:22	08:58	08:35	08:11
8:00 AM	08:19	08:35	09:00	08:15	08:33	07:49	08:45	07:51	07:28	08:41	07:52	08:19
8:10 AM	08:30	08:26	08:15	08:09	08:22	08:13	08:42	07:44	07:27	08:24	07:48	08:06
8:20 AM	08:37	08:31	08:19	08:16	09:09	09:05	08:40	07:35	07:30	08:16	07:50	07:52
8:30 AM	08:42		08:40	08:39	08:27			07:49	07:47	07:54	08:21	08:02
8:40 AM	08:30		07:51	08:32	08:00	08:23	08:49	07:41	07:28	07:39	08:33	07:30
8:50 AM	09:17	08:00	08:30	08:16	08:21	07:51	09:11	07:43	07:36	07:46	08:04	07:49
9:00 AM	08:50	08:22	08:28	08:16		07:40	09:20	08:02	07:39	08:21	08:00	07:16
9:10 AM	08:39	08:18	08:10	07:49	08:09	07:35	10:10	08:14	07:28	08:05	08:02	07:36
9:20 AM	08:02	08:02	08:08	08:09	07:38	07:53	08:43	07:59	07:19	08:01	07:53	07:27
9:30 AM	07:39	07:39	07:36	07:52	08:19	07:50	08:42	07:49	07:41	08:18	07:48	07:43
9:40 AM	07:45	07:52	07:25	07:37	07:38	07:45	08:19	08:13	07:24	07:40	07:36	08:11
9:50 AM	07:20	07:42	07:11	07:34	07:37	07:21	08:17	08:09	07:48	07:35	07:18	07:47
10:00 AM	08:08	07:34	07:40	07:50	08:00	07:28	07:45	07:51	07:27	07:32	07:37	07:39
10:10 AM	07:34	07:05	07:45	07:46	07:40	07:39	07:57	07:36	07:49	07:28	07:35	07:42
10:20 AM	07:45	07:22	07:30	07:47	07:32	08:04	07:43	07:33	07:32	07:32	07:40	07:25
10:21 AM							07:17	07:47	07:28	07:21	07:34	07:38
10:30 AM	07:33	07:46	07:40	07:52	07:12	07:16	08:08	07:29	07:33	07:33	07:42	07:27
10:40 AM	07:46	07:38	07:52	07:36	07:17	07:39	07:40	07:17	07:31	07:36	08:07	07:46
10:50 AM	07:47	07:17	07:55	07:19	07:22	07:42	08:08	07:14	06:56	07:33	07:50	07:20
11:00 AM	07:46	07:10	07:52	07:45		07:48	08:00	07:19	07:24	07:28	07:43	07:22
11:10 AM	07:39	07:09	07:46	07:42	07:09	07:58	08:09	07:19	07:45	07:41	07:19	07:35
11:20 AM	08:20	07:01	08:03	07:16	07:14	07:32	08:02	07:35	07:44	07:35	07:19	07:26

ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	07:22	07:18	08:10	07:17	07:08	07:58	07:44	07:43	07:42	07:38	07:20	07:48
11:40 AM	07:17	07:37	07:17	07:34	07:18	07:53	07:44	08:11	07:39	07:35	07:24	07:32
11:50 AM	07:22	07:43	08:03	07:17	07:23	07:42	07:37	07:23	07:17	07:55	07:27	07:18
12:00 PM	07:33		07:46	07:14	07:42	07:42	07:42	07:31	07:31	07:15	07:29	07:42
12:10 PM	07:50	07:34	07:59	07:34	08:10	08:03	07:31	07:21	07:47	07:52	07:40	07:42
12:20 PM	07:29	07:43	07:36	07:43	07:50	07:29		07:32	07:10	07:30	07:45	07:43
12:30 PM	07:27	07:30	07:52	07:54	08:03	07:49	07:58	07:50	08:14	07:46	07:59	07:41
12:40 PM	07:56	08:03	07:38	08:20	07:42	07:54	08:02	07:23	07:36	07:43	07:31	07:43
12:50 PM	07:49	08:03	07:56	07:43	07:22	07:41	07:41	07:29	07:30	07:48	07:24	07:22
1:00 PM	07:40	07:38	07:50	08:25	07:47	07:54	07:49	07:41	07:41	07:52	07:25	07:32
1:10 PM	07:51	07:34	07:34	08:20	07:42	07:50	08:01	07:37	07:29	07:34	07:55	07:44
1:20 PM	07:30	07:45	07:52	08:30	07:46	07:57	07:55	07:38	08:03	07:30	07:44	07:42
1:30 PM	07:37	08:19	08:00	07:53	08:03	07:48	08:21	07:42	07:45	08:06	07:47	08:04
1:40 PM	07:52	07:57	07:57	08:10	07:35	07:23	08:15	08:29	07:50	08:01	07:31	07:58
1:50 PM	07:48	07:57	08:24	08:24	07:54	07:49	08:01	08:35	08:05	07:46	07:37	08:13
2:00 PM	07:59	07:42	08:03	08:14	07:34	08:10	08:33	08:06	07:31	08:30	08:05	08:29
2:10 PM	07:56	08:01	08:19	08:24	07:59	08:01	08:23	08:08	08:06	08:41	08:00	08:38
2:20 PM	07:53	08:15	08:27	08:06	08:13	08:27	08:39	08:17	08:07	08:08	08:57	07:53
2:30 PM	08:26	07:46	08:38	07:56	08:18	08:43	09:13	08:34	07:51	08:17	08:41	09:03
2:40 PM	08:57	08:28	09:11	08:09	08:40	08:38	09:32	08:04	08:02	08:59	09:02	08:29
2:50 PM	08:46	09:16	09:23	08:24	09:01	09:22	09:31	08:09	07:39	09:22	08:48	08:46
3:00 PM	08:36			08:20	09:23	09:04	09:06	08:16	07:47	09:11	08:32	08:44
3:10 PM	09:04	08:28	08:55	08:17	08:54	09:26	08:48	08:36	07:50	08:42	08:42	08:48
3:20 PM	08:27	08:32	09:09	08:33	08:56	09:13	08:47	08:42	08:14	08:12	08:27	09:00
3:30 PM	08:12	08:41	08:50	08:12	08:34	09:33	08:50	07:45	08:01	08:48	07:49	08:48
3:40 PM	08:41	08:26	08:57	08:18	08:24	09:11	08:14	07:50	07:37	08:16	07:59	08:22
3:50 PM	09:06	08:20	08:29	08:06	08:36	08:51	08:45	08:07	07:22	08:12	08:02	08:28
4:00 PM	08:57	08:17	09:56	08:17	08:38	08:32	08:13	07:48	08:11	07:59	07:59	07:54
4:10 PM	08:19	08:31	09:40	08:31	09:00	08:37	09:25	08:35	08:23	08:43	07:54	08:37
4:20 PM	08:14	09:37	09:21	08:41	08:58	08:44		08:13	08:09	08:27	08:20	08:01
4:30 PM	08:55	09:00	08:57	08:48	09:14	08:23	08:22	08:10	08:06	08:55	08:20	08:27
4:40 PM	08:20	08:10	09:19	09:04	08:52	09:18	08:08	08:07	08:02	09:07	08:24	08:57
4:41 PM	08:40						08:28	08:45	08:28	08:42	09:31	08:28
4:50 PM	08:26	08:43	09:18	08:57	09:20	09:15	08:34	08:44	07:56	08:51	08:36	08:34
5:00 PM	09:26	08:45	09:35	08:50	08:48		08:39	08:26	08:12	08:37	08:27	07:52
5:10 PM	08:36	10:09	08:51	09:04	08:58	09:11	08:50	09:10	08:26	09:02	08:34	09:28
5:20 PM	08:53	09:14	09:42	09:28	09:40	09:23	08:51	08:42	09:03	08:49	08:14	09:24
5:30 PM	09:19	09:16	09:06	09:14	09:34	09:07	09:09	08:28	08:14	08:57	08:36	09:00
5:40 PM	08:30	09:16	09:26	09:16	10:08	09:08	08:18	08:23	08:34	08:41	08:00	08:59
5:50 PM	09:05	08:39	10:04	08:34	08:44	09:45	07:42	08:38	08:25	08:38	08:35	08:12
6:00 PM	08:39	09:45	08:54	08:26	08:35	09:22	08:05	08:54	08:24	09:07	08:32	08:37
6:10 PM	08:50	09:32	09:02	08:29	08:59	09:39	08:25	08:03	08:33	08:56	08:53	07:58



ROUTE	Camino Ruiz NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	08:34	08:39	09:01	08:34	08:23	09:12	08:31	08:34	07:59	08:13	08:05	07:57
6:30 PM	08:48	08:33	08:46	08:13	08:37	09:50	08:00	07:48	07:34	08:05	08:16	08:00
6:40 PM	08:26	08:25	08:27	08:05	08:25	09:03	08:06	07:47	07:18	08:06	08:00	07:18
6:50 PM	08:10	08:13	08:02	08:36	08:51	08:34	07:35	07:18	07:50	07:56	08:10	07:52
7:00 PM	07:56	08:14	08:09	07:54	07:20	08:30	07:44	07:23	07:24	07:31	08:31	07:35
7:10 PM	07:53	08:02	08:03	07:56	07:53	08:03	07:39	07:40	07:16	07:42	08:01	07:41
7:20 PM	07:37	07:46	08:16	07:21	08:27	08:23	07:25	07:07	07:01	07:27	07:33	07:55
7:30 PM	07:18	07:50	08:26	07:07	07:37	08:06	07:42	07:35	06:53	07:16	07:36	07:36
7:40 PM	07:50	07:38	07:47	07:09	07:39	08:01	07:30	07:45	07:13	07:33	07:33	07:28
7:50 PM	07:31	07:42	07:40	07:05	07:34	07:24	07:08	07:33	07:13	07:05	07:23	07:51
8:00 PM	07:17	07:28	08:23	07:14	07:19	07:15	07:36	07:51	07:19	06:40	07:01	07:02
8:10 PM	07:23	06:58	07:53	07:15	07:03	07:07	07:35	07:30	07:01	06:53	07:13	06:56
8:20 PM	07:13	06:55	07:37	07:15	07:33	07:44	07:16	07:14	07:22	06:50	07:12	06:38
8:30 PM	07:10	06:52	07:19	07:16	07:18	07:24	07:40	07:21	06:43	07:15	07:16	06:53
8:40 PM	07:04	07:35	06:56	07:09	07:12	07:25						
8:50 PM	07:11	07:19	06:54	06:58	07:07	07:19						

Traction Probe Data Heatmap

ROUTE												
Camino Ruiz SB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		06:53	06:21	06:52	06:51	06:52	06:39	06:34	06:49	07:18	06:48	07:00
5:20 AM		06:56	06:29	06:57	06:43	06:40	06:56	06:53	06:53	07:18	06:38	07:20
5:30 AM		07:04	06:51	07:04	07:05	06:31	07:03	06:41	07:12	07:14	06:50	07:30
5:40 AM		07:15	07:07	07:31	07:13	06:56	07:08	07:05	07:17	07:38	07:14	07:47
5:50 AM		07:15	07:26	07:39	07:05	07:06	06:56	07:12	07:38	07:38	07:11	07:40
6:00 AM		07:49	07:42	07:43	07:19	07:02	07:02	07:30	07:35	07:58	07:26	07:40
6:10 AM		07:57	07:44	07:41	07:25	07:07	07:19	07:53	07:48	07:31	07:54	07:49
6:20 AM		08:00	07:55	07:29	07:40	07:06	07:35	08:05	07:45	07:44	07:47	07:57
6:30 AM		08:01	07:50	07:42	07:35	07:21	07:57	08:14	07:41	07:41	08:20	07:55
6:40 AM		08:12	07:38	07:47	07:29	07:34	08:07	07:53	07:45	07:52	08:00	08:15
6:50 AM		08:03	08:04	08:30	07:44	07:39	07:41	08:12	07:57	08:00	08:10	08:01
7:00 AM		08:41	08:19	08:09	08:01	08:06	08:12	08:37	07:48	08:21	08:00	08:08
7:10 AM		07:54	08:55	08:42	08:28	08:16	08:36	09:03	08:24	08:06	07:57	08:47
7:20 AM		08:37	08:55	09:15	08:46	08:51	09:52	08:55	08:52	08:54	08:44	09:20
7:30 AM		09:43	09:23	09:33	09:02	09:47	09:18	08:51	09:23	08:58	09:04	09:55
7:40 AM		09:25	10:03	09:30	09:24	08:51	08:57	09:05	09:17	09:43	08:55	09:52
7:50 AM		09:42	10:11	09:45	09:54	10:10	10:02	09:13	09:19	10:23	09:24	09:37
8:00 AM		09:46	09:38	09:37	09:29	09:28	10:00	09:44	09:42	09:22	10:41	08:55
8:10 AM		09:30	09:10	08:39	08:53	09:03	08:56	08:54	08:40	08:42	09:17	08:30
8:20 AM		09:11	08:41	09:01	08:42	09:13	08:58	08:56	09:08	08:43	09:13	08:36
8:30 AM		08:14	09:08	08:47	08:19	08:47	09:09	08:50	08:33	08:52	08:45	08:58
8:40 AM		08:23	08:44	08:27	09:06	08:57	09:13	08:22	08:28	08:54	08:54	08:44
8:50 AM		08:09	08:40	08:38	08:47	08:41	08:49	08:25	08:45	09:11	08:28	08:39
9:00 AM		08:13	08:20	08:38	08:40	08:36	08:30	08:11	08:28	08:40	08:29	08:36
9:10 AM		08:13	08:24	07:58	08:56	08:09	08:59	08:45	08:17	08:50	08:40	08:55
9:20 AM		08:22	08:24	08:22	09:08	08:22	09:22	08:37	08:43	09:04	08:33	08:43
9:30 AM		08:11	08:34	08:04	08:31	08:21	09:27	08:37	08:54	08:49	08:20	09:19
9:40 AM		08:30	08:30	08:45	08:27	08:11	08:36	08:28	08:38	08:38	08:31	08:53
9:50 AM		08:24	08:40	08:21	08:07	08:42	08:18	07:53	08:08	08:07	08:46	08:57
10:00 AM		08:35	08:05	07:58	08:51	08:52	07:57	08:04	08:12	08:24	08:46	08:51
10:10 AM		08:16	08:11	08:35	08:11	08:24	08:08	07:42	08:08	08:24	08:43	08:35
10:20 AM		08:04	08:06	09:10	08:18	08:35	08:38	07:55	08:36	08:44	08:13	08:15
10:21 AM								07:49				
10:30 AM		08:16	08:33	08:39	08:38	08:36	08:34	07:44	08:32	08:30	08:10	08:13
10:40 AM		08:25	08:10	08:48	08:40	08:37	08:48	08:13	08:58	09:32	07:57	08:14
10:50 AM		08:26	08:06	08:22	08:40	08:19	08:48	08:26	09:09	09:37	08:25	08:19
11:00 AM		08:47	08:29	08:37	08:15	08:28	08:52	08:11	09:18	09:09	08:14	08:14
11:10 AM		08:26	08:10	08:04	08:43	08:56	08:52	07:54		08:57	08:03	07:43
11:20 AM		08:52	07:36	08:08	08:34	08:39	08:49	07:33	08:23	08:45	08:18	08:58

ROUTE	Camino Ruiz SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:37	08:03	08:29	08:18	07:46	08:51	07:32	08:39	08:11	08:16	08:33
11:40 AM		08:31	08:37	07:42	08:24	07:43	08:15	08:39	08:44	08:18	08:47	08:23
11:50 AM		08:19	08:12	08:00	08:35	08:24	08:18	08:36	08:50	08:36	08:29	08:24
12:00 PM		08:20	08:17	08:11	08:25	08:18	08:35	08:46	08:49	09:03	08:26	08:08
12:10 PM		08:13	08:34	08:10	09:00	08:31	08:39	08:37	08:22	08:50	08:16	08:12
12:20 PM		07:57	08:44	08:12	08:57	07:59	08:22	08:49	08:34	08:26	08:32	08:06
12:30 PM		08:06	08:59	08:43	08:44	08:03	08:40	08:47	09:03	08:42	08:55	08:14
12:40 PM		07:56	08:39	08:11	08:33	08:07	08:17	08:25	08:46	08:47	09:05	08:29
12:50 PM		08:23	08:49	08:48	08:53	08:11	08:22	09:00	08:11	09:33	09:51	08:36
1:00 PM		08:19	08:49	08:22	09:03	08:01	08:47	09:24	08:42	08:47	09:45	08:11
1:10 PM	07:57	08:34	08:44	08:25	08:29	08:05	09:00	09:05	08:20	09:14	09:07	08:44
1:20 PM	08:04	08:31	08:39	09:11	08:38	07:54	08:30	08:52	08:41	08:58		09:08
1:30 PM	08:36	08:33	08:25	09:07	08:39	08:13	08:56	08:48	08:27	08:46	08:44	09:01
1:40 PM	08:31	08:42	08:31	09:01	08:33	08:55	08:22	08:24	08:35	08:43	08:57	08:54
1:50 PM	08:59	08:42	08:13	08:58	08:48	09:10	08:20	08:38	09:09	08:47	08:49	08:50
2:00 PM	08:37	09:17	09:01	08:58	09:26	09:10	08:35	08:47	08:59	09:13	09:17	08:21
2:10 PM	08:49	09:11	08:42	08:55	08:46	08:55	08:56	09:20	09:09	09:21	09:23	09:14
2:20 PM	08:44	09:36	09:01	08:37	09:23	09:20	09:28	09:39	09:23	09:59	08:53	09:42
2:30 PM	08:42	09:43	09:02	08:32	10:14	09:30	09:50	09:34	10:50	10:08	09:37	10:11
2:40 PM	08:46	10:06	08:58	09:02	10:39	09:15	09:57	10:03	10:26	10:46	09:13	10:10
2:50 PM	08:51	10:02	09:36	09:48	10:37	09:05	10:32	09:56	12:22	11:05	09:34	10:00
3:00 PM	08:30	09:27	10:07	09:02	10:22	09:01	09:58	09:32	11:43	10:47	09:18	09:35
3:10 PM	08:34	09:27	09:14	09:14	09:43	09:12	09:18	09:21	12:04	10:47	09:13	09:01
3:20 PM	08:44	09:46	09:25	09:11	09:30	08:48	09:26	09:18	12:35	09:48	09:54	08:38
3:30 PM	08:07	09:55	09:04	08:45	09:21	09:05	09:29	09:05	13:00	09:39	09:06	08:51
3:40 PM	08:48	09:42	08:49	08:57	09:27	08:35	09:41	08:33	14:56	10:06	09:51	08:51
3:50 PM	08:40	09:07	09:07	09:27	10:21	08:54	09:08	08:45	14:06	09:20	08:57	09:02
4:00 PM	08:36	10:02	10:20	10:00	10:06	09:24	09:22	09:51	12:18	08:53	08:34	09:42
4:10 PM	08:07	10:09	10:33	09:21	10:25	09:03	09:42	08:42	14:06	09:26	09:49	10:06
4:20 PM	08:33	10:06	09:30	09:24	09:44	08:42	11:04	09:38	14:20	09:31	10:35	09:33
4:30 PM	08:49	10:07	09:29	09:25	09:38	08:55	09:57	08:23	15:34	09:41	09:13	09:58
4:40 PM	09:17	10:03	09:38	09:38	09:44	08:50	10:08	09:59	16:13	09:41	08:58	08:34
4:41 PM												
4:50 PM	08:45	10:00	10:58	10:19	10:31	08:56	11:36	11:06	14:02	10:05	09:23	08:45
5:00 PM	09:04	10:20	11:08	10:05	10:41	08:42	12:48	10:14	14:41	09:44	09:39	08:41
5:10 PM	08:56	10:39	10:17	09:40	10:54	08:42	12:28	11:23	16:38	09:51	09:30	09:52
5:20 PM	08:45	10:57	10:38	10:04	10:25	09:14	11:19	10:00	16:14	09:38	09:31	10:00
5:30 PM	08:28	09:58	10:54	11:23	10:11	09:23	09:52	10:52	16:06	09:43	09:47	10:33
5:40 PM	09:08	10:16	10:58	10:05	12:22	08:59	10:00	10:41	13:39	09:24	09:33	09:37
5:50 PM	08:31	10:57	10:39	09:42	13:31	09:03	10:22	10:41	11:49	09:37	09:40	09:26
6:00 PM	08:47	09:13	09:52	09:42	10:22	08:55	10:38	10:19	13:52	09:14	09:22	09:07
6:10 PM	09:01	09:27	11:07	09:04	10:01	09:17	10:16	09:57	12:18	09:25	09:42	09:13

ROUTE	Camino Ruiz SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	08:06	08:45	10:06	08:58	09:20	09:03	10:10	08:47	15:19	08:54	08:53	09:18
6:30 PM	08:08	09:00	08:51	08:28	08:41	08:44	08:50	09:05	13:18	09:04	09:08	08:52
6:40 PM	08:20	08:54	08:55	09:42	09:01	08:55	08:31	08:56	12:33	08:49	09:21	09:53
6:50 PM	08:05	08:45	08:47	09:34	08:45	08:45	08:39	08:42	10:38	08:30	09:03	08:36
7:00 PM	08:29	08:57	08:13	09:25	08:52	08:43	08:41	08:20	09:50	08:52	09:01	08:28
7:10 PM	08:07	08:41	08:31	09:07	08:34	08:45	08:17	08:22	09:01	08:42	08:31	08:09
7:20 PM	07:55	08:46	08:01	09:01	08:37	08:20	08:28	08:39	08:31	08:43	08:25	08:07
7:30 PM	08:14	08:36	08:06	08:14	08:19	08:06	08:30	07:51	08:27	08:37	08:59	08:02
7:40 PM	07:53	08:14	08:01	07:56	08:13	08:09	07:57	07:47	08:05	08:16	08:30	07:45
7:50 PM	07:34	08:10	07:53	08:02	08:22	07:53	07:49	07:46	08:27	07:48	08:32	07:51
8:00 PM	07:37	07:46	07:39	08:09	08:18	07:55	07:55	08:06	08:09	07:53	08:24	07:48
8:10 PM	07:48	07:53	07:29	08:21	08:08	07:51	07:59	07:59	08:12	07:51	08:01	07:59
8:20 PM	07:32	08:20	07:31	08:24	08:11	07:38	08:08	08:22	08:16	07:57	07:48	07:56
8:30 PM	07:49	08:22	07:36	08:13	07:41	07:41	07:56	08:03	08:12	08:04	07:50	08:07
8:40 PM	07:44	07:40	07:47	07:34	08:10	07:36	07:35	08:04	08:00	08:04	07:54	07:42
8:50 PM	07:39	07:36	08:02	07:42	07:57	07:24	07:19	07:29	07:56	07:45	08:01	07:32

Traction Probe Data Heatmap												
ROUTE	Camino Ruiz SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	06:39	06:29	06:50	07:03	06:44	06:52	07:09	07:13	07:43	06:58	06:34	06:51
5:20 AM	06:47	06:35	06:46	06:42	06:58	06:57	07:28	07:19	07:45	06:55	06:44	07:06
5:30 AM	06:55	06:47	06:49	06:49	07:08	06:49	07:36	07:09	07:30	07:13	06:54	07:18
5:40 AM	07:19	07:08	06:52	07:14	07:23	07:04	07:16	07:26	07:34	07:39	07:09	07:34
5:50 AM	07:30	07:15	06:57	07:11	07:39	07:26	07:30	07:34	06:59	07:44	07:32	07:27
6:00 AM	07:43	07:16	07:21	07:09	07:42	07:36	07:19	07:33	06:53	07:48	07:35	07:19
6:10 AM	07:24	07:32	07:29	07:26	07:41	07:39	07:31	07:31	07:02	08:00	07:22	07:29
6:20 AM	07:43	07:33	07:38	07:29	07:40	07:12	07:33	07:40	06:49	07:44	07:43	07:46
6:30 AM		08:01	07:27	07:32	07:36	07:31	07:44	07:49	06:51	07:37	07:53	07:37
6:40 AM	08:05	08:19	07:44	07:25	07:31	07:19	07:40	07:44	07:04	07:44	07:56	07:43
6:50 AM	07:50	08:05	07:47	07:43	07:45	07:35	08:24	07:52	07:10	08:06	08:12	07:35
7:00 AM	08:35	08:20	08:27	07:56	07:52	07:37	08:31	07:39	07:38	07:49	08:07	07:51
7:10 AM	08:42	08:17	08:05	08:14	08:44	08:10	09:30	07:54	07:26	08:15	08:25	08:39
7:20 AM	09:08	09:35	09:55	09:20	09:13	09:03	10:15	07:48	07:42	09:06	09:57	09:30
7:30 AM	09:25	09:17	08:56	09:17	09:33	09:24	10:11	08:19	08:14	09:02	09:29	09:31
7:40 AM	09:03	10:03	08:52	09:00	09:08	09:01	10:01	08:15	08:06	09:10	09:02	09:43
7:50 AM	09:56	09:57	09:17	09:33	10:17	08:51	10:30	09:33	08:04	09:16	09:23	09:44
8:00 AM	09:39	09:57	10:09	09:24	09:31	09:03	09:25	08:54	08:26	08:54	09:43	09:45
8:10 AM	08:36	09:09	09:05	09:07	09:18	09:15	09:35	08:31	08:27	08:36	08:54	08:53
8:20 AM	08:58	08:10	08:43	09:00	09:13	08:41	09:09	08:27	08:00	08:45	08:39	09:05
8:30 AM	09:06	08:26	08:41	08:45	08:43	08:30	09:04	08:49	07:54	08:41	08:18	08:50
8:40 AM	09:01		08:39	08:58	08:38	08:42	09:30	08:17	07:50	07:58	08:36	08:35
8:50 AM	09:08	09:04	08:53	08:28	08:30	08:30	09:20	08:39	07:55	08:42	08:44	08:38
9:00 AM	08:44	08:44	08:34	08:41	08:34	08:29	09:50	08:36	08:08	08:56	08:54	08:53
9:10 AM	08:32	08:39	08:31	09:06	08:18	08:35	09:51	08:30	07:58	08:40	08:56	07:53
9:20 AM	09:14	08:48	08:23	08:54	08:25	08:24	09:32	08:31	08:08	08:26	08:50	08:22
9:30 AM	08:34	08:26	08:45	08:59	08:40	08:33	09:27	08:40	07:44	08:13	08:53	08:29
9:40 AM	08:36	08:25	08:42	08:30	08:36	08:34	09:51	08:46	08:48	08:30	08:22	08:44
9:50 AM	08:38	08:47	08:15	08:24	08:40	08:22	09:23	08:43	08:38	08:24	08:41	08:24
10:00 AM	08:27	08:15	08:13	08:15	08:52	09:16	08:53	08:16	08:21	08:20	08:18	08:37
10:10 AM	08:24	07:56	08:31	08:20	08:52	08:49	08:45	08:15	08:35	08:21	08:28	08:24
10:20 AM	08:36	07:57	08:02	08:17	08:27	08:39	08:49	08:27	08:52	08:23	08:43	08:56
10:21 AM							08:42	09:05	08:11	08:25	08:22	08:14
10:30 AM	08:16	08:21	08:45	08:18	08:23	08:22	08:45	08:55	08:17	08:08	08:00	08:17
10:40 AM	08:19	08:27	08:30	08:40	08:36	08:21	08:43	08:41	08:14	08:34	08:11	08:15
10:50 AM	08:14	08:19	08:23	08:52	08:41	08:29	08:13	08:57	08:39	08:09	08:29	08:31
11:00 AM	08:59	08:35	08:37	08:31		08:22	08:17	08:42	08:59	08:17	08:04	08:48
11:10 AM	08:51	08:52	08:38	08:35	08:28	08:12	08:07	08:24	08:36	08:20	08:02	08:30
11:20 AM	08:41	08:21	08:31	08:36	08:35	08:15	08:21	08:19	09:22	08:27	08:15	08:20



ROUTE	Camino Ruiz SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:13	08:27	08:26	08:14	08:27	08:27	08:51	08:35	08:31	08:26	09:09	08:30
11:40 AM	08:08	07:55	08:47	08:04	08:30	08:07	09:14	08:53	08:29	08:40	08:19	07:51
11:50 AM	08:08	08:12	08:42	08:03	08:47	08:18	09:00	08:33	08:38	08:56	08:22	08:23
12:00 PM	08:14	08:00	08:43	08:08	08:53	08:17	08:17	08:25	08:29	08:37	08:17	08:22
12:10 PM	08:36	08:18	08:55	08:15	08:44	08:02	08:44	08:51	08:28	08:32	08:52	08:18
12:20 PM	08:16	08:35	08:05	08:22	08:59	08:24	08:50	08:45	08:14	08:13	08:21	08:28
12:30 PM	08:47	08:43	08:30	08:44	08:19	08:13	08:51	09:07	07:50	08:22	08:05	08:23
12:40 PM	08:54	08:21	08:13	08:30	08:07	08:09	08:56	08:56	08:04	08:02	08:54	08:19
12:50 PM	08:28	08:58	08:10	08:57	08:31	08:33	08:48	08:56	08:10	08:23	08:49	08:16
1:00 PM	08:54	08:26	08:36	08:28	08:28	09:00	09:03	08:50	08:41	08:39	08:45	08:30
1:10 PM	08:40	08:34	09:11	09:13	08:58	09:38	09:11	08:47	09:10	08:36	08:47	08:37
1:20 PM	08:32	08:38	08:36	09:22	09:16	09:10	09:00	08:59	08:47	08:32	08:28	08:41
1:30 PM	08:38	08:12	08:48	09:00	09:20	09:25	09:07	09:35	08:34	08:42	08:30	08:30
1:40 PM	09:16	08:17	09:02	09:15	08:41	08:49	08:55	09:06	08:55	08:41	08:26	08:52
1:50 PM	08:53	08:42	09:09	09:26	08:41	09:02	09:13	08:56	08:36	09:03	08:37	08:41
2:00 PM	08:38	08:52	08:32	08:52	08:31	08:57	09:00	09:25	09:13	09:26	08:42	08:42
2:10 PM	08:42	08:44	08:58	09:21	08:58	09:19	09:10	09:44	08:53	09:03	09:40	08:57
2:20 PM	08:50	08:57	09:37	08:58	09:30	09:45	09:47	09:36	08:39	09:25	10:11	09:18
2:30 PM	09:00	09:12	10:26	09:22	09:31	10:13	10:22	10:18	08:49	10:09	10:09	10:06
2:40 PM	09:42	09:01	10:36	09:41	09:44	09:50	11:24	09:33	09:21	09:55	10:18	10:09
2:50 PM	09:07	09:18	11:18	10:07	09:31	11:22	10:29	09:41	08:50	09:32	10:58	09:52
3:00 PM	09:38	09:12	10:51	09:29	09:17	11:11	10:11	09:09	08:33	09:25	09:35	09:43
3:10 PM	09:11	09:19	10:07	08:51	09:45	12:17	09:38	09:37	08:44	09:06	09:27	09:12
3:20 PM	09:13	09:02	11:15	08:28	09:10	12:56	10:23	09:41	08:36	08:32	09:20	09:08
3:30 PM	08:36	09:06	10:30	08:45	09:24	13:11	09:01	09:29	08:48	08:54	09:40	09:09
3:40 PM	08:45	09:41	10:10	08:23	08:53	10:56	08:45	09:23	08:43	08:57	09:47	09:27
3:50 PM	08:56	09:37	10:07	08:34	09:20	11:50	08:52	08:50	08:28	08:55	10:19	08:39
4:00 PM	08:55	08:57	10:06	09:21	09:03	14:56	08:40	08:58	08:40	08:42	09:57	09:00
4:10 PM	08:51	09:26	09:38	09:24	09:29	14:02	08:55	08:54	08:45	08:42	09:38	09:26
4:20 PM	08:52	10:09	10:52	10:02	11:31	15:29	08:55	08:34	09:00	08:59	10:04	09:03
4:30 PM	09:33	10:12	10:58	09:49	11:28	12:11	08:38	08:47	08:59	09:56	10:34	09:45
4:40 PM	10:02	10:53	12:11	09:25	10:00	16:06	08:43	08:35	08:37	12:30	11:19	09:22
4:41 PM	10:24						08:47	08:41	08:55	10:46	09:56	09:49
4:50 PM	10:05	11:44	12:58	09:26	10:49	16:28	09:26	08:53	09:14	09:52	10:10	09:10
5:00 PM	09:48	09:42	11:01	10:01	10:07	16:06	09:41	08:58	08:50	10:39	11:22	09:13
5:10 PM	09:47	10:06	10:54	10:25	10:58	13:23	09:02	09:14	08:33	10:56	11:42	09:51
5:20 PM	10:39	10:36	11:37	11:03	10:57	12:06	08:57	09:07	08:42	10:23	09:41	10:02
5:30 PM	10:26	11:29	11:07	11:06	11:04	11:51	08:47	08:48	08:44	10:10	09:20	09:14
5:40 PM	10:57	10:48	10:18	11:08	10:50	11:26	08:45	08:59	08:02	10:17	08:53	08:53
5:50 PM	09:58	10:28	09:57	09:46	11:47	13:48	08:52	08:20	08:45	09:02	09:05	09:02
6:00 PM	10:45	11:00	09:42	09:27	10:00	15:22	08:06	08:41	08:21	09:05	08:53	09:01
6:10 PM	09:44	10:45	09:22	09:28	09:16	14:00	08:11	09:08	08:19	08:30	08:32	08:14

ROUTE	Camino Ruiz SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	09:03	10:00	08:42	09:06	09:33	13:04	08:52	08:44	08:24	09:17	08:42	08:50
6:30 PM	08:47	09:55	08:59	08:40	08:52	12:05	09:05	08:55	08:21	08:34	08:26	08:19
6:40 PM	09:21	09:10	09:07	08:48	08:54	11:14	08:14	08:45	08:31	08:24	08:35	08:16
6:50 PM	08:47	09:13	08:43	08:39	08:17	12:23	08:09	08:36	09:06	08:26	08:06	08:09
7:00 PM	08:25	08:27	08:29	08:45	08:03	09:59	08:17	08:21	08:29	08:28	08:15	08:05
7:10 PM	08:42	08:30	08:18	08:54	08:11	09:49	08:15	08:17	08:03	08:09	08:01	08:05
7:20 PM	08:55	08:31	08:38	09:25	08:04	08:36	08:18	07:53	08:06	07:59	08:15	07:59
7:30 PM	08:38	08:16	08:22	08:46	07:42	08:14	08:21	07:47	08:18	07:40	08:05	08:05
7:40 PM	08:11	08:25	08:32	08:39	07:46	08:30	08:09	07:38	08:00	07:47	08:18	08:09
7:50 PM	07:48	08:07	08:25	08:09	07:25	07:51	08:19	08:28	07:45	07:44	07:55	07:51
8:00 PM	07:39	08:05	08:23	08:23	07:41	08:14	07:56	07:51	07:36	07:52	07:39	07:41
8:10 PM	07:45	07:59	08:19	08:38	07:45	08:10	08:12	07:59	07:36	07:46	08:00	07:41
8:20 PM	07:45	07:55	08:10	07:42	07:20	08:40	08:08	07:41	07:40	07:26	07:40	07:36
8:30 PM	07:45	07:28	07:50	07:43	07:27	07:51	07:52	07:30	07:41	07:30	07:39	07:41
8:40 PM	07:41	07:35	08:25	07:29	07:16	07:51						
8:50 PM	07:32	07:36	08:32	07:20	07:15	07:40						



Traction Probe Data Heatmap

ROUTECamino Santa Fe NB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		06:09	05:51	06:16	06:13	06:00	06:00	05:56	06:09	05:56	05:53	06:15
5:20 AM		06:15	05:53	06:27	06:20	06:03	06:06	05:56	06:11	05:58	06:01	06:19
5:30 AM		06:19	05:50	06:22	06:20	06:05	06:08	06:04	06:07	05:59	06:00	06:17
5:40 AM		06:43	06:06	06:15	06:19	06:23	06:12	06:12	06:08	06:23	05:59	06:20
5:50 AM		06:46	05:54	06:09	06:28	06:16	06:22	06:24	06:08	06:48	06:19	06:26
6:00 AM		06:45	06:12	06:06	06:44	06:25	06:27	06:30	06:07	06:40	06:11	06:34
6:10 AM		06:31	06:10	06:09	06:35	06:10	06:14	06:25	06:10	06:39	05:56	06:22
6:20 AM		06:14	06:20	06:15	06:48	06:05	06:20	06:31	06:19	06:14	05:59	06:20
6:30 AM		06:26	06:20	06:12	06:46	05:55	06:14	06:40	06:57	06:19	06:14	06:46
6:40 AM		06:19	06:20	06:22	06:33	05:52	06:44	06:12	07:01	06:11	06:18	06:51
6:50 AM		06:05	06:13	06:18	06:30	06:18	06:31	06:09	06:43	06:26	06:25	06:49
7:00 AM		06:32	06:14	06:20	06:15	06:00	06:35	06:18	06:47	06:33	06:46	06:52
7:10 AM		06:29	06:18	06:41	06:11	06:13	06:24	06:22	06:57	06:48	06:35	06:41
7:20 AM		06:49	06:34	06:48	06:18	06:18	06:32	06:43	06:43	06:26	06:26	06:31
7:30 AM		07:03	06:40	07:06	06:16	06:32	06:33	06:44	06:17	06:32	06:11	06:16
7:40 AM		06:36	06:46	07:12	06:17	06:31	06:39	06:24	06:41	06:37	06:20	06:47
7:50 AM		06:40	06:29	06:42	06:25	06:29	07:03	06:37	06:29	06:26	06:42	06:45
8:00 AM		06:45	06:36	07:01	06:37	06:31	06:43	06:48	06:45	06:36	06:46	07:11
8:10 AM		06:43	06:44	06:46	06:53	06:36	06:53	07:00	06:56	06:30	06:55	06:58
8:20 AM		06:44	07:20	07:07	06:48	07:18	06:38	06:15	06:41	06:37	07:05	07:10
8:30 AM		06:42	06:56	06:41	07:01	06:59	06:43	06:26	06:42	06:27	06:52	07:26
8:40 AM		07:16	06:52	06:52	06:59	06:53	06:48	06:42	06:32	06:26	07:01	06:28
8:50 AM		07:09	06:58	06:56	06:58	06:45	06:43	06:35	06:23	06:48	06:53	06:48
9:00 AM		07:20	06:37	07:00	07:06	06:43	06:54	07:03	06:42	07:02	07:13	06:55
9:10 AM		06:34	06:27	06:35	06:50	06:54	07:39	06:37	06:46	06:25	07:29	07:05
9:20 AM		07:12	06:47	06:32	06:47	06:26	07:00	06:45	06:22	06:31	06:55	07:08
9:30 AM		06:49	06:44	06:35	06:53	06:44	06:58	06:45	06:32	06:46	06:59	07:01
9:40 AM		06:45	06:54	06:40	06:41	06:44	06:47	06:39	06:26	06:21	06:44	07:00
9:50 AM		06:58	06:56	06:44	06:53	06:41	07:15	06:40	06:31	06:28	06:37	07:05
10:00 AM		06:45	07:14	06:33	06:38	06:53	06:22	06:21	06:39	06:13	06:23	06:22
10:10 AM		06:18	06:38	06:50	06:38	06:44	06:33	06:17	06:12	06:24	06:35	06:50
10:20 AM		06:51	06:29	06:50	06:46	06:33	06:54	06:41	06:16	06:25	06:19	06:28
10:21 AM								06:42				
10:30 AM		06:52	06:42	06:41	06:33	06:36	06:51	06:33	06:00	06:21	06:07	06:06
10:40 AM		07:06	06:31	06:51	06:46	06:31	06:31	06:18	06:35	06:23	06:11	06:28
10:50 AM		06:31	06:05	06:35	06:42	06:22	06:28	06:33	07:13	06:36	06:15	06:17
11:00 AM		06:43	06:17	06:37	06:48	06:06	06:36	06:50	06:37	06:29	06:35	06:28
11:10 AM		06:36	06:22	06:37	06:47	06:09	06:24	06:53		06:57	06:46	06:38
11:20 AM		06:32	06:32	06:49	06:42	06:34	06:25	06:58	06:51	06:57	06:40	06:41

ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		06:29	06:22	06:44	06:39	06:40	06:38	06:59	06:34	06:54	06:24	06:31
11:40 AM		06:42	06:46	06:26	06:45	06:32	06:26	07:03	06:23	07:13	06:42	06:09
11:50 AM		06:37	07:02	06:47	07:06	06:22	06:38	06:47	06:56	06:47	06:42	06:33
12:00 PM		06:50	07:13	06:29	07:18	06:58	07:16	06:58	06:26	06:33	07:06	06:43
12:10 PM		06:43	07:20	06:28	07:21	06:38	06:47	06:52	06:42	06:47	07:00	06:33
12:20 PM		06:42	06:44	06:39	06:59	06:47	07:02	06:36	07:02	06:44	06:58	06:29
12:30 PM		06:49	07:01	06:29	07:01	06:39	06:49	06:43	06:39	06:49	07:27	06:23
12:40 PM		06:43	06:48	06:44	06:55	06:42	06:37	06:30	06:49	06:56	07:04	06:25
12:50 PM		06:44	07:13	06:34	06:53	06:32	06:33	06:38	06:40	06:39	06:57	06:43
1:00 PM		06:30	07:03	06:33	07:06	06:54	06:31	06:34	06:47	06:22	06:59	06:35
1:10 PM	06:52	06:29	07:11	06:27	06:29	06:34	06:30	06:40	06:59	06:39	06:35	06:20
1:20 PM	06:59	06:32	06:55	06:43	07:02	06:27	06:35	06:56	06:42	06:15		06:31
1:30 PM	06:50	06:38	06:51	06:39	06:37	06:57	06:23	06:13	06:51	06:30	06:39	06:30
1:40 PM	06:46	07:01	07:07	06:18	06:52	06:31	06:25	06:51	06:54	06:33	06:40	06:15
1:50 PM	06:52	06:43	07:21	06:37	06:44	06:58	06:36	06:28	07:08	06:12	06:34	06:09
2:00 PM	06:59	06:24	06:52	06:43	06:54	06:35	06:38	06:48	06:59	06:29	06:33	06:29
2:10 PM	06:40	06:23	06:27	06:33	06:38	06:41	06:16	06:39	07:03	06:28	06:31	06:32
2:20 PM	06:55	06:41	06:47	06:38	06:34	06:47	06:34	06:43	06:55	06:41	06:39	06:28
2:30 PM	06:38	06:38	06:57	06:29	06:27	06:53	06:46	06:34	07:08	06:29	06:35	06:32
2:40 PM	07:08	06:40	07:12	06:22	06:50	07:04	07:02	06:39	06:57	06:34	06:38	06:47
2:50 PM	07:09	06:49	07:02	06:45	06:45	06:32	07:05	06:43	07:20	07:11	06:53	06:33
3:00 PM	06:56	06:42	07:06	06:18	07:07	06:31	07:05	06:59	06:44	06:45	06:41	06:41
3:10 PM	06:44	07:14	06:51	06:07	06:49	06:25	06:38	06:43	07:51	06:35	06:42	07:06
3:20 PM	06:39	07:02	06:57	06:17	07:15	06:45	06:46	07:10	07:45	06:42	06:32	06:49
3:30 PM	06:52	06:56	07:14	06:19	06:52	06:32	06:41	06:37	08:07	06:39	06:50	06:58
3:40 PM	06:38	07:05	07:34	06:54	07:21	07:12	07:16	06:37	08:16	06:37	07:14	07:08
3:50 PM	07:22	07:04	07:30	06:59	07:16	07:05	07:13	06:46	09:24	07:05	07:02	06:57
4:00 PM	07:10	06:46	06:48	06:47	07:06	06:43	07:19	06:45	10:02	06:49	07:04	06:44
4:10 PM	07:15	07:21	07:20	07:28	07:16	07:23	07:02	07:00	13:02	06:58	07:16	07:32
4:20 PM	06:56	07:54	07:22	07:35	07:21	07:03	07:24	07:32	16:58	07:13	07:30	07:54
4:30 PM	07:30	07:47	07:54	07:17	07:49	07:30	07:26	07:27	21:18	07:06	07:19	07:27
4:40 PM	07:23	07:47	07:34	07:49	07:49	07:20	07:29	07:23	20:49	07:19	07:49	07:26
4:41 PM												
4:50 PM	07:23	07:46	07:59	07:17	07:25	07:16	07:26	07:34	23:19	07:28	07:26	07:21
5:00 PM	07:01	07:19	08:14	07:26	08:17	07:31	07:32	08:05	22:52	06:53	07:52	07:45
5:10 PM	07:38	07:56	07:55	08:12	08:29	07:20	07:45	08:23	22:53	07:14	07:51	07:53
5:20 PM	07:27	08:11	08:20	08:07	07:53	07:39	08:03	08:06	20:39	07:23	08:23	08:19
5:30 PM	07:10	08:11	08:16	08:03	07:46	08:03	08:09	07:57	21:51	07:49	08:11	07:47
5:40 PM	07:11	08:10	08:20	07:42	07:49	07:53	08:28	07:52	21:07	07:33	08:17	07:52
5:50 PM	07:32	08:31	08:13	07:44	07:56	07:33	07:57	08:00	22:13	07:22	08:05	07:40
6:00 PM	07:21	08:12	08:01	07:28	07:14	07:18	07:38	08:18	18:40	07:18	08:33	07:38
6:10 PM	07:05	07:47	07:53	07:28	07:15	07:15	07:15	07:19	18:59	06:55	08:12	07:40

ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	06:37	07:34	07:47	06:48	07:10	07:05	07:28	07:20	17:02	06:47	07:42	07:12
6:30 PM	06:59	07:05	07:13	07:02	06:55	07:37	06:55	07:12	12:00	06:34	07:24	07:08
6:40 PM	06:31	07:12	07:06	07:16	06:41	07:15	07:15	06:54	09:46	06:51	07:08	06:53
6:50 PM	06:54	06:45	07:08	07:01	06:51	06:52	06:38	06:52	08:11	06:27	07:02	06:28
7:00 PM	06:55	06:51	06:51	06:46	06:35	06:46	06:48	06:51	07:40	06:49	06:53	07:02
7:10 PM	06:34	06:36	06:52	06:27	06:35	06:39	07:04	06:22	07:10	06:37	06:45	06:31
7:20 PM	06:38	06:36	06:35	06:18	06:44	06:21	06:45	06:37	06:45	06:37	06:26	06:24
7:30 PM	06:43	06:35	06:29	06:16	06:16	06:13	06:57	06:37	06:42	06:20	06:17	06:28
7:40 PM	06:28	06:23	06:37	06:13	06:23	06:09	06:34	06:10	06:36	06:19	06:12	06:26
7:50 PM	06:38	06:07	06:21	06:18	06:06	06:12	06:24	06:04	06:32	06:30	06:08	06:23
8:00 PM	06:20	06:20	06:22	06:10	06:13	06:06	05:59	06:02	06:36	06:16	06:02	06:12
8:10 PM	06:12	06:19	06:10	06:09	06:10	06:14	05:54	06:06	06:45	06:04	06:15	06:17
8:20 PM	06:26	06:06	06:18	05:59	05:53	06:26	05:51	06:14	06:28	06:05	06:19	06:07
8:30 PM	06:09	05:59	06:41	05:58	06:09	06:38	05:56	06:19	06:25	05:48	06:21	06:01
8:40 PM	06:15	05:54	06:47	06:00	06:06	06:17	05:46	06:08	06:16	06:00	06:09	05:44
8:50 PM	06:00	06:16	06:30	06:06	06:06	06:17	05:43	06:06	06:04	06:13	06:09	06:16

Traction Probe Data Heatmap												
ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	05:51	06:02	06:16	05:55	06:00	06:00	06:13	06:20	06:07	06:10	06:03	06:20
5:20 AM	05:49	06:10	06:15	06:10	06:05	05:59	06:31	06:24	06:05	06:16	06:16	06:19
5:30 AM	05:49	06:21	06:36	06:01	06:03	06:07	06:24	06:18	06:07	06:17	06:35	06:13
5:40 AM	06:01	06:04	06:22	06:04	06:14	06:22	06:21	06:25	06:07	06:24	06:31	06:14
5:50 AM	06:16	05:59	06:32	06:24	06:17	06:24	06:35	06:22	06:06	06:25	06:28	06:23
6:00 AM	06:14	06:09	06:26	06:37	06:15	06:19	06:38	06:26	06:09	06:16	06:28	06:26
6:10 AM	06:15	06:23	06:28	06:14	06:01	06:15	06:39	06:32	06:01	06:32	06:20	06:22
6:20 AM	06:19	06:20	06:10	06:04	06:12	06:11	06:24	06:29	06:15	06:29	06:16	06:20
6:30 AM		06:23	06:12	06:07	06:16	06:14	06:16	06:27	06:18	06:30	06:19	06:26
6:40 AM	06:04	06:29	06:09	06:18	06:18	06:30	06:14	06:25	06:21	07:24	06:15	06:23
6:50 AM	06:16	06:40	06:37	06:14	06:20	06:05	06:24	06:11	06:16	07:05	06:04	06:12
7:00 AM	06:26	06:37	06:50	06:09	06:43	05:59	06:49	06:20	06:10	06:45	06:13	06:53
7:10 AM	06:27	06:36	06:00	06:01	06:28	06:06	06:17	06:35	06:18	06:32	06:10	06:41
7:20 AM	06:43	06:31	06:15	06:21	07:02	06:38	06:27	07:04	06:26	06:22	06:21	06:42
7:30 AM	06:33	06:41	06:21	06:37	07:00	06:39	06:25	06:25	06:04	06:28	06:50	06:27
7:40 AM	06:27	06:31	06:48	06:34	06:57	06:40	06:28	06:33	06:15	06:35	06:40	06:28
7:50 AM	06:42	06:48	06:47	06:51	06:44	06:20	07:06	06:34	06:18	06:54	06:17	06:39
8:00 AM	06:35	06:29	06:55	06:34	06:43	06:11	06:30	06:22	06:32	06:52	06:43	06:53
8:10 AM	06:47	06:33	06:58	07:05	06:47	06:17	06:45	06:51	06:35	06:42	07:09	06:55
8:20 AM	07:19	07:04	06:57	06:41	06:19	06:27	07:06	06:33	06:44	07:11	06:41	07:09
8:30 AM	06:49	07:10	07:00	07:13	06:31	06:22	06:57	06:34	06:48	07:15	07:20	07:25
8:40 AM	06:43	07:04	06:53	07:16	06:38	06:19	06:57	06:48	06:51	07:10	06:52	07:11
8:50 AM	06:21	07:09	06:58	06:49	06:51	06:36	06:37	06:40	06:31	06:39	07:13	07:35
9:00 AM	06:40	07:13	06:42	07:02	06:36	06:48	07:05	06:50	06:24	06:48	06:51	07:32
9:10 AM	06:38	06:44	06:33	06:35	06:44	06:33	07:11	06:44	06:37	06:35	07:09	06:50
9:20 AM	06:56	06:52	06:51	06:55	06:48	06:49	07:25	06:39	06:31	06:33	06:55	06:53
9:30 AM	06:20	06:37	06:27	06:40	06:31	06:39	07:31	06:25	06:26	06:40	06:38	06:42
9:40 AM	06:29	06:24	06:49	06:36	06:38	06:26	07:20	06:36	06:26	06:40	06:40	06:28
9:50 AM	06:34	06:22	06:37	06:36	06:54	06:27	07:03	06:36	06:41	06:50	06:56	06:25
10:00 AM	06:29	06:53	06:49	06:31	06:37	06:44	06:52	06:33	06:12	06:39	06:51	06:27
10:10 AM	06:28	06:17	06:36	06:23	06:25	06:20	06:48	06:42	06:35	06:31	07:14	06:25
10:20 AM	06:11	06:39	06:28	06:15	06:23	06:49	06:50	06:23	06:28	06:42	06:41	06:22
10:21 AM							06:25	06:09	06:17	06:35	06:22	06:33
10:30 AM	06:18	06:23	06:17	06:15	06:29	06:25	06:53	06:36	06:29	06:35	06:39	07:02
10:40 AM	06:15	06:25	06:20	06:10	06:51	06:30	06:39	06:26	06:06	06:23	06:34	06:48
10:50 AM	06:19	06:40	06:23	06:31	06:31	06:30	06:45	06:27	06:13	06:20	06:28	06:46
11:00 AM	06:22	06:41	06:20	06:31		06:42	06:31	06:35	06:18	06:28	06:16	06:41
11:10 AM	06:44	06:35	06:46	06:28	06:08	06:25	06:36	06:44	06:35	06:26	06:23	06:40
11:20 AM	06:54	06:24	06:30	06:45	06:28	06:30	06:51	06:27	06:23	06:23	06:15	06:28



ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	06:56	06:16	06:43	06:39	06:42	06:22	06:59	07:08	06:31	06:08	06:24	07:03
11:40 AM	06:59	06:16	06:25	06:49	06:35	06:47	07:02	06:49	06:39	06:29	06:24	06:58
11:50 AM	06:49	06:20	06:51	06:36	06:33	06:43	06:40	06:39	06:46	06:39	06:42	07:03
12:00 PM	06:39	06:44	06:41	06:55	06:38	06:51	06:53	06:54	06:29	06:35	06:29	06:45
12:10 PM	07:11	06:56	06:42	07:21	06:27	06:37	07:01	06:54	06:22	06:44	06:46	06:55
12:20 PM	07:01	06:33	06:35	06:38	06:39	06:53	06:46	07:00	06:25	06:34	06:40	06:51
12:30 PM	07:01	06:14	06:39	07:05	06:31	06:56	06:49	06:29	06:31	06:36	06:24	06:39
12:40 PM	06:49	06:28	06:55	06:59	06:45	06:25	06:43	06:54	06:38	06:42	06:56	06:44
12:50 PM	06:35	06:38	06:46	06:32	06:56	06:39	07:08	06:35	07:00	06:45	06:43	06:24
1:00 PM	06:47	06:23	06:43	06:52	06:29	06:27	07:12	06:48	06:33	06:55	06:25	07:00
1:10 PM	06:56	06:35	06:45	06:44	06:28	06:32	07:00	07:14	06:46	07:07	06:38	06:41
1:20 PM	06:25	06:25	07:02	06:45	06:39	06:40	06:42	06:43	06:41	06:50	06:41	06:28
1:30 PM	06:44	06:43	06:43	06:48	06:24	06:41	06:36	06:42	06:18	06:29	07:04	06:35
1:40 PM	06:55	06:52	07:02	07:04	06:26	06:48	06:52	06:58	06:43	06:44	06:55	06:51
1:50 PM	06:33	06:26	06:47	06:33	06:31	06:50	06:49	06:54	06:33	06:11	06:49	06:46
2:00 PM	06:28	06:35	06:46	06:28	07:01	06:48	06:52	06:31	06:29	06:29	06:48	06:57
2:10 PM	06:42	06:55	06:25	06:40	06:44	06:49	06:58	06:32	06:34	06:47	06:55	06:57
2:20 PM	06:39	06:36	06:39	06:24	06:53	06:55	07:05	06:40	06:27	06:51	06:49	07:00
2:30 PM	06:34	06:50	06:33	06:24	06:30	07:04	07:07	06:52	06:23	06:41	07:22	06:53
2:40 PM	06:48	06:58	06:31	06:43	06:54	07:08	07:03	06:54	06:28	07:05	07:11	06:57
2:50 PM	06:57	07:16	06:37	06:48	07:20	07:07	06:51	06:48	06:51	07:06	06:55	06:58
3:00 PM	06:37	06:42	06:40	06:32	06:49	07:27	07:06	06:53	06:16	07:02	06:47	06:51
3:10 PM	06:32	06:27	07:01	06:55	06:33	07:18	07:04	06:49	06:13	07:05	07:01	07:19
3:20 PM	06:37	06:48	07:06	06:48	06:43	07:06	07:03	06:44	06:24	07:01	07:01	07:10
3:30 PM	06:56	07:03	07:22	06:43	06:43	07:28	07:30	07:01	06:21	06:54	07:06	07:05
3:40 PM	07:00	06:58	07:08	06:57	07:08	07:41	07:33	06:59	06:19	07:15	07:20	07:15
3:50 PM	07:04	07:45	07:17	06:54	07:11	08:35	07:31	07:01	06:40	07:19	07:12	07:35
4:00 PM	06:48	07:19	06:57	07:01	06:46	08:11	07:22	07:12	06:43	07:18	07:37	07:45
4:10 PM	07:01	07:24	07:33	07:12	07:10	08:47	07:50	07:06	06:42	07:36	07:28	07:48
4:20 PM	07:45	07:20	07:27	07:38	07:28	08:48	07:32	07:11	07:09	07:39	07:47	08:40
4:30 PM	07:29	07:04	07:51	07:10	06:56	09:58	07:55	06:48	07:23	07:21	07:47	07:20
4:40 PM	07:33	07:25	07:26	07:02	07:35	08:19	08:05	07:10	07:16	08:02	07:34	07:39
4:41 PM	07:25						07:22	06:57	06:52	07:41	07:48	07:33
4:50 PM	07:45	07:50	08:05	07:06	07:05	08:52	07:46	06:59	07:00	08:25	08:55	08:10
5:00 PM	07:52	07:49	07:32	07:20	07:58	08:50	07:19	07:09	07:14	08:05	08:47	08:15
5:10 PM	08:08	07:41	07:40	07:54	07:43	10:53	07:53	07:15	06:45	08:07	08:10	08:20
5:20 PM	08:05	08:12	07:10	07:45	07:56	11:18	07:22	07:03	06:47	08:46	08:18	07:47
5:30 PM	07:52	08:19	08:18	07:16	08:41	11:23	07:10	06:57	06:40	08:19	08:12	07:59
5:40 PM	07:50	08:56	07:19	07:25	08:14	10:06	07:27	07:10	07:10	08:00	08:31	07:23
5:50 PM	07:40	08:19	07:26	07:31	07:45	10:51	07:12	06:44	07:30	07:31	08:08	07:43
6:00 PM	07:55	08:34	07:13	07:24	07:24	08:00	07:07	06:59	07:33	07:15	07:59	07:14
6:10 PM	07:36	07:35	07:14	07:20	07:14	08:11	07:00	06:48	06:42	07:16	07:26	07:29

ROUTE	Camino Santa Fe NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	07:52	07:33	06:50	07:09	07:17	07:52	07:21	07:03	06:51	07:10	06:36	07:08
6:30 PM	07:19	07:08	07:15	07:00	06:53	07:32	07:00	06:43	06:34	07:05	06:50	07:05
6:40 PM	07:23	06:54	06:47	06:41	06:51	07:01	07:05	06:33	06:22	06:59	06:53	07:04
6:50 PM	07:09	06:53	06:39	06:49	07:02	07:12	06:37	06:33	06:27	07:00	06:48	07:07
7:00 PM	07:17	07:16	06:40	06:35	06:44	07:01	06:42	06:28	06:34	06:29	06:56	06:47
7:10 PM	06:30	06:50	06:55	06:31	06:33	06:54	06:33	06:42	06:20	06:29	06:47	06:33
7:20 PM	06:35	06:47	06:41	06:23	06:16	06:42	06:21	06:24	06:01	06:23	06:39	06:19
7:30 PM	06:31	06:45	06:24	06:33	06:25	06:39	06:14	06:16	06:18	06:23	06:44	06:22
7:40 PM	06:36	06:32	06:37	06:30	06:23	06:42	06:25	06:25	06:12	06:22	06:31	06:06
7:50 PM	06:13	06:20	06:35	06:12	06:34	06:26	06:21	06:20	06:17	06:24	06:20	06:15
8:00 PM	06:15	06:08	06:09	06:11	05:58	06:23	06:11	06:17	06:28	06:07	06:20	06:04
8:10 PM	06:16	06:19	06:08	06:09	05:53	06:22	06:05	06:11	06:22	06:09	06:25	06:14
8:20 PM	06:01	06:05	05:58	06:05	05:56	06:15	05:52	06:24	06:14	06:04	06:21	06:16
8:30 PM	06:01	06:30	05:52	06:01	06:09	06:24	05:52	05:59	06:06	06:21	06:36	06:03
8:40 PM	06:06	06:24	06:02	06:12	06:11	06:11						
8:50 PM	06:17	06:18	06:08	06:04	06:01	06:24						

Traction Probe Data Heatmap

ROUTE												
Camino Santa Fe SB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		06:19	06:11	06:06	06:37	06:08	06:42	06:15	06:04	06:52	06:00	06:31
5:20 AM		06:20	06:09	06:16	06:39	06:07	06:28	06:19	06:08	06:52	05:58	06:24
5:30 AM		06:24	06:16	06:08	06:22	06:06	06:24	06:25	06:07	06:28	06:08	06:35
5:40 AM		06:34	06:26	06:31	06:24	06:13	06:26	06:14	06:18	06:15	06:12	06:38
5:50 AM		06:32	06:32	06:32	06:25	06:17	06:29	06:15	06:22	06:30	06:19	06:37
6:00 AM		06:21	06:48	06:48	06:25	06:26	06:27	06:17	06:24	06:29	06:22	07:31
6:10 AM		06:35	06:41	06:34	06:29	06:27	06:25	06:32	06:33	06:21	06:29	07:22
6:20 AM		06:34	06:56	06:25	06:33	06:24	06:17	06:47	06:39	06:27	06:33	07:24
6:30 AM		06:42	07:01	06:28	06:40	06:36	06:34	06:48	06:54	06:29	06:44	07:34
6:40 AM		06:47	06:55	06:41	06:39	06:36	06:38	06:41	06:46	06:32	06:08	07:37
6:50 AM		06:38	06:23	06:31	06:33	06:25	06:30	06:53	06:45	06:33	06:28	06:52
7:00 AM		06:36	06:33	06:34	06:24	06:56	06:25	06:37	06:54	06:35	06:44	06:55
7:10 AM		06:26	06:32	06:06	06:45	06:32	07:09	06:43	06:31	07:02	06:50	06:40
7:20 AM		06:23	06:43	06:43	07:17	06:51	06:26	06:25	06:24	06:36	06:50	06:38
7:30 AM		06:51	06:41	06:48	06:33	07:05	06:56	06:39	06:53	07:01	06:46	07:01
7:40 AM		06:59	06:49	06:34	07:13	06:40	06:48	07:01	06:42	06:51	06:59	06:46
7:50 AM		06:56	06:52	06:36	06:49	07:02	06:39	07:12	06:53	06:47	07:03	07:16
8:00 AM		07:18	06:59	06:37	07:05	06:57	07:20	06:34	06:53	07:07	07:25	07:05
8:10 AM		06:43	07:06	07:04	06:56	07:04	06:53	07:07	07:17	07:12	07:16	07:19
8:20 AM		07:28	06:58	07:15	07:03	07:09	06:48	06:52	06:59	06:53	06:58	07:31
8:30 AM		07:17	07:02	07:20	06:59	07:00	07:00	07:01	07:10	07:11	07:07	07:03
8:40 AM		07:03	06:45	07:02	07:05	06:43	07:13	06:54	07:00	07:23	07:13	07:13
8:50 AM		07:17	07:18	07:38	07:00	06:47	07:08	06:49	06:56	07:15	07:44	08:04
9:00 AM		07:02	06:43	07:10	07:12	06:43	07:10	06:56	07:02	07:08	07:50	07:01
9:10 AM		07:17	07:25	07:35	07:09	07:18	07:26	06:53	06:59	06:49	07:21	07:04
9:20 AM		07:13	07:04	06:48	06:52	07:17	06:42	06:59	06:43	07:09	07:00	07:04
9:30 AM		07:19	06:56	07:14	07:05	07:21	06:52	06:51	06:40	07:14	07:09	07:01
9:40 AM		06:54	07:04	07:16	06:52	07:08	07:01	07:11	07:07	06:51	06:48	07:10
9:50 AM		07:05	07:03	07:19	07:04	06:59	06:39	07:08	06:54	07:20	06:50	07:12
10:00 AM		07:13	07:14	07:06	06:56	07:11	07:06	07:01	07:05	07:00	06:58	07:12
10:10 AM		07:13	07:18	07:17	07:03	06:58	07:11	07:07	07:02	06:39	06:43	06:55
10:20 AM		07:10	06:57	06:49	06:46	06:50	06:59	07:16	06:56	06:52	06:51	07:07
10:21 AM								07:13				
10:30 AM		07:00	07:10	06:49	06:53	06:42	06:50	07:14	06:48	06:54	06:34	07:08
10:40 AM		07:06	07:05	06:55	07:17	06:52	06:53	06:43	06:40	07:13	06:54	07:01
10:50 AM		07:04	06:53	06:51	07:11	06:45	07:00	06:44	07:06	06:50	06:43	06:59
11:00 AM		06:57	06:58	06:53	07:31	06:53	07:05	06:53	07:04	06:56	06:39	06:51
11:10 AM		06:46	07:18	07:04	07:04	07:07	06:42	07:02		07:16	06:39	07:12
11:20 AM		06:59	07:41	07:16	07:23	06:44	07:09	06:45	06:55	07:00	06:38	07:07



ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		07:01	07:47	07:13	07:03	06:59	07:12	06:59	06:48	06:36	06:45	07:21
11:40 AM		07:10	08:03	06:57	07:09	06:54	07:45	07:10	07:03	07:08	07:01	07:11
11:50 AM		07:31	08:02	07:10	07:07	06:55	07:05	07:12	07:09	07:20	07:00	07:04
12:00 PM		07:22	07:41	06:54	06:57	06:56	07:25	07:01	07:00	07:10	06:58	07:06
12:10 PM		07:18	07:33	07:09	07:18	07:06	07:18	07:15	07:07	07:11	07:13	06:54
12:20 PM		07:15	07:20	07:01	07:33	07:03	07:12	07:17	07:21	07:04	07:24	07:19
12:30 PM		07:25	07:16	07:36	07:29	07:12	07:05	07:01	06:56	07:12	07:13	07:10
12:40 PM		07:08	07:17	07:01	07:38	06:55	07:01	07:14	07:24	07:12	07:27	07:19
12:50 PM		07:21	06:55	07:19	07:27	07:32	07:08	07:28	07:11	07:06	07:12	06:59
1:00 PM		07:04	07:30	07:26	07:20	07:30	07:22	07:23	07:14	07:25	07:08	07:08
1:10 PM	07:17	07:06	07:04	07:23	07:30	07:18	07:35	07:33	07:20	07:29	06:56	07:19
1:20 PM	07:01	07:11	07:15	07:35	07:34	07:11	06:56	07:25	07:13	07:17		07:16
1:30 PM	07:22	06:59	07:08	07:23	07:13	07:13	07:06	07:22	07:21	07:16	06:59	06:55
1:40 PM	07:20	07:17	07:40	07:29	07:21	06:56	06:59	07:31	07:07	06:55	07:48	07:04
1:50 PM	06:58	07:15	07:19	07:06	07:13	07:25	06:56	07:12	07:23	06:50	07:07	07:06
2:00 PM	06:53	07:34	07:39	07:08	07:00	07:06	06:47	07:23	07:22	07:18	06:49	06:44
2:10 PM	07:03	07:38	07:20	07:04	07:28	07:08	07:16	07:32	07:17	07:06	07:13	07:11
2:20 PM	07:01	07:22	07:01	07:03	07:07	07:13	07:01	07:11	07:25	07:22	06:51	07:13
2:30 PM	07:00	07:11	06:56	07:23	06:59	07:11	07:23	07:12	07:30	07:26	07:00	07:32
2:40 PM	06:59	07:07	07:00	07:34	07:02	06:56	07:15	07:03	07:40	07:28	07:12	07:24
2:50 PM	07:17	07:07	07:08	06:56	07:03	07:04	07:10	06:39	07:34	07:14	07:34	07:04
3:00 PM	07:20	07:08	07:07	07:12	07:10	07:18	07:07	06:55	07:31	07:08	07:06	07:11
3:10 PM	07:20	07:02	07:04	07:01	07:28	07:33	07:15	07:21	07:22	07:21	07:18	07:22
3:20 PM	07:22	07:12	07:34	07:07	07:07	07:27	06:57	07:09	07:27	07:32	06:58	07:14
3:30 PM	07:13	07:09	06:56	06:49	07:05	07:25	06:56	07:33	07:32	07:18	07:07	07:43
3:40 PM	07:19	07:19	07:11	07:15	07:19	07:16	07:29	07:14	07:56	07:04	07:18	07:20
3:50 PM	07:25	07:16	07:33	06:40	07:09	07:21	07:12	06:54	08:37	07:26	07:49	06:53
4:00 PM	06:58	07:09	07:22	07:16	07:36	07:21	06:56	07:07	09:03	06:41	07:29	06:54
4:10 PM	07:07	07:15	07:30	07:18	07:36	07:20	07:21	08:11	09:36	07:42	07:49	07:25
4:20 PM	07:13	07:52	07:23	07:25	07:21	07:15	07:15	07:42	09:50	07:33	07:48	07:24
4:30 PM	06:59	07:16	07:16	07:29	07:42	07:53	07:26	07:36	10:03	07:53	07:35	07:24
4:40 PM	07:21	07:38	07:41	07:31	07:41	07:36	07:18	07:29	08:47	07:08	07:17	07:04
4:41 PM												
4:50 PM	07:15	07:29	07:47	07:17	07:25	07:16	07:24	08:13	08:41	07:32	07:20	07:42
5:00 PM	07:19	07:25	07:25	07:51	07:41	07:23	07:11	07:38	08:44	07:24	07:31	07:51
5:10 PM	07:25	07:35	07:51	07:58	08:19	07:43	07:59	08:43	08:55	07:48	07:45	07:48
5:20 PM	07:19	07:14	07:33	08:17	07:58	08:05	07:52	07:55	09:10	07:27	08:08	07:27
5:30 PM	07:38	07:13	07:42	08:15	07:52	07:28	07:24	07:37	09:00	07:11	08:00	07:40
5:40 PM	07:13	07:44	08:22	08:10	07:13	07:29	07:36	08:38	08:49	07:27	07:43	08:05
5:50 PM	07:22	07:48	07:35	07:37	07:32	07:31	08:10	08:04	08:32	07:08	07:48	07:54
6:00 PM	07:19	07:32	07:54	07:12	07:43	07:45	07:33	08:08	09:00	07:26	07:47	07:46
6:10 PM	07:07	07:49	07:32	07:37	07:53	07:22	07:47	07:53	08:39	07:18	07:35	07:30

ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	07:24	07:36	07:03	07:31	07:09	06:58	07:23	07:39	08:29	07:00	07:21	07:29
6:30 PM	06:52	07:27	06:58	07:07	06:54	06:59	07:19	07:06	08:40	07:03	07:13	07:27
6:40 PM	06:53	07:16	07:10	07:11	07:10	06:51	07:26	07:02	07:55	06:42	07:02	07:08
6:50 PM	07:11	07:24	06:51	07:16	06:47	06:45	07:08	06:33	07:53	06:45	06:54	06:58
7:00 PM	06:50	07:28	06:51	07:18	06:55	06:42	07:03	06:46	07:25	06:45	06:53	06:54
7:10 PM	06:49	07:00	06:43	07:11	06:35	06:40	06:56	07:01	07:11	07:03	06:58	06:41
7:20 PM	06:31	06:46	06:34	06:41	06:25	06:47	07:11	06:43	06:49	06:20	06:59	06:39
7:30 PM	06:15	06:31	06:25	06:37	06:20	06:29	06:59	06:25	06:55	06:19	06:39	06:18
7:40 PM	06:37	06:27	06:19	06:41	06:23	06:38	07:00	06:24	06:23	06:17	06:40	06:25
7:50 PM	06:17	06:19	06:33	06:13	06:42	06:37	06:35	06:13	06:33	06:39	06:38	06:48
8:00 PM	06:06	06:23	06:28	06:09	06:33	06:33	06:32	06:18	06:35	06:30	06:34	06:53
8:10 PM	06:03	06:21	06:25	06:15	06:32	06:34	07:06	06:37	06:56	06:49	06:44	06:33
8:20 PM	06:41	06:29	06:24	06:15	06:40	06:33	06:53	06:41	06:34	06:33	06:27	06:33
8:30 PM	06:26	06:29	06:10	06:28	06:32	06:10	06:35	06:35	06:24	06:31	06:31	06:31
8:40 PM	06:14	06:26	06:12	06:14	06:31	06:15	06:47	06:29	06:32	06:35	06:18	06:29
8:50 PM	06:14	06:18	06:27	06:25	06:30	06:19	06:27	06:16	06:34	06:34	06:17	06:25

Traction Probe Data Heatmap												
ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	06:14	05:56	06:40	05:47	06:15	06:13	06:08	06:44	05:57	06:06	05:50	06:07
5:20 AM	06:14	05:52	06:35	05:47	06:08	06:01	06:24	06:41	06:10	06:09	05:52	06:08
5:30 AM	06:12	05:55	06:23	06:04	06:21	06:15	06:03	06:21	06:11	06:31	05:45	06:12
5:40 AM	06:17	06:09	06:17	05:58	06:21	06:10	06:17	06:22	06:17	06:37	06:03	06:25
5:50 AM	06:25	06:17	06:21	06:03	06:37	06:12	06:38	06:22	06:15	06:41	06:11	06:30
6:00 AM	06:29	06:14	06:27	06:04	06:21	06:20	06:32	06:28	06:16	06:25	06:17	06:28
6:10 AM	06:29	06:04	06:27	06:02	06:24	06:18	06:28	06:32	06:24	06:39	06:24	06:21
6:20 AM	06:28	06:06	06:32	06:10	06:27	06:27	06:40	06:41	06:31	06:36	06:25	06:21
6:30 AM		06:30	06:44	06:04	06:36	06:48	06:50	06:45	06:24	06:23	06:31	06:25
6:40 AM	06:31	06:25	06:39	06:15	06:38	07:18	06:54	06:34	06:33	06:24	06:42	06:34
6:50 AM	06:31	06:47	06:45	06:28	06:43	06:33	06:24	06:38	06:26	06:22	06:28	06:52
7:00 AM	06:15	06:43	06:49	06:29	06:38	06:26	06:35	06:21	06:25	06:09	06:39	06:55
7:10 AM	06:25	06:36	06:31	06:16	06:15	06:47	06:54	06:45	06:31	06:24	06:21	06:13
7:20 AM	06:28	06:36	07:01	06:46	06:53	06:46	06:38	06:55	06:27	06:54	07:01	06:36
7:30 AM	06:53	06:29	06:32	06:28	06:39	06:52	07:00	06:54	06:26	06:48	06:36	06:44
7:40 AM	06:53	06:35	06:50	06:38	06:33	06:48	06:54	07:04	06:27	06:59	06:57	06:52
7:50 AM	06:49	06:42	06:50	06:54	06:26	07:03	07:12	06:55	06:30	06:36	07:01	06:58
8:00 AM	06:40	06:39	07:08	06:48	06:35	07:08	07:01	06:53	06:26	07:07	07:12	06:48
8:10 AM	06:41	06:38	06:51	06:43	07:04	06:45	07:24	07:06	06:35	07:04	07:04	07:22
8:20 AM	07:00	07:01	07:01	07:03	07:11	07:16	07:20	07:05	06:34	07:01	07:13	07:15
8:30 AM	06:54	06:37	07:19	07:00	07:15	07:14	07:16	07:10	06:44	07:02	06:46	07:16
8:40 AM	07:11		06:39	07:17	07:01	07:01	07:10	07:17	06:41	06:55	06:37	07:34
8:50 AM	07:06	07:44	07:11	06:53	06:57	06:52	07:35	07:32	07:13	07:05	07:04	07:22
9:00 AM	07:14	07:33	07:04	07:23	06:52	07:04	07:39	07:05	06:38	07:21	07:24	07:28
9:10 AM	06:47	07:01	07:03	07:19	07:05	07:00	07:41	06:52	06:43	06:49	07:26	07:52
9:20 AM	06:42	06:57	06:32	06:56	07:02	06:56	07:29	07:00	06:41	07:00	07:29	06:54
9:30 AM	07:03	07:05	06:37	07:01	07:14	06:42	07:30	07:21	06:57	06:59	07:22	07:18
9:40 AM	07:08	07:18	06:36	07:17	06:53	07:03	07:12	07:17	06:46	07:24	06:55	07:13
9:50 AM	06:57	07:17	06:50	07:03	07:01	07:15	07:01	07:05	06:44	06:51	07:15	07:00
10:00 AM	07:14	07:36	06:52	06:57	07:03	07:03	07:40	06:56	06:49	07:02	07:12	06:52
10:10 AM	07:24	07:10	06:50	06:52	06:37	07:11	07:00	07:19	06:37	07:00	07:06	06:41
10:20 AM	07:02	07:10	06:56	06:51	06:49	06:52	06:50	07:04	06:36	06:54	07:16	06:48
10:21 AM							06:55	07:17	06:28	07:06	07:20	07:10
10:30 AM	06:57	06:56	06:36	06:44	07:00	07:01	06:40	07:05	06:37	07:02	07:15	06:48
10:40 AM	07:06	06:40	06:52	06:43	07:04	07:18	06:40	06:48	06:50	07:08	06:57	06:46
10:50 AM	07:17	06:50	07:02	06:28	06:54	07:02	07:12	06:37	06:46	07:05	06:39	06:49
11:00 AM	06:50	06:53	06:54	06:59		07:10	06:57	06:47	07:14	06:52	07:04	06:57
11:10 AM	06:51	07:07	06:56	07:25	07:15	07:03	07:00	06:59	06:54	07:18	07:06	06:58
11:20 AM	06:59	07:04	06:57	06:54	07:13	06:53	07:24	06:51	07:04	07:08	07:00	06:56

ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	06:51	07:13	06:50	07:16	07:14	07:08	07:11	07:11	07:19	07:08	07:32	06:44
11:40 AM	07:15	07:08	07:03	07:09	07:06	06:53	07:02	07:01	06:36	07:30	07:17	06:50
11:50 AM	07:15	07:10	07:23	07:16	06:52	07:10	06:53	07:32	06:56	07:12	07:10	06:53
12:00 PM	07:19	07:13	07:27	06:55	06:48	07:15	07:08	07:28	06:42	07:13	06:56	07:10
12:10 PM	07:22	07:11	07:08	07:28	07:04	07:33	07:10	07:09	06:45	07:29	07:10	07:37
12:20 PM	07:33	06:56	07:08	07:17	07:09	07:32	07:11	06:55	07:04	07:20	07:19	07:51
12:30 PM	07:23	07:18	07:12	07:17	07:02	07:31	07:22	07:10	06:53	07:40	07:14	07:18
12:40 PM	07:12	07:05	07:26	07:33	07:10	07:30	07:30	07:25	06:55	07:26	07:34	07:13
12:50 PM	07:04	07:16	07:10	07:01	07:20	07:22	07:34	07:25	06:57	07:31	07:16	07:23
1:00 PM	06:51	07:07	07:23	07:10	07:11	07:20	07:29	07:30	07:24	07:19	07:31	07:18
1:10 PM	07:02	07:12	07:14	07:05	07:06	07:06	07:26	07:20	06:59	07:43	07:20	07:09
1:20 PM	07:03	06:48	07:17	07:13	07:11	07:06	07:27	07:39	06:54	07:16	07:30	06:58
1:30 PM	07:21	07:06	07:31	07:25	07:14	07:06	07:22	07:29	06:42	07:33	07:25	06:44
1:40 PM	07:03	07:31	07:24	06:54	07:16	07:10	07:12	07:24	06:58	07:08	06:59	06:44
1:50 PM	06:56	07:05	07:27	07:05	07:00	07:11	07:31	07:20	07:03	06:55	07:22	07:04
2:00 PM	07:11	06:56	07:11	07:08	06:46	07:21	07:22	07:08	07:02	07:17	07:23	07:01
2:10 PM	07:09	07:08	07:18	07:02	07:27	07:03	07:07	06:52	07:03	07:14	07:38	06:48
2:20 PM	07:13	07:18	07:02	07:10	07:14	07:09	07:22	07:10	06:59	07:22	07:24	07:40
2:30 PM	06:58	07:31	07:06	07:08	06:56	07:16	07:19	07:08	07:12	07:21	07:24	07:43
2:40 PM	07:06	07:08	07:11	07:05	07:18	07:11	07:40	07:17	07:01	07:12	07:26	07:49
2:50 PM	07:27	07:26	07:15	06:57	07:02	07:16	07:27	06:58	06:49	07:20	07:14	07:23
3:00 PM	07:03	07:09	07:18	06:30	06:49	07:26	07:34	07:07	06:58	07:23	07:33	07:45
3:10 PM	07:13	07:08	07:17	06:28	06:55	07:24	07:26	07:25	06:59	07:34	07:25	07:44
3:20 PM	07:35	07:06	06:56	06:59	07:14	07:25	07:30	07:06	06:55	06:47	07:44	07:12
3:30 PM	07:15	07:11	07:18	06:48	06:51	07:40	07:38	06:46	06:51	07:15	07:15	07:30
3:40 PM	07:33	07:13	07:39	07:06	06:59	07:33	06:59	07:00	06:56	07:11	07:26	07:13
3:50 PM	07:07	06:54	06:59	07:08	07:10	07:20	07:38	07:05	06:46	07:21	07:02	07:20
4:00 PM	07:11	07:22	07:14	07:09	07:09	07:50	07:49	07:25	06:50	07:36	07:50	07:27
4:10 PM	07:13	07:21	07:46	07:17	07:13	07:56	07:38	07:28	07:06	07:15	08:32	07:40
4:20 PM	07:12	07:28	07:32	07:19	07:17	07:35	07:53	07:15	06:54	07:39	07:47	07:44
4:30 PM	07:34	07:28	07:29	08:00	07:20	08:10	07:47	07:16	07:19	07:34	07:29	07:56
4:40 PM	07:39	07:09	07:13	07:27	07:29	08:17	07:38	07:09	07:25	07:23	07:41	07:55
4:41 PM	07:05						07:33	07:37	06:56	07:32	08:06	07:40
4:50 PM	07:38	07:18	07:13	08:23	07:23	08:15	07:30	07:20	07:17	08:04	08:06	07:57
5:00 PM	07:07	07:11	07:52	07:49	07:48	08:57	07:25	07:02	07:30	07:40	08:06	07:50
5:10 PM	07:57	07:30	07:36	08:19	07:36	09:16	07:22	07:11	07:06	07:29	08:33	07:25
5:20 PM	07:40	07:49	08:01	07:47	08:15	09:08	07:21	07:23	07:11	07:45	08:34	07:25
5:30 PM	07:48	07:56	07:55	07:38	07:52	09:28	07:01	07:02	07:01	07:35	07:48	07:24
5:40 PM	07:20	07:46	07:41	07:33	07:53	08:54	07:06	07:40	07:11	08:02	07:49	07:20
5:50 PM	07:35	07:15	07:44	07:46	07:49	08:42	07:16	07:13	07:12	07:41	08:06	07:51
6:00 PM	07:32	07:36	07:27	08:16	07:34	08:45	07:10	07:27	07:10	07:25	07:21	07:34
6:10 PM	07:10	07:40	07:15	08:04	07:30	08:00	07:20	07:10	07:14	07:21	07:49	07:36

ROUTE	Camino Santa Fe SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	07:54	07:20	07:29	07:43	07:50	07:53	07:06	07:18	06:58	07:32	07:27	07:37
6:30 PM	07:28	06:58	07:40	07:21	07:16	08:10	06:52	06:58	07:00	07:08	07:36	07:09
6:40 PM	07:13	06:59	07:14	07:01	07:20	07:39	06:50	06:24	06:54	06:56	07:21	06:49
6:50 PM	07:30	06:49	06:50	07:12	07:03	07:10	06:55	06:31	07:02	07:06	07:03	06:43
7:00 PM	07:22	06:58	07:06	06:59	06:41	07:32	06:24	06:40	06:44	06:42	07:03	06:38
7:10 PM	07:09	06:52	06:57	07:11	06:46	07:37	06:23	06:39	06:39	06:41	07:01	06:56
7:20 PM	06:59	06:54	06:47	06:39	06:35	07:16	06:28	06:26	06:19	06:32	06:43	06:43
7:30 PM	06:50	06:37	06:38	06:44	06:23	06:56	06:29	06:23	06:22	06:36	06:19	06:35
7:40 PM	06:23	06:28	06:26	06:41	06:28	06:45	06:25	06:42	06:16	06:38	06:40	06:28
7:50 PM	06:35	06:24	06:19	06:36	06:29	06:34	06:26	06:36	06:11	06:43	06:43	06:28
8:00 PM	06:25	06:34	06:21	06:23	06:27	06:29	06:31	06:18	06:24	06:52	06:35	06:31
8:10 PM	06:08	06:28	06:24	06:27	06:59	06:42	06:25	06:17	06:24	06:38	06:33	06:35
8:20 PM	06:09	06:27	06:27	06:10	06:34	06:32	06:25	06:29	06:23	06:34	06:30	06:42
8:30 PM	06:09	06:26	06:33	06:18	06:34	06:34	06:21	06:32	06:20	06:50	06:28	06:29
8:40 PM	06:17	06:24	06:42	06:12	06:36	06:32						
8:50 PM	06:10	06:23	06:23	06:00	06:29	06:21						



Traction Probe Data Heatmap

ROUTE												
Carroll Canyon Rd EB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:11	02:10	02:15	02:14	02:15	02:03	02:11	02:18	02:13	02:30	02:08
5:20 AM		02:10	02:12	02:15	02:14	02:09	02:01	02:08	02:17	02:13	02:27	02:08
5:30 AM		02:06	02:04	02:12	02:14	02:05	02:07	02:08	02:11	02:13	02:27	02:09
5:40 AM		02:03	02:08	02:09	02:13	02:06	02:06	02:10	02:10	02:15	02:25	02:14
5:50 AM		02:04	02:06	02:05	02:11	02:10	02:00	02:07	02:12	02:18	02:23	02:16
6:00 AM		02:07	02:04	02:07	02:04	02:16	02:00	02:07	02:00	02:21	02:26	02:15
6:10 AM		02:09	02:07	02:02	02:06	02:16	01:59	02:05	02:01	02:22	02:21	02:14
6:20 AM		02:12	02:06	02:07	02:09	02:15	02:02	02:14	02:05	02:16	02:16	02:14
6:30 AM		02:12	02:14	02:03	02:17	02:12	02:04	02:04	02:08	02:09	02:23	02:13
6:40 AM		02:18	02:09	02:12	02:18	02:15	02:09	02:11	02:08	02:08	02:30	02:11
6:50 AM		02:12	02:04	02:20	02:14	02:14	02:12	02:14	02:11	02:08	02:24	02:16
7:00 AM		02:13	02:13	02:06	02:05	02:14	02:09	02:14	02:09	02:14	02:31	02:13
7:10 AM		02:12	02:14	02:06	02:07	02:11	02:21	02:10	02:12	02:08	02:23	02:11
7:20 AM		02:16	02:16	02:16	02:11	02:18	02:22	02:05	02:13	02:08	02:27	02:14
7:30 AM		02:20	02:17	02:18	02:19	02:14	02:08	02:13	02:09	02:08	02:22	02:17
7:40 AM		02:19	02:13	02:15	02:20	02:15	02:13	02:10	02:18	02:27	02:20	02:20
7:50 AM		02:16	02:12	02:24	02:17	02:11	02:19	02:15	02:14	02:15	02:34	02:32
8:00 AM		02:24	02:26	02:25	02:20	02:17	02:19	02:13	02:26	02:11	02:33	02:21
8:10 AM		02:23	02:28	02:19	02:17	02:21	02:13	02:18	02:10	02:06	02:36	02:21
8:20 AM		02:14	02:15	02:09	02:17	02:20	02:14	02:19	02:21	02:25	02:51	02:14
8:30 AM		02:13	02:19	02:16	02:12	02:17	02:19	02:31	02:17	02:14	02:45	02:25
8:40 AM		02:14	02:20	02:27	02:20	02:17	02:20	02:28	02:29	02:33	02:37	02:21
8:50 AM		02:19	02:22	02:18	02:14	02:23	02:17	02:21	02:26	02:23	02:54	02:26
9:00 AM		02:25	02:18	02:11	02:14	02:16	02:17	02:17	02:23	02:21	02:48	02:20
9:10 AM		02:14	02:18	02:14	02:09	02:08	02:12	02:21	02:07	02:16	03:01	02:10
9:20 AM		02:17	02:14	02:07	02:14	02:12	02:25	02:16	02:09	02:19	02:42	02:18
9:30 AM		02:14	02:16	02:15	02:15	02:29		02:16	02:13	02:18	02:38	02:10
9:40 AM		02:15	02:15	02:22	02:23	02:20	02:22	02:17	02:03	02:07	02:35	02:25
9:50 AM		02:13	02:16	02:15	02:11	02:17	02:10	02:17	02:09	02:15	02:30	02:27
10:00 AM		02:15	02:19	02:10	02:19	02:26	02:07	02:17	02:08	02:18	02:30	02:21
10:10 AM		02:11	02:21	02:25	02:25	02:15	02:13	02:17	02:11	02:23	02:39	02:29
10:20 AM		02:23	02:30	02:24	02:17	02:08	02:25	02:24	02:14	02:14	02:33	02:11
10:21 AM								02:26				
10:30 AM		02:29	02:22	02:26	02:16	02:18	02:21	02:22	02:15	02:11	02:37	02:45
10:40 AM		02:19	02:13	02:22	02:20	02:16	02:16	02:23	02:13	02:15	02:36	02:27
10:50 AM		02:22	02:19	02:17	02:18	02:11	02:07	02:24	02:24	02:25	02:28	02:20
11:00 AM		02:23	02:26	02:24	02:12	02:13	02:19	02:15	02:14	02:18	02:41	02:16
11:10 AM		02:22	02:24	02:30	02:10	02:08	02:18	02:23		02:25	02:27	02:19
11:20 AM		02:26	02:31	02:22	02:19	02:13	02:22	02:14	02:25	02:25	02:27	02:22

ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		02:18	02:26	02:12	02:18	02:09	02:17	02:13	02:20	02:16	02:18	02:24
11:40 AM		02:26	02:19	02:15	02:19	02:19	02:23	02:13	02:20	02:19	02:31	02:26
11:50 AM		02:27	02:25	02:16	02:15	02:28	02:17	02:26	02:18	02:25	02:39	02:16
12:00 PM		02:21	02:24	02:17	02:28	02:19	02:21	02:21	02:19	02:21	02:45	02:19
12:10 PM		02:26	02:23	02:17	02:27	02:27	02:37	02:15	02:21	02:18	02:31	02:26
12:20 PM		02:27	02:32	02:14	02:25	02:22	02:35	02:18	02:32	02:10	02:31	02:20
12:30 PM		02:30	02:27	02:17	02:30	02:13	02:37	02:17	02:26	02:26	02:34	02:25
12:40 PM		02:21	02:22	02:11	02:24	02:25	02:28	02:21	02:23	02:30	02:37	02:36
12:50 PM		02:22	02:30	02:24	02:23	02:16	02:27	02:22	02:34	02:19	02:27	02:29
1:00 PM		02:23	02:26	02:26	02:24	02:19	02:22	02:17	02:31	02:20	02:37	02:21
1:10 PM	02:16	02:19	02:21	02:16	02:22	02:13	02:25	02:28	02:21	02:16	02:31	02:21
1:20 PM	02:17	02:16	02:27	02:20	02:24	02:13	02:20	02:11	02:19	02:19		02:26
1:30 PM	02:14	02:22	02:23	02:18	02:09	02:31	02:18	02:12	02:29	02:21	02:46	02:18
1:40 PM	02:19	02:28	02:22	02:19	02:15	02:16	02:22	02:18	02:22	02:25	02:46	02:28
1:50 PM	02:18	02:16	02:18	02:34	02:18	02:17	02:20	02:13	02:38	02:28	02:51	02:23
2:00 PM	02:20	02:25	02:24	02:21	02:25	02:20	02:18	02:15	02:43	02:23	02:47	02:20
2:10 PM	02:23	02:24	02:19	02:21	02:18	02:18	02:20	02:20	02:38	02:27	03:04	02:22
2:20 PM	02:24	02:19	02:20	02:14	02:31	02:24	02:26	02:27	02:28	02:21	03:02	02:33
2:30 PM	02:28	02:25	02:29	02:19	02:22	02:29	02:18	02:29	02:25	02:28		02:27
2:40 PM	02:35	02:24	02:30	02:21	02:19	02:33	02:17	02:34	02:50	02:28	02:35	02:21
2:50 PM	02:31	02:38	02:24	02:17	02:23	02:37	02:21	02:24	02:46	02:19	02:37	02:22
3:00 PM	02:32	02:26	02:28	02:21	02:17	02:20	02:19		02:41	02:28		02:39
3:10 PM	02:38	02:34	02:33	02:23	02:26	02:19	02:25	02:20	02:47	02:28	02:40	02:34
3:20 PM	02:25	02:26	02:37	02:22	02:24	02:24	02:19	02:26	02:35	02:26	02:39	02:35
3:30 PM	02:27	02:22	02:35	02:30	02:20	02:33	02:09	02:17	02:39	02:16	02:36	02:37
3:40 PM	02:22	02:15	02:26	02:24	02:35	02:24	02:15	02:21	03:01	02:26	02:42	02:31
3:50 PM	02:29	02:31	02:31	02:28	02:34	02:27	02:32	02:32	02:46	02:40	02:43	02:34
4:00 PM	02:23	02:16	02:22	02:28	02:32	02:18	02:20	02:29	02:53	02:15	02:33	02:30
4:10 PM	02:27	02:18	02:30	02:35	02:29	02:33	02:29	02:28	03:18	02:25	02:41	02:26
4:20 PM	02:23	02:20	02:22	02:38	02:19	02:25	02:16	02:18	03:19	02:31	02:40	02:28
4:30 PM	02:23	02:36	02:21	02:23	02:25	02:26	02:25	02:19	02:59	02:23	02:36	02:34
4:40 PM	02:21	02:23	02:31	02:24	02:25	02:20	02:27	02:24	02:58	02:26	02:30	02:33
4:41 PM												
4:50 PM	02:19	02:34	02:32	02:25	02:34	02:28	02:24	02:30	03:03	02:16	02:29	02:29
5:00 PM	02:18	02:24	02:36	02:25	02:23	02:20	02:21	02:24	02:56	02:13	02:31	02:28
5:10 PM	02:35	02:33	02:24	02:29	02:31	02:20	02:27	02:28	02:45	02:19	02:35	02:25
5:20 PM	02:26	02:31	02:39	02:22	02:27	02:25	02:53	02:33	02:54	02:23	02:35	02:29
5:30 PM	02:15	02:23	02:35	02:32	02:21	02:29	02:43	02:22	03:14	02:23	02:35	02:26
5:40 PM	02:17	02:31	02:28	02:36	02:36	02:29	02:35	02:39	03:35	02:20	02:30	02:24
5:50 PM	02:15	02:38	02:31	02:26	02:32	02:38	02:29	02:39	03:05	02:21	02:36	02:27
6:00 PM	02:13	02:38	02:31	02:32	02:25	02:35	02:29	02:28	03:10	02:24	02:35	02:26
6:10 PM	02:16	02:24	02:27	02:28	02:21	02:31	02:28	02:25	02:41	02:26	02:29	02:31



ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	02:21	02:23	02:21	02:22	02:20	02:25	02:26	02:20	02:41	02:22	02:23	02:26
6:30 PM	02:20	02:19	02:22	02:19	02:16	02:23	02:18	02:20	02:27	02:23	02:22	02:22
6:40 PM	02:16	02:22	02:15	02:18	02:15	02:20	02:14	02:19	02:35	02:20	02:20	02:27
6:50 PM	02:15	02:14	02:26	02:16	02:14	02:19	02:11	02:20	02:26	02:15	02:21	02:26
7:00 PM	02:13	02:14	02:14	02:14	02:09	02:14	02:18	02:19	02:29	02:08	02:22	02:22
7:10 PM	02:10	02:16	02:14	02:16	02:14	02:21	02:11	02:19	02:26	02:09	02:32	02:17
7:20 PM	02:11	02:17	02:14	02:22	02:12	02:25	02:13	02:22	02:21	02:05	02:30	02:12
7:30 PM	02:09	02:19	02:24	02:23	02:10	02:30	02:11	02:09	02:16	02:09	02:30	02:11
7:40 PM	02:08	02:16	02:21	02:23	02:08	02:28	02:10	02:09	02:18	02:11	02:28	02:10
7:50 PM	02:09	02:15	02:20	02:23	02:10	02:30	02:12	02:09	02:23	02:03	02:29	02:04
8:00 PM	02:11	02:14	02:16	02:13	02:08	02:27	02:13	02:09	02:26	02:03	02:33	02:00
8:10 PM	02:11	02:11	02:19	02:12	02:01	02:23	02:09	02:16	02:23	02:00	02:33	02:00
8:20 PM	02:15	02:08	02:17	02:10	01:59	02:20	02:08	02:16	02:28	01:59	02:32	02:01
8:30 PM	02:12	02:06	02:15	02:12	01:59	02:18	02:05	02:17	02:27	02:03	02:32	02:04
8:40 PM	02:17	02:10	02:07	02:10	01:59	02:18	02:06	02:14	02:31	02:02	02:30	02:05
8:50 PM	02:20	02:10	02:07	02:12	01:59	02:19	02:06	02:15	02:30	02:05	02:29	02:06

Traction Probe Data Heatmap												
ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:11	02:06	02:18	02:11	02:07	02:09	02:11	02:15	02:15	02:09	02:04	02:14
5:20 AM	02:11	02:08	02:19	02:11	02:06	02:10	02:09	02:14	02:15	02:08	02:05	02:11
5:30 AM	02:08	02:09	02:14	02:06	02:07	02:08	02:08	02:13	02:11	02:07	02:02	02:08
5:40 AM	02:10	02:08	02:20	02:07	02:06	02:06	02:12	02:14	02:08	02:06	02:07	02:06
5:50 AM	02:22	02:08	02:16	02:05	02:00	02:06	02:34	02:14	02:09	02:06	02:04	02:13
6:00 AM			02:15	02:04	02:02	02:11	02:43	02:19	02:15	02:03	02:06	02:17
6:10 AM	02:13	02:11	02:10	02:05	02:03	02:09	02:28	02:18	02:17	02:20	02:04	02:13
6:20 AM	02:09	02:19	02:11	02:04	02:02	02:09	02:12	02:23	02:18	02:31	02:06	02:15
6:30 AM		02:17	02:13	02:07	02:12	02:03	02:17	02:25	02:18	02:27	02:10	02:06
6:40 AM	02:11	02:25	02:14	02:06	02:14	02:13	02:11	02:28	02:12	02:12	02:14	02:21
6:50 AM	02:13	02:30	02:14	02:12	02:21	02:16	02:12	02:19	02:19	02:09	02:17	02:25
7:00 AM	02:14	02:09	02:19	02:18	02:10	02:08	02:19	02:31	02:19	02:15	02:09	02:15
7:10 AM	02:18	02:08	02:22	02:14	02:12	02:14	02:24	02:20	02:13	02:16	02:10	02:20
7:20 AM	02:14	02:10	02:17	02:07	02:13	02:17	02:24	02:13	02:28	02:37	02:15	02:29
7:30 AM	02:11	02:07		02:12	02:16	02:14	02:37	02:18	02:13	02:16	02:20	02:22
7:40 AM	02:13	02:17	02:19	02:34	02:12	02:15	02:18	02:40	02:16	02:21	02:27	02:16
7:50 AM	02:19	02:22	02:28	02:15	02:11	02:17	02:22	02:26	02:31	02:26	02:26	02:20
8:00 AM	02:22	02:15	02:12	02:16	02:17	02:23		02:36	02:11	02:39	02:18	02:16
8:10 AM	02:13	02:16	02:14	02:10	02:11	02:09	02:24	02:21	02:16	02:21	02:18	02:18
8:20 AM	02:17	02:10	02:18	02:21	02:26	02:20	02:23	02:39	02:16	02:28	02:25	02:27
8:30 AM	02:15	02:12	02:23	02:17	02:25	02:18	02:20	02:31	02:13	02:19	02:34	02:14
8:40 AM	02:13		02:13	02:17	02:30	02:20	02:19	02:21	02:14	02:24	02:23	02:19
8:50 AM	02:16	02:12	02:12	02:18	02:23	02:06	02:14	02:15	02:12	02:13	02:23	02:21
9:00 AM	02:12	02:06	02:11	02:15		02:20	02:27	02:18	02:14	02:14	02:21	02:16
9:10 AM	02:16	02:10	02:16	02:04	02:16	02:11	02:32	02:26	02:18	02:14	02:15	02:11
9:20 AM	02:08	02:19	02:17	02:08	02:15	02:11	02:32	02:12	02:19	02:16	02:18	02:12
9:30 AM	02:09	02:19	02:11	02:17	02:18	02:13	02:33	02:20	02:25	02:22	02:11	02:15
9:40 AM	02:16	02:15	02:22	02:22	02:10	02:19	02:33	02:14	02:22	02:24	02:16	02:15
9:50 AM	02:10	02:16	02:22	02:24	02:13	02:16	02:33	02:18	02:17	02:19	02:17	02:14
10:00 AM	02:21	02:07	02:20	02:14	02:13	02:15	02:58	02:20	02:08	02:22	02:16	02:23
10:10 AM	02:17	02:16	02:11	02:07	02:19	02:18	02:36	02:19	02:14	02:24	02:14	02:23
10:20 AM	02:15	02:19	02:09	02:19	02:22	02:15	02:37	02:23	02:19	02:25	02:15	02:26
10:21 AM							02:59	02:23	02:19	02:20	02:24	02:31
10:30 AM	02:15	02:17	02:19	02:18	02:17	02:15	02:34	02:29	02:19	02:16	02:25	02:21
10:40 AM	02:14	02:18	02:33	02:24	02:18	02:22	02:32	02:25	02:10	02:23	02:15	02:17
10:50 AM	02:11	02:14	02:20	02:21	02:22	02:22	02:51	02:23	02:15	02:17	02:15	02:19
11:00 AM	02:10	02:16	02:17	02:20		02:20	03:08	02:27	02:25	02:24	02:18	02:28
11:10 AM	02:14	02:24	02:15	02:10	02:14	02:17	02:57	02:25	02:17	02:22	02:16	02:15
11:20 AM	02:19	02:25	02:15	02:31	02:13	02:23	02:33	02:28	02:36	02:24	02:23	02:26

ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	02:17	02:24	02:25	02:11	02:13	02:24	02:47	02:21	02:27	02:18	02:38	02:27
11:40 AM	02:17	02:21	02:23	02:18	02:14	02:24	02:39	02:28	02:23	02:30	02:15	02:19
11:50 AM	02:20	02:25	02:12	02:25	02:18	02:17	02:42	02:35	02:16	02:33	02:14	02:48
12:00 PM	02:12	02:15	02:05	02:18	02:18	02:30	02:29	02:26	02:33	02:27	02:16	02:37
12:10 PM	02:23	02:20	02:18	02:25	02:19	02:22	02:27	02:23	02:27	02:27	02:16	02:31
12:20 PM	02:23	02:23	02:22	02:15	02:21	02:23	02:37	02:32	02:20	02:19	02:19	02:18
12:30 PM	02:25	02:25	02:21	02:25	02:12	02:26	02:34	02:23	02:18	02:15	02:27	02:31
12:40 PM	02:28	02:20	02:14	02:17	02:19	02:24	02:51	02:27	02:16	02:25	02:23	02:45
12:50 PM	02:25	02:21	02:18	02:24	02:26	02:15	02:46	02:24	02:13	02:22	02:31	02:28
1:00 PM	02:23	02:23	02:21		02:17	02:13	02:37	02:27	02:21	02:29	02:20	02:30
1:10 PM	02:25	02:40	02:29	02:14	02:16	02:28	02:35	02:24	02:24	02:22	02:19	02:29
1:20 PM	02:24	02:42	02:19	02:10	02:11	02:33	02:24	02:25	02:30	02:24	02:21	02:22
1:30 PM	02:34	02:27	02:19	02:23	02:15	02:28	02:33	02:27	02:21	02:27	02:24	02:23
1:40 PM	02:15	02:14	02:32	02:22	02:13	02:18	02:46	02:30	02:20	02:17	02:23	02:28
1:50 PM	02:17	02:13	02:24	02:17	02:15	02:22	02:47	02:26	02:19	02:24	02:21	02:14
2:00 PM	02:24	02:20	02:26	02:20	02:19	02:29	02:40	02:23	02:23	02:30	02:26	02:35
2:10 PM	02:25	02:34	02:35	02:20	02:19	02:27	02:42	02:26	02:18	02:25	02:24	02:28
2:20 PM	02:34	02:17	02:19	02:20	02:12	02:24	02:34	02:27	02:21	02:32	02:23	02:21
2:30 PM	02:24	02:25	02:20	02:24	02:31	02:25	02:41	02:25	02:20	02:23	02:27	02:32
2:40 PM	02:20	02:19	02:27	02:29	02:23	02:24	02:42	02:27	02:31	02:37	02:25	02:29
2:50 PM	02:23	02:33	02:21	02:22	02:23	02:34	03:08	02:24	02:26	02:31	02:27	02:34
3:00 PM	02:29	02:23	02:16	02:19	02:18	02:42	02:43	02:23	02:30	02:25	02:35	02:25
3:10 PM	02:27	02:21	02:35	02:18	02:20	02:44	02:41	02:30	02:18	02:32	02:37	02:28
3:20 PM	02:23	02:26	02:24	02:19	02:20	02:37	02:33	02:33	02:15	02:21	02:27	02:40
3:30 PM	02:31	02:23	02:32	02:21	02:21	02:35	02:38	02:28	02:27	02:31	02:26	02:31
3:40 PM	02:28	02:19	02:19	02:26	02:21	02:43	02:40	02:37	02:23	02:29	02:27	02:30
3:50 PM	02:26	02:20	02:42	02:32	02:15	02:33	02:32	02:28	02:22	02:25	02:24	02:29
4:00 PM	02:25	02:26	02:43	02:55	02:14	02:35	02:52	02:28	02:22	02:24	02:25	02:34
4:10 PM	02:46	02:33	02:22	02:49	02:17	02:52	03:05	02:21	02:25	02:35	02:22	02:28
4:20 PM	02:28	02:30	02:25	02:40	02:20	02:42	02:44	02:30	02:21	02:19	02:24	02:38
4:30 PM	02:23	02:28	02:25	02:39	02:18	02:41	02:40	02:25	02:25	02:36	02:26	02:38
4:40 PM	02:34	02:17	02:27	02:32	02:20	02:53	02:42	02:35	02:16	02:40	02:23	02:47
4:41 PM	02:23						02:39	02:33	02:17	02:25	02:35	02:43
4:50 PM	02:24	02:29	02:18	02:33	02:21	02:42	02:37	02:43	02:16	02:37	02:37	02:48
5:00 PM	02:23	02:32	02:25	02:23	02:23	03:17	02:44	02:34	02:18	02:33	02:34	02:42
5:10 PM	02:27	02:36	02:48	02:18	02:31	02:46	02:45	02:25	02:18	02:38	02:43	02:36
5:20 PM	02:27	02:45	02:48	02:24	02:36	03:11	02:42	02:24	02:33	02:30	02:32	02:29
5:30 PM	02:29	02:24	02:52	02:37	02:31		02:41	02:22	02:29	02:26	02:35	02:30
5:40 PM	02:32	02:29	02:40	02:17	02:30	03:07	02:40	02:28	02:33	02:37	02:26	02:21
5:50 PM	02:22	02:43	02:23	02:10	02:37	02:38	02:52	02:20	02:22	02:28	02:31	02:24
6:00 PM	02:25	02:18	02:21	02:16	02:30	02:37	02:37	02:25	02:23	02:31	02:36	02:31
6:10 PM	02:21	02:26	02:27	02:20	02:21	02:35	02:48	02:21	02:22	02:37	02:32	02:41

ROUTE	Carroll Canyon Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	02:17	02:27	02:28	02:20	02:17	02:30	02:40	02:24	02:20	02:34	02:26	02:36
6:30 PM	02:12	02:34	02:27	02:21	02:14	02:33	02:32	02:25	02:25	02:29	02:29	02:24
6:40 PM	02:13	02:22	02:18	02:24	02:23	02:21	02:28	02:19	02:26	02:24	02:31	02:23
6:50 PM	02:12	02:18	02:19	02:25	02:16	02:26	02:26	02:19	02:18	02:22	02:27	02:19
7:00 PM	02:12	02:11	02:15	02:21	02:22	02:52	02:28	02:13	02:17	02:16	02:28	02:17
7:10 PM	02:18	02:15	02:09	02:14	02:19	02:25	02:25	02:14	02:10	02:18	02:24	02:12
7:20 PM	02:22	02:11	02:11	02:17	02:19	02:59	02:25	02:12	02:08	02:13	02:26	02:10
7:30 PM	02:15	02:14	02:03	02:19	02:17	02:30	02:21	02:10	02:07	02:12	02:19	02:12
7:40 PM	02:10	02:11	02:03	02:15	02:13	02:20	02:19	02:08	02:12	02:10	02:43	02:10
7:50 PM	02:13	02:14	02:03	02:11	02:10	02:22	02:20	02:04	02:12	02:09	02:33	02:13
8:00 PM	02:13	02:12	02:01	02:10	02:09	02:20	02:35	02:05	02:13	02:06	02:34	02:12
8:10 PM	02:17	02:08	02:02	02:09	02:08	02:24	02:36	02:04	02:13	02:07	02:26	02:13
8:20 PM	02:17	02:09	02:03	02:07	02:11	02:23	02:37	02:03	02:13	02:05	02:15	02:12
8:30 PM	02:22	02:10	02:06	02:07	02:11	02:22	02:31	02:03	02:11	02:07	02:11	02:12
8:40 PM	02:20	02:11	02:02	02:13	02:09	02:19						
8:50 PM	02:20	02:11	02:01	02:18	02:08	02:22						

Traction Probe Data Heatmap												
ROUTE	Carroll Canyon Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		03:09	03:16	03:22	03:21	03:11	03:08	03:13	03:22	03:16	03:11	03:06
5:20 AM		03:12	03:20	03:21	03:20	03:05	03:11	03:16	03:17	03:10	03:14	03:06
5:30 AM		03:15	03:24	03:23	03:04		03:13	03:20	03:11	03:10	03:19	03:06
5:40 AM		03:12	03:29	03:18	03:03	03:05	03:12	03:25	03:11	03:11	03:14	03:07
5:50 AM		03:13	03:21	03:13	03:02	03:01	03:04	03:25	03:09	03:06	03:13	03:08
6:00 AM		03:14	03:17	03:03	02:58	03:01	03:08	03:25	03:08	03:05	03:16	03:13
6:10 AM		03:09	03:08	02:59	02:59	03:01	03:10	03:13	03:10	03:06	03:16	03:16
6:20 AM		03:05	03:10	03:01	02:59	03:01	03:02	03:16	03:11	03:08	03:30	03:18
6:30 AM		03:06	03:05	03:00	02:57	02:58	03:02	03:12	03:11	03:09	03:24	03:23
6:40 AM		03:00	03:07	03:13	03:02	03:00	03:04	02:59	02:59	03:06	03:23	03:22
6:50 AM		02:54	03:03	02:59	02:54	03:04	03:06	03:02	03:03	03:03	03:44	03:09
7:00 AM		03:06	03:03	02:54	02:51	03:01	03:13	03:06	03:06	03:01	03:32	03:27
7:10 AM		03:10	03:06	02:55	03:02	02:56	03:08	03:10	03:04	02:59	03:28	03:12
7:20 AM		03:11	03:13	02:46	02:56	02:58	03:01	03:02	02:57	03:00	03:25	03:11
7:30 AM		03:17	03:17	03:04	02:50	03:04	03:09	02:57	02:56	03:04	03:24	02:59
7:40 AM		03:07	03:15	02:59	02:52	03:05	02:54	02:50	02:56	03:03	03:26	03:02
7:50 AM		02:53	03:10	03:13	02:53	03:18	03:00	02:56	03:00	03:09	03:19	03:08
8:00 AM		02:55	03:04	03:06	02:50	03:18	03:02	02:54	02:59	02:51	03:20	03:06
8:10 AM		03:05	03:11	02:59	03:01	03:04	03:07	02:50	02:56	02:50	03:36	03:07
8:20 AM		03:09	02:57	03:03	02:57	02:58	02:49	02:46	02:59	02:53	04:11	03:07
8:30 AM		03:03	03:00	02:55	03:09	03:03	02:54	02:56	02:59	03:07	04:30	02:59
8:40 AM		03:06	03:02	02:58	02:57	03:09	02:56	02:58	03:01	02:56	04:26	03:12
8:50 AM		03:04	03:06	02:58	03:04	02:58	03:00	03:04	03:02	03:03	05:02	03:10
9:00 AM		02:54	03:06	02:58	02:54	03:02	03:01	03:07	03:03	02:58	04:41	02:59
9:10 AM		02:55	03:02	02:56	02:53	02:59	03:05	03:05	03:01	02:47	04:35	03:08
9:20 AM		02:55	02:58	02:53	02:49	02:59	03:15	02:56	03:04	02:46	04:30	03:04
9:30 AM		03:02	02:56	03:17	02:53	02:54	03:00	03:02	03:05	02:58	04:29	03:07
9:40 AM		03:01	02:59	02:59	02:56	02:57	03:01	03:10	03:03	03:05	04:53	03:02
9:50 AM		03:01	02:54	03:03	03:01	02:48	03:05	02:55	02:50	03:04	04:45	03:05
10:00 AM		02:50	02:52	03:08	03:06	02:52	03:04	02:57	02:56	03:10	04:50	03:08
10:10 AM		02:54	03:05	03:00	03:02	02:52	03:03	02:59	03:01	03:06	04:57	03:03
10:20 AM		02:56	03:03	03:00	02:53	02:58	02:57	02:58	02:57	02:59	04:49	03:06
10:21 AM								02:56				
10:30 AM		03:10	03:15	02:54	02:56	02:54	02:51	02:57	02:53	02:54	04:47	03:27
10:40 AM		02:52	02:54	02:57	02:54	02:51	02:56	03:00	02:57	02:55	03:33	03:19
10:50 AM		02:58	02:53	02:57	02:56	02:53	03:15	03:13	02:57	03:00	03:21	03:07
11:00 AM		03:02	02:55	03:00	02:50	02:59	03:03	02:53	02:59	02:58	03:04	03:10
11:10 AM		03:04	02:51	02:57	03:06	03:01	03:04	02:59		03:01	03:17	03:01
11:20 AM		03:11	03:07	03:03	02:59	03:01	03:02	02:49	02:55	03:08	03:21	03:12



ROUTE	Carroll Canyon Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		02:50	03:10	03:04	03:09	03:03	03:01	03:03	02:58	02:52	03:20	03:01
11:40 AM		02:57	02:55	02:57	02:57	03:03	02:58	02:54	03:02	03:03	03:18	03:10
11:50 AM		03:13	02:59	03:02	03:05	03:01	02:58	03:18	03:06	03:01	03:23	03:01
12:00 PM		03:04	03:00	03:00	02:56	02:59	03:04	03:00	02:59	02:57	03:26	03:05
12:10 PM		03:04	03:05	02:56	03:11	03:15	03:09	02:57	03:09	02:54	03:17	03:02
12:20 PM		03:04	03:02	03:18	02:54	03:04	03:02	03:27	03:16	03:06	03:18	03:02
12:30 PM		03:15	03:02	02:59	02:59	03:08	02:57	02:55	02:50	02:56	03:21	03:10
12:40 PM		02:55	02:58	02:56	02:54	03:06	03:12	02:53	03:09	02:56	03:21	03:05
12:50 PM		03:06	03:08	03:05	03:03	03:09	03:08	03:03	03:11	03:02	03:19	03:09
1:00 PM		03:01	03:02	02:54	02:55	03:00	03:06	02:58	03:15	02:54	03:49	03:14
1:10 PM	02:55	02:58	03:04	02:56	02:57	02:58	03:07	03:00	03:08	02:48	03:33	03:04
1:20 PM	02:58	02:52	03:00	02:51	02:55	02:58	02:54	03:02	02:53	03:10		03:17
1:30 PM	03:02	03:00	03:03	02:46	02:52	02:55	03:07	02:54	02:59	03:03	03:39	03:03
1:40 PM	03:00	02:59	03:02	02:56	02:57	03:02	03:07	02:54	03:23	03:04	03:36	03:06
1:50 PM	03:11	03:00	03:00	03:18	02:46	02:57	03:14	02:56	03:23	03:00	03:39	03:07
2:00 PM	03:05	02:52	02:50	03:08	03:07	03:06	02:59	02:59	03:26	02:56	03:36	03:02
2:10 PM	02:55	02:51	02:57	02:50	03:03	03:00	02:55	02:53	03:20	03:06	03:28	03:03
2:20 PM	02:53	02:54	03:03	03:07	03:01	02:55	03:00	03:02	03:12	02:56	03:17	03:07
2:30 PM	03:03	02:57	02:54	02:50	02:57	02:46	02:46	03:00	03:02	02:54	03:19	03:03
2:40 PM	03:15	03:16	02:55	03:05	02:56	03:00	02:52	03:06	03:09	02:59	03:14	03:13
2:50 PM	03:07	03:16	02:59	02:55	02:59	02:59	03:08	02:49	03:26	03:08	03:06	03:03
3:00 PM	02:55	03:01	02:56	03:01	03:05	03:01	03:01	03:01	03:17	02:57	03:04	02:59
3:10 PM	02:54	03:03	03:00	02:55	02:57	03:08	03:06	03:03	03:28	02:56	03:19	03:08
3:20 PM	02:57	03:01	03:08	02:50	02:53	02:45	02:50	02:56	03:16	02:56	03:21	03:08
3:30 PM	02:58	03:04	03:06	02:58	02:51	02:50	02:56	02:57	03:05	02:56	03:13	03:03
3:40 PM	02:55	03:02	03:16	03:08	03:06	03:04	03:11	03:09	03:25	02:57	03:29	03:16
3:50 PM	02:52	03:10	03:08	02:59	02:58	02:59	03:11	03:29	03:33	03:07	03:26	03:07
4:00 PM	02:51	02:50	03:04	03:10	03:01	03:02	03:18	02:59	03:46	03:16	03:11	03:00
4:10 PM	02:59	02:57	03:10	03:16	03:02	03:06	03:01	03:13	03:58	02:52	03:20	03:01
4:20 PM	03:00	02:59	03:01	03:26	03:19	03:15	03:07	02:56	05:39	02:46	03:14	03:10
4:30 PM	02:51	03:02	03:18	03:00	02:59	02:58	02:59	03:05	09:12	03:02	03:17	02:39
4:40 PM	03:06	03:05	03:02	03:04	03:10	02:57	02:59	03:04	07:49	02:39	03:12	03:13
4:41 PM												
4:50 PM	02:59	02:51	03:09	03:01	03:10	02:56	02:53	02:57	07:48	02:52	03:06	03:05
5:00 PM	02:57	02:58	03:06	02:57	03:01	02:58	02:54	02:58	06:06	02:49	03:11	03:04
5:10 PM	03:02	03:18	03:00	03:00	03:09	03:05	02:56	03:11	05:52	02:51	03:15	02:39
5:20 PM	02:54	03:01	03:05	03:17	03:03	03:02	03:02	03:06	10:55	02:51	03:05	02:39
5:30 PM	02:58	03:15	03:08	03:12	03:06	02:59	03:05	03:04	10:29	02:57	03:07	02:35
5:40 PM	03:00	02:52	03:05	03:09	03:07	02:59	03:11	03:01	11:45	02:51	03:05	02:43
5:50 PM	02:54	03:14	03:02	03:03	02:56	02:54	02:59	02:54	10:12	02:49	03:01	02:57
6:00 PM	02:57	03:07	03:12	02:54	02:57	03:03	02:57	02:46	10:17	02:48	02:55	02:41
6:10 PM	02:55	03:00	03:00	02:55	02:56	03:06	03:01	02:54	08:12	02:46	03:05	02:58

ROUTE	Carroll Canyon Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	02:49	02:59	03:16	02:56	02:48	02:53	02:51	03:00	04:30	02:47	03:09	02:57
6:30 PM	02:57	02:56	02:57	02:53	02:51	02:57	03:02	02:56	04:09	02:52	02:59	02:49
6:40 PM	02:53	02:50	02:42	02:55	02:51	03:04	02:47	02:55	03:12	02:52	02:53	02:58
6:50 PM	02:53	02:52	02:47	02:50	02:48	02:42	02:50	02:40	03:09	02:43	03:00	02:29
7:00 PM	02:59	02:52	02:48	02:55	02:37	02:42	02:50	02:42	03:08	02:42	02:56	02:32
7:10 PM	02:54	02:47	02:51	02:54	02:48	02:41	02:52	02:38	02:57	02:46	02:52	02:22
7:20 PM	02:49	02:48	02:42	02:50	02:50	02:48	02:55	02:44	03:00	02:38	02:58	02:28
7:30 PM	02:49	02:46	02:38	02:46	02:44	02:54	02:48	02:44	02:52	02:40	02:57	02:33
7:40 PM	02:49	02:47	02:36	02:46	02:43	02:53	02:44	02:56	02:48	02:41	02:44	02:28
7:50 PM	02:52	02:50	02:38	02:48	02:53	02:51	02:47	02:53	02:53	02:45	02:43	02:22
8:00 PM	03:03	02:50	02:42	02:42	02:48	02:50	02:44	02:45	02:53	02:48	02:45	02:26
8:10 PM	03:09	02:50	02:40	02:48	02:50	02:44	02:44	02:47	02:44	02:42	02:43	02:32
8:20 PM	03:04	02:49	02:39	02:51	02:52	02:51	02:43	02:47	02:41	02:41	02:43	02:44
8:30 PM	03:08	02:47	02:41	02:49	02:54	02:48	02:49	02:42	02:42	02:40	02:46	02:43
8:40 PM	02:56	02:47	02:39	02:43	02:58	02:47	02:55	02:36	02:42	02:38	02:47	02:38
8:50 PM	02:59	02:48	02:38	02:42	02:54	02:48	02:50	02:38	02:42	02:39	02:47	02:35



Traction Probe Data Heatmap												
ROUTE	Carroll Canyon Rd WB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:51	03:00	02:36	02:49	02:42	02:44	02:40	02:44	02:51	02:47	02:51	02:52
5:20 AM	02:53	03:00	02:36	02:49	02:44	02:36	02:42	02:45	02:51	02:47	02:53	02:52
5:30 AM	02:58	03:00	02:33	02:57	02:47	02:40	02:46	02:46	02:59	02:52	02:54	02:46
5:40 AM	03:02	03:02	02:33	02:49	02:47	02:40	02:48	02:46	02:52	02:51	02:57	02:54
5:50 AM	03:02	02:51	02:33	02:49	02:42	02:30	02:53	02:51	02:52	02:51	02:52	02:50
6:00 AM	03:02	02:48		02:50	02:41	02:32	02:55	02:54	02:48	02:44	02:48	02:48
6:10 AM	02:50	02:48	02:37	02:50	02:42	02:34	02:58	03:06	02:43	02:44	02:45	02:51
6:20 AM	02:47	02:44	02:39	02:43	02:42	02:32	03:01	02:59	02:44	02:46	02:44	02:50
6:30 AM		02:47	02:40	02:45	02:48	02:36	02:57	03:03	02:41	02:46	02:39	02:42
6:40 AM	02:41	02:50	02:36	02:48	02:48	02:31	03:07	02:58	02:45	02:42	02:42	02:41
6:50 AM	02:50	02:50	02:42	02:47	02:48	02:31	03:02	02:57	02:38	02:45	02:46	02:45
7:00 AM	02:48	02:47	02:31	02:46	02:40	02:32	02:55	02:53	02:42	02:38	02:37	02:45
7:10 AM	02:35	02:51	02:25	02:44	02:51	02:26	02:50	02:49	02:44	02:35	02:36	02:48
7:20 AM	02:37	02:36	02:25	02:41	02:52	02:31	02:52	02:43	02:48	02:35	02:42	02:47
7:30 AM	02:36	02:32	02:35	02:44	02:49	02:30	02:44	02:44	02:55	02:38	02:38	02:47
7:40 AM	02:42	02:40	02:41	02:44	02:42	02:30	02:42	02:44	03:04	02:47	02:39	02:42
7:50 AM	02:41	02:33	02:43	02:49	02:40	02:28	02:40	02:57	02:53	02:45	02:35	02:46
8:00 AM	02:51	02:30	02:45	02:51	02:42	02:31		03:04	02:51	02:42	02:37	02:43
8:10 AM	02:39	02:31	02:32	02:42	02:44	02:45	02:44	02:55	02:47	02:34	02:34	02:59
8:20 AM	02:42	02:34	02:27	02:42	02:43	02:49	02:30	02:55	02:44	02:34	02:35	02:48
8:30 AM	02:33	02:33	02:22	02:39	02:28	02:56	02:43	02:48	02:45	02:45	02:31	02:50
8:40 AM	02:40		02:26	02:39	02:40	02:40	02:42	02:45	02:47	02:43	02:35	02:39
8:50 AM	02:39	02:40	02:28	02:30	02:52	02:46	02:42	02:48	02:43	02:40	02:30	02:48
9:00 AM	02:29	02:42	02:44	02:35	02:45	02:57	02:49	02:50	02:40	02:30	02:25	02:37
9:10 AM	02:40	02:31	02:35	02:32	02:53	02:44	02:42	03:01	02:38	02:42	02:28	02:40
9:20 AM	02:39	02:49	02:40	02:31	02:36	02:37	02:56	02:55	02:37	03:01	02:38	02:43
9:30 AM	02:40	02:39	02:32	02:39	02:37	02:32	02:53	02:45	02:45	02:53	02:44	02:49
9:40 AM	02:35	02:37	02:40	02:28	02:38	02:39	02:46	02:36	02:47	02:46	02:45	02:37
9:50 AM	02:43	02:39	02:41	02:29	02:45	02:32	02:53	02:42	02:41	02:42	02:47	02:45
10:00 AM	02:37	02:34	02:32	02:38	02:51	02:38	03:08	02:41	02:54	02:39	02:35	02:50
10:10 AM	02:36	02:42	02:41	02:39	02:49	02:36	03:24	02:41	02:37	02:41	02:33	02:47
10:20 AM	02:34	02:39	02:36	02:39	02:38	02:31	04:20	02:39	02:36	02:31	02:40	02:28
10:21 AM							03:31	02:36	02:30	02:38	02:35	02:38
10:30 AM	02:32	02:35	02:29	02:35	02:55	02:41	03:47	02:41	02:31	02:43	02:39	02:33
10:40 AM	02:41	02:41	02:28	02:32	02:34	02:35	02:51	02:35	02:40	02:42	02:34	02:39
10:50 AM	02:34	02:52	02:27	02:26	02:36	02:47	02:59	02:46	02:32	02:45	02:40	02:44
11:00 AM	02:34	02:30	02:35	02:21		02:34	03:28	02:48	02:35	02:46	02:26	02:33
11:10 AM	02:35	02:45	02:36	02:34	02:36	02:39	03:14	02:34	02:29	02:34	02:36	02:35
11:20 AM	02:46	02:40	02:37	02:39	02:34	02:30	03:07	02:47	02:31	02:36	02:42	02:35

ROUTE	Carroll Canyon Rd WB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	02:33	02:45	02:49	02:36	02:34	02:37	03:08	02:35	02:29	02:52	02:52	02:35
11:40 AM	02:35	02:55	02:42	02:38	02:48	02:43	03:02	02:39	02:27	02:43	02:32	02:45
11:50 AM	02:54	02:37	02:33	02:33	02:39	02:28	02:57	02:40	02:30	02:41	02:38	02:46
12:00 PM	02:44		02:41	02:31	02:47	02:30	02:54	02:47	02:39	02:35	02:32	02:43
12:10 PM	02:45	02:50	02:37	02:43	02:35	02:33	02:50	02:39	02:43	02:40	02:42	02:34
12:20 PM	02:53	02:34	02:42	02:45	02:30	02:53	03:03	02:34	02:37	02:44	02:41	02:40
12:30 PM	02:42	02:39	02:42	02:41	02:36	02:42	02:53	02:37	02:38	02:42	02:30	02:42
12:40 PM	02:44	02:44	02:41	02:43	02:35	02:50	02:53	02:37	02:40	02:35	02:34	02:46
12:50 PM	02:46	02:38	02:29	02:35	02:50	02:45	02:57	02:47	02:47	02:46	02:40	02:43
1:00 PM	02:42	02:48	02:31	02:38	02:41	02:37	02:57	02:52	02:44	02:45	02:39	02:43
1:10 PM	02:48	02:53	02:43	02:42	02:36	02:43	02:53	02:42	02:43	02:42	02:30	02:54
1:20 PM	02:38	02:40	02:25	02:31	02:34	02:32	03:01	02:41	02:35	02:55	02:39	02:45
1:30 PM	02:39	02:34	02:31	02:30	02:39	02:40	03:05	02:30	02:39	02:53	02:47	02:38
1:40 PM	02:37	02:40	02:32	02:32	02:39	02:42	03:00	02:36	02:34	02:39	02:39	02:37
1:50 PM	02:42	02:25	02:30	02:33	02:36	02:37	03:04	02:36	02:36	02:41	02:36	02:30
2:00 PM	02:36	02:34	02:32	02:38	02:27	02:36	03:10	02:44	02:39	02:37	02:39	02:46
2:10 PM	02:41	02:26	02:35	02:33	02:36	02:35	02:54	02:40	02:49	02:33	02:37	02:42
2:20 PM	02:44	02:33	02:29	02:36	02:25	02:37	02:51	02:39	02:35	02:34	02:43	02:29
2:30 PM	02:36	02:41	02:24	02:25	02:36	02:29	03:10	02:32	02:45	02:46	02:40	02:53
2:40 PM	02:31	02:34	02:36	02:32	02:30	02:53	03:03	02:36	02:43	02:33	02:39	02:54
2:50 PM	02:40	02:41	02:31	02:34	02:34	02:45	02:58	02:41	02:26	02:25	02:37	02:47
3:00 PM	02:42	02:29	02:34	02:35	02:32	02:53	03:07	02:49	02:25	02:41	02:38	02:48
3:10 PM	02:51	02:46	02:43	02:38	02:42	02:54	03:14	02:33	02:28	02:39	02:38	02:49
3:20 PM	02:43	02:38	02:45	02:32	02:42	03:14	03:23	02:47	02:29	02:33	02:43	02:42
3:30 PM	02:42	02:36	02:33	02:38	02:36	02:59	03:05	02:42	02:41	02:36	02:39	02:51
3:40 PM	02:43	02:42	02:40	02:52	02:42	02:58	03:08	02:43	02:38	02:36	02:36	03:01
3:50 PM	02:45	02:49	02:43	02:40	02:35	03:08	02:56	02:41	02:32	02:32	02:37	03:02
4:00 PM	02:50	02:50	02:42	02:33	02:41	02:49	02:49	02:38	02:29	02:36	02:50	02:57
4:10 PM	02:50	02:47	02:41	02:42	02:50	05:50	02:55	02:29	02:28	02:46	02:39	02:45
4:20 PM	02:48	02:44	02:45	02:32	02:33	08:42	03:11	02:37	02:38	02:43	02:50	02:39
4:30 PM	02:44	02:37	02:43	02:35	02:35	09:13	03:00	02:38	02:30	02:32	03:03	02:38
4:40 PM	02:43	02:41	02:40	02:30	02:40	09:34	02:49	02:37	02:32	02:38	03:05	02:36
4:41 PM	02:39						02:55	02:41	02:26	02:28	03:02	02:34
4:50 PM	02:39	02:39	02:42	02:34	02:43	06:58	02:53	02:40	02:28	02:44	02:51	02:38
5:00 PM	02:30	02:44	02:35	02:29	02:34	05:10	02:55	02:32	02:41	02:43	03:23	02:39
5:10 PM	02:37	02:40	03:48	02:41	02:40	06:38	02:54	02:27	02:23	02:39	03:54	02:34
5:20 PM	02:43	02:46	03:37	02:42	02:39	08:07	02:52	02:29	02:25	02:36	03:09	02:41
5:30 PM	02:33	02:42	03:09	02:40	02:38	08:48	02:49	02:31	02:26	02:34	02:57	02:42
5:40 PM	02:49	02:45	02:49	02:36	02:40	09:15	02:49	02:27	02:33	02:35	02:55	02:35
5:50 PM	02:40	02:50	02:51	02:34	02:46	07:57	02:44	02:29	02:31	02:35	02:46	02:38
6:00 PM	02:43	02:40	02:56	02:33	02:31	08:10	02:44	02:29	02:35	02:26	02:39	02:46
6:10 PM	02:37	02:31	02:38	02:28	02:26	04:07	03:19	02:29	02:31	02:34	02:29	02:49

ROUTE	Carroll Canyon Rd WB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	02:35	02:32	02:45	02:33	02:33	03:22	02:59	02:37	02:37	02:34	02:29	02:35
6:30 PM	02:26	02:26	02:30	02:37	02:38	02:38	02:46	02:27	02:40	02:34	02:30	02:33
6:40 PM	02:34	02:27	02:23	02:37	02:29	02:44	02:54	02:34	02:34	02:27	02:28	02:38
6:50 PM	02:23	02:19	02:31	02:27	02:36	02:47	02:51	02:34	02:29	02:28	02:29	02:35
7:00 PM	02:32	02:24	02:30	02:15	02:23	02:35	02:50	02:24	02:25	02:22	02:35	02:35
7:10 PM	02:24	02:26	02:25	02:20	02:28	02:36	02:43	02:30	02:26	02:27	02:34	02:23
7:20 PM	02:17	02:21	02:27	02:30	02:26	02:41	02:43	02:29	02:26	02:34	02:32	02:22
7:30 PM	02:20	02:24	02:22	02:18	02:26	02:48	02:44	02:30	02:24	02:36	02:36	02:24
7:40 PM	02:20	02:24	02:22	02:20	02:21	02:45	02:36	02:31	02:30	02:35	02:36	02:27
7:50 PM	02:15	02:27	02:18	02:13	02:21	02:39	02:32	02:37	02:32	02:37	02:36	02:27
8:00 PM	02:20	02:24	02:22	02:12	02:22	02:38	02:31	02:34	02:33	02:34	02:27	02:28
8:10 PM	02:21	02:24	02:21	02:14	02:24	02:37	02:33	02:33	02:33	02:34	02:30	02:26
8:20 PM	02:28	02:25	02:22	02:16	02:23	02:35	02:34	02:38	02:32	02:29	02:28	02:27
8:30 PM	02:21	02:26	02:23	02:23	02:17	02:34	02:47	02:36	02:35	02:29	02:26	02:29
8:40 PM	02:17	02:24	02:24	02:16	02:16	02:34						
8:50 PM	02:18	02:24	02:22	02:16	02:16	02:32						

Traction Probe Data Heatmap

ROUTE												
Lusk Blvd EB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		03:21	03:20	03:17	03:21	03:28	03:19	03:17	03:17	03:19	03:26	03:17
5:20 AM		03:25	03:28	03:16	03:12	03:15	03:22	03:15	03:16	03:14	03:28	03:20
5:30 AM		03:53	03:26	03:26	03:21	03:26	03:30	03:14	03:24	03:22	03:35	03:40
5:40 AM		03:27	03:45	04:02	03:22	03:26	03:23	03:29	03:58	03:28	03:42	03:25
5:50 AM		03:39	03:35	03:47	03:34	03:16	03:36	03:17	03:46	03:29	03:38	03:43
6:00 AM		03:48	03:39	03:46	03:27	03:16	03:44	03:21	03:49	03:30	03:34	03:45
6:10 AM		03:48	03:47	04:02	03:26	03:17	03:49	03:29	03:26	03:29	03:42	03:43
6:20 AM		03:42	04:14	04:00	03:35	03:19	03:51	03:31	03:35	03:33	03:59	03:48
6:30 AM		03:41	03:55	03:53	03:34	03:21	03:59	03:31	03:49	03:43	04:07	03:51
6:40 AM		03:50	03:50	03:39	03:51	03:30	04:02	03:31	04:11	03:50	04:03	04:00
6:50 AM		04:30	04:10	03:49	03:59	03:35	03:58	03:32	03:53	03:43	03:59	04:04
7:00 AM		04:14	04:03	03:33	04:10	03:51	03:48	03:46	03:53	03:31	04:02	04:15
7:10 AM		04:57	03:46	03:34	03:44	03:48	03:56	04:05	03:44	03:30	03:52	03:58
7:20 AM		04:08	03:48	03:58	03:36	03:37	03:59	03:52	03:35	03:29	03:47	04:01
7:30 AM		03:50	03:43	03:50	03:55	03:42	03:33	03:43	03:38	03:58	03:44	04:36
7:40 AM		03:54	04:00	03:54	03:54	03:37	03:40	03:39	03:31	03:54	03:48	04:00
7:50 AM		03:58	03:45	03:52	03:57	03:46	03:46	03:35	03:27	03:50	04:01	03:50
8:00 AM		03:53	03:47	03:59	04:00	03:28	03:41	03:44	03:30	04:01	04:15	03:56
8:10 AM		04:12	03:58	04:14	03:55	03:42	03:55	03:50	03:46	04:02	05:00	03:51
8:20 AM		03:50	03:47	04:09	04:04	03:44	03:52	03:48	03:33	04:08	04:43	04:01
8:30 AM		03:46	04:04	04:16	04:04	03:45	04:15	03:57	03:52	04:07	04:20	04:14
8:40 AM		04:01	04:00	03:56	04:20	04:01	04:18	04:03	03:49	03:51	04:20	04:07
8:50 AM		03:55	04:07	04:11	03:53	04:05	04:16	04:27	03:51	03:54	04:30	03:57
9:00 AM		04:08	04:10	04:03	03:56	04:22	04:14	04:05	04:37	04:02	04:23	03:58
9:10 AM		04:07	04:06	03:43	04:00	04:08	04:03	04:08	04:35	04:12	04:02	04:09
9:20 AM		03:59	04:01	03:51	04:15	04:10	04:42	04:05	04:02	03:59	03:50	04:26
9:30 AM		03:41	04:07	03:48	04:24	04:07	04:09	03:54	03:57	04:17	03:57	04:05
9:40 AM		04:02	03:58	04:22	03:58	03:45	04:01	04:15	03:57	04:02	04:12	04:19
9:50 AM		03:57	04:02	04:16	04:12	03:51	04:07	03:52	04:07	04:08	04:03	03:58
10:00 AM		04:01	03:57	04:21	03:55	03:52	04:05	03:52	03:49	04:02	03:42	03:52
10:10 AM		04:01	03:45	03:50	04:00	03:54	04:05	03:56	04:04	03:55	03:34	03:43
10:20 AM		04:07	03:45	03:50	03:57	03:39	04:10	03:58	04:50	03:57	03:39	03:59
10:21 AM								03:59				
10:30 AM		03:43	03:53	03:43	03:59	03:46	04:27	03:51	04:05	03:55	03:42	03:41
10:40 AM		03:54	03:54	03:48	03:52	03:44	03:48	03:48	04:34	03:51	03:36	03:42
10:50 AM		03:44	03:49	03:40	03:40	03:37	03:43	03:53	04:00	03:40	03:41	03:47
11:00 AM		03:49	03:54	03:38	03:57	03:46	03:41	03:55	03:51	03:48	03:30	03:52
11:10 AM		03:30	04:01	03:43	03:52	03:46	03:51	04:11		03:48	03:42	03:45
11:20 AM		03:42	03:51	03:33	04:02	03:57	03:47	03:49	03:57	04:02	03:44	03:49



ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		03:45	03:43	03:31	03:48	03:56	03:46	04:01	03:39	03:49	03:47	03:55
11:40 AM		03:47	03:59	03:49	04:04	04:07	04:03	03:55	03:48	03:53	03:51	04:06
11:50 AM		03:47	03:52	04:01	04:24	04:14	04:20	03:54	04:03	03:46	04:01	04:03
12:00 PM		03:58	04:09	04:09	04:24	04:07	04:00	04:17	03:51	03:58	03:38	04:02
12:10 PM		04:04	04:17	03:57	04:24	04:03	04:08	04:18	04:50	04:05	03:56	04:06
12:20 PM		04:07	04:25	04:08	04:33	04:10	04:10	04:27	04:23	04:27	04:05	04:10
12:30 PM		04:11	04:04	03:55	04:36	04:16	04:16	04:11	04:07	04:11	04:03	04:17
12:40 PM		04:15	04:00	04:01	04:26	04:10	04:12	04:26	04:11	04:37	03:56	04:21
12:50 PM		04:14	04:14	03:59	04:28	04:01	04:22	04:29	04:05	04:21	04:13	03:59
1:00 PM		04:18	04:27	04:08	04:17	04:26	04:18	04:15	04:22	04:08	04:11	04:02
1:10 PM	04:01	04:17	04:03	04:04	04:06	04:05	04:18	04:04	04:09	04:21	03:51	04:06
1:20 PM	03:57	04:10	03:59	04:14	03:59	03:54	04:15	04:04	04:08	04:16		04:33
1:30 PM	03:45	04:05	04:05	04:03	04:14	03:56	03:52	04:20	03:59	04:20	03:51	04:31
1:40 PM	03:41	03:58	03:55	03:50	04:03	03:51	03:49	04:24	03:57	03:57	04:01	04:13
1:50 PM	03:53	04:25	03:36	03:51	04:10	04:04	03:50	03:57	04:15	03:50	03:53	04:08
2:00 PM	03:42	04:19	03:39	03:49	03:54	04:09	04:05	03:53	04:18	03:51	03:48	04:07
2:10 PM	04:06	04:13	03:56	03:47	03:59	04:14	03:57	04:09	04:13	03:49	03:46	04:11
2:20 PM	03:43	03:53	03:52	04:10	04:02	04:05	04:06	04:08	03:59	04:01	03:50	04:03
2:30 PM	03:49	04:01	04:11	03:54	04:00	03:59	03:57	03:58	04:06	04:07	03:57	04:19
2:40 PM	03:44	04:03	04:07	03:56	03:56	03:39	04:04	03:50	04:19	03:55	03:51	04:17
2:50 PM	03:38	03:58	04:19	03:54	03:54	03:57	04:03	03:58	04:42	03:54	03:48	04:09
3:00 PM	03:41	03:50	03:56	03:47	03:51	04:04	04:05	03:49	04:20	03:58	03:54	04:10
3:10 PM	03:52	03:44	03:51	04:01	03:57	04:16	04:08	03:58	04:15	03:59	03:55	03:56
3:20 PM	03:41	03:58	04:13	04:05	04:21	04:17	04:06	03:56	04:10	03:53	03:48	03:51
3:30 PM	03:43	04:02	04:10	03:49	04:08	04:13	04:07	03:55	04:04	04:06	03:55	03:42
3:40 PM	03:40	03:58	04:32	04:05	03:49	03:58	03:53	03:47	03:58	04:03	03:49	03:56
3:50 PM	03:37	03:47	04:29	04:11	04:03	04:00	03:50	03:56	04:32	03:56	04:07	03:55
4:00 PM	03:42	03:53	04:09	04:09	04:17	04:45	03:53	03:54	04:22	04:08	04:06	04:15
4:10 PM	03:51	03:59	04:16	04:10	04:10	04:28	04:02	04:16	04:15	04:01	03:54	04:14
4:20 PM	03:53	04:16	04:07	04:21	04:14	04:30	03:46	03:52	04:18	03:58	04:15	04:07
4:30 PM	03:59	04:00	04:28	03:46	03:59	04:14	03:50	03:55	04:24	03:53	03:47	04:10
4:40 PM	04:10	03:53	04:28	03:58	03:59	04:09	03:50	03:53	04:31	04:00	04:06	04:12
4:41 PM												
4:50 PM	04:03	03:49	04:09	04:03	04:05	04:10	04:02	03:55	04:34	04:04	04:03	03:58
5:00 PM	03:57	03:58	04:17	04:18	03:47	04:11	04:15	04:12	04:46	04:13	04:15	04:13
5:10 PM	03:52	04:25	04:14	04:17	03:46	04:32	04:48	04:07	04:31	04:05	04:06	04:50
5:20 PM	03:43	04:08	04:15	04:11	04:30	04:27	04:07	04:17	05:01	04:04	04:08	04:08
5:30 PM	03:45	03:40	04:02	04:38	04:05	04:41	04:14	04:22	04:49	03:50	04:36	04:31
5:40 PM	03:40	04:15	03:53	04:02	03:56	04:14	04:17	04:14	05:25	03:57	04:11	04:13
5:50 PM	03:50	03:57	04:04	04:33	04:08	04:27	04:41	04:06	05:14	03:42	04:19	04:10
6:00 PM	03:43	04:01	03:57	04:11	03:59	04:09	04:19	04:15	05:25	03:48	04:10	04:03
6:10 PM	04:01	04:03	03:59	03:51	03:55	04:08	04:23	04:14	04:41	03:47	04:11	04:14

ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	04:08	03:56	04:08	04:07	03:55	04:09	04:05	04:21	04:38	03:55	04:04	04:05
6:30 PM	04:00	03:57	03:59	03:58	03:40	04:10	03:59	04:11	04:18	03:51	03:59	04:01
6:40 PM	03:49	03:53	03:55	04:19	03:51	04:25	04:09	03:59	03:54	03:40	03:50	04:08
6:50 PM	03:42	03:56	03:54	04:08	03:43	03:47	03:46	03:53	04:00	03:39	03:51	04:07
7:00 PM	03:31	04:05	03:42	04:19	03:44	03:44	03:56	03:54	03:54	03:37	03:48	04:17
7:10 PM	03:43	04:00	03:35	04:18	03:35	03:41	03:42	03:43	04:14	03:41	03:44	04:01
7:20 PM	03:42	03:58	03:29	04:02	03:38	03:43	03:43	03:41	04:17	03:41	03:32	04:02
7:30 PM	03:40	03:47	03:31	04:00	03:35	03:46	03:33	03:49	04:06	03:47	03:28	03:47
7:40 PM	03:33	03:42	03:33	04:09	03:36	03:44	03:28	03:58	03:51	03:38	03:32	03:39
7:50 PM	03:37	03:47	03:37	03:58	03:34	03:41	03:28	03:47	03:54	03:30	03:37	03:32
8:00 PM	03:38	03:35	03:31	03:51	03:33	03:57	03:27	03:31	03:59	03:25	03:31	03:28
8:10 PM	03:41	03:18	03:31	03:45	03:26	03:52	03:29	03:31	03:47	03:34	03:44	03:22
8:20 PM	03:46	03:34	03:38	03:41	03:22	03:52	03:38	03:27	03:47	03:35	03:57	03:32
8:30 PM	03:45	03:33	03:39	03:43	03:30	03:40	03:35	03:36	03:28	03:46	03:57	03:27
8:40 PM	03:50	03:30	03:32	03:43	03:31	03:48	03:30	03:29	03:28	03:42	04:06	03:27
8:50 PM	03:55	03:31	03:36	03:41	03:31	03:51	03:34	03:23	03:24	03:41	03:56	03:36

Traction Probe Data Heatmap												
ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	03:22	03:12	03:14	03:26	03:18	03:21	03:11	03:04	03:35	03:14	03:21	03:13
5:20 AM	03:25	03:11	03:08	03:23	03:21	03:18	03:11	03:00	03:34	03:14	03:19	03:11
5:30 AM	03:18	03:21	03:17	03:42	03:21	03:13	03:25	03:05	03:25	03:12	03:14	03:26
5:40 AM	03:32	03:55	03:27	03:45	03:26	03:15	04:00	03:13	03:26	03:16	03:20	03:46
5:50 AM	03:26	03:33	03:27	03:34	03:23	03:16	03:45	03:12	03:29	03:16	03:21	03:26
6:00 AM	03:27	03:40	03:27	03:32	03:24	03:20	03:51	03:23	03:27	03:27	03:27	04:03
6:10 AM	03:42	03:30	03:33	03:33	03:27	03:20	03:41	03:34	03:39	03:58	03:36	03:50
6:20 AM	03:26	03:24	03:24	03:32	03:24	03:22	03:40	03:31	03:40	04:00	03:30	03:46
6:30 AM		03:27	03:24	03:33	03:25	03:47	03:37	03:35	03:46	04:06	03:26	03:52
6:40 AM	03:29	03:28	03:26	03:38	03:35	03:49	03:45	03:26	03:46	04:03	03:27	03:45
6:50 AM	03:30	03:19	03:20	03:35	03:35	03:30	03:45	03:30	03:44	03:58	03:23	03:46
7:00 AM	03:44	03:27	03:27	03:53	03:44		04:12	03:37	03:45	03:56	03:35	03:42
7:10 AM	03:38	03:43	03:31	03:45	03:45	03:36	03:33	03:42	03:43	03:54	03:27	03:41
7:20 AM	03:31	03:17	03:33	03:27	03:39	03:37	04:36	03:55	04:06	03:46	03:44	03:34
7:30 AM	03:26	03:21	03:35	03:39	03:35	03:41	03:47	03:57	03:53	03:42	03:49	03:41
7:40 AM	03:43	03:33	03:31	03:33	03:49	03:33	03:48	03:51	03:47	03:40	03:48	03:41
7:50 AM	03:44	03:39	03:41	03:33	04:01	03:36	03:45	03:40	03:43	03:45	03:43	03:39
8:00 AM	04:03	03:53	03:43	03:41	03:53	03:34	03:46	03:38	03:49	03:44	03:35	04:12
8:10 AM	03:56	03:37	03:56	04:00	03:52	03:48	03:41	03:32	03:53	03:57	03:48	03:59
8:20 AM	03:52	03:50	04:01	03:52	03:56	03:53	03:49	03:42	03:50	04:12	04:00	03:52
8:30 AM	04:09	03:51	04:17	03:52	03:52	03:54	03:59	03:53	03:39	04:33	04:09	03:46
8:40 AM	03:55		03:47	03:47	04:10	03:53	03:59	03:53	03:46	04:21	03:52	03:36
8:50 AM	03:53	04:09	03:59	03:41	03:56	03:42	03:50	03:58	03:51	04:09	04:00	03:44
9:00 AM	03:54	04:19	03:49	04:03	03:51	03:34	04:01	04:12	03:52	04:03	03:32	03:58
9:10 AM	03:56	03:51	03:48	03:55	03:48	03:54	04:03	03:55	03:48	04:25	04:03	03:44
9:20 AM	03:42	03:56	03:54	03:54	04:03	03:58	04:00	04:05	03:34	03:55	04:06	03:52
9:30 AM	03:34	04:10	03:44	04:00	04:02	03:42	03:59	04:24	03:56	03:57	04:06	03:52
9:40 AM	03:48	04:03	03:58	03:53	04:24	03:50	03:59	04:04	03:44	03:44	03:57	03:49
9:50 AM	04:04	04:06	03:52	03:52	04:02	03:54	04:01	04:07	03:46	04:05	04:01	03:35
10:00 AM	03:45	03:57	03:55	03:35	03:40	04:10	04:17	04:25	03:44	04:03	03:54	04:01
10:10 AM	03:41	03:57	03:44	03:47	03:37	03:44	04:15	04:10	03:37	03:52	03:41	03:47
10:20 AM	03:57	04:03	03:46	03:40	03:34	03:46	04:02	04:00	03:36	03:54	03:39	03:32
10:21 AM							03:49	04:00	03:41	03:30	04:01	03:46
10:30 AM	03:53	03:55	03:38	03:59	03:54	04:02	03:41	04:00	03:38	03:44	03:51	03:39
10:40 AM	03:42	03:52	03:37	04:14	03:39	03:49	03:35	04:00	03:39	03:49	04:09	03:29
10:50 AM	03:55	03:40	03:32	04:23	03:47	03:36	03:38	04:13	03:39	03:37	03:54	03:40
11:00 AM	03:35	03:44	03:33	04:17		03:37	03:48	04:01	03:27	03:49	03:42	03:55
11:10 AM	03:46	03:31	03:40	04:05	03:45	03:43	03:35	03:44	03:27	03:53	03:45	03:42
11:20 AM	03:35	03:47	04:03	03:46	03:42	03:56	03:42	03:56	03:29	03:48	03:56	03:28



ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:43	03:55	03:51	03:40	03:43	03:44	03:47	04:10	03:32	03:45	04:17	03:35
11:40 AM	03:50	03:47	03:52	03:39	03:39	03:48	03:51	03:51	03:33	03:52	03:50	03:49
11:50 AM	03:35	03:50	03:52	04:04	04:06	03:44	03:45	04:03	03:33	04:03	03:47	03:50
12:00 PM	03:51	03:50	04:07	03:56	04:03	03:47	03:52	04:08	03:46	04:00	03:46	03:53
12:10 PM	03:58	03:55	03:58	04:12	03:58	03:46	04:11	04:07	03:40	03:58	03:49	03:52
12:20 PM	03:50	04:00	04:10	04:15	04:06	03:59		04:13	03:42	04:04	04:02	04:01
12:30 PM	04:10	03:57	04:21	03:57	03:52	04:08	03:49	04:37	03:28	03:53	04:07	03:52
12:40 PM	04:01	03:51	04:23	04:25	03:58	03:56	04:08	04:10	03:47	04:08	03:55	03:39
12:50 PM	04:07	04:05	03:47	04:38	04:10	03:52	04:20	04:23	03:37	04:06	03:56	03:44
1:00 PM	04:02	04:01	04:07	04:26	03:51	03:49	04:02	04:00	03:34	03:59	03:54	03:57
1:10 PM	03:56	04:08	04:13	03:58	04:20	03:49	04:21	04:10	03:42	03:49	03:48	03:46
1:20 PM	04:04	03:50	04:22	03:55	04:11	03:56	04:09	04:07	03:33	04:09	03:36	03:44
1:30 PM	03:55	03:55	04:03	03:54	04:06	03:50	04:07	03:59	03:38	04:03	03:42	03:44
1:40 PM	04:06	03:52	04:01	03:59	04:11	03:49	03:55	04:04	03:37	04:01	03:53	03:44
1:50 PM	03:50	03:54	03:55	04:04	03:51	04:05	04:02	03:50	03:37	03:52	04:03	03:50
2:00 PM	03:59	04:08	03:58	04:07	04:06	04:00	04:15	03:47	03:35	03:49	03:49	03:43
2:10 PM	04:01	03:55	04:09	03:54	03:59	04:08	04:00	04:16	03:38	03:46	03:56	03:37
2:20 PM	03:51	04:13	03:58	03:56	03:49	04:01	03:47	03:52	03:44	03:57	04:10	03:37
2:30 PM	03:45	04:22	03:59	03:47	03:40	03:52	03:43	03:49	03:42	03:52	03:57	03:55
2:40 PM	03:56	04:10	03:55	03:49	03:35	03:56	03:49	04:10	04:06	03:51	04:11	03:59
2:50 PM	04:02	04:02	03:46	03:59	03:37	04:12	04:01	03:51	03:46	03:58	04:14	03:42
3:00 PM	03:48	03:55	03:55	03:46	03:41	03:55	04:27	03:52	03:35	03:54	03:54	03:47
3:10 PM	03:42	04:09	03:55	03:59	04:16	04:07	04:19	03:52	03:37	03:50	03:54	03:37
3:20 PM	03:42	03:56	03:39	04:05	03:54	04:03	04:09	03:56	03:34	03:49	03:50	03:47
3:30 PM	03:36	03:44	03:48	04:16	03:58	03:40	04:05	04:08	03:32	03:48	03:53	03:48
3:40 PM	03:52	03:51	03:48	03:58	03:59	03:58	04:08	03:59	03:27	03:50	03:47	03:59
3:50 PM	04:13	04:24	03:55	04:10	03:48	03:41	04:08	03:59	03:30	03:55	03:36	04:09
4:00 PM	04:13	04:20	03:45	04:13	03:48	03:45	04:11	03:57	03:20	03:50	03:42	03:49
4:10 PM	03:57	04:21	04:01	04:28	03:41	03:47	04:02	03:44	03:16	03:57	03:49	03:49
4:20 PM	04:06	04:15	03:58	04:02	03:46	04:10	03:50	03:43	03:12	04:01	03:55	03:47
4:30 PM	04:20	04:09	03:59	04:01	03:44	04:04	04:12	03:57	03:23	03:59	03:45	03:48
4:40 PM	03:51	04:08	03:51	03:59	03:47	04:14	03:58	04:16	03:23	04:18	03:47	03:38
4:41 PM	03:53						04:14	04:01	03:32	04:00	03:46	03:31
4:50 PM	04:14	04:04	03:48	04:07	04:03	04:02	03:53	03:52	03:47	04:04	04:08	03:50
5:00 PM	04:07	04:07	04:01	04:05	04:16	03:54	03:42	03:54	03:52	04:06	03:56	03:46
5:10 PM	03:59	04:04	04:11	03:56	04:27	04:04	03:47	04:09	03:58	04:04	04:36	03:51
5:20 PM	04:06	04:14	03:58	04:01	04:20	04:22	03:47	04:20	04:02	04:12	03:54	04:03
5:30 PM	04:05	03:50	04:02	04:10	04:02	04:35	03:52	04:15	03:59	04:33	03:47	04:01
5:40 PM	04:01	04:09	04:01	04:13	03:51	04:23	04:01	03:52	03:43	04:11	04:02	04:05
5:50 PM	04:12	04:08	04:00	04:15	04:06	04:26	03:59	03:58	03:33	04:39	04:05	03:54
6:00 PM	03:52	04:10	03:44	04:12	03:55	04:22	03:55	03:51	03:34	04:05	04:02	03:51
6:10 PM	04:14	04:13	03:37	04:08	04:12	04:37	03:51	03:50	03:33	04:00	04:18	03:50

ROUTE	Lusk Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	04:17	04:12	03:55	04:30	03:48	04:11	03:59	03:38	03:42	04:27	03:49	03:56
6:30 PM	04:11	04:14	03:46	04:09	03:41	04:20	03:48	03:49	03:41	04:09	03:43	03:49
6:40 PM	03:51	03:45	03:42	04:04	03:42	04:08	03:40	03:44	03:49	03:57	03:39	03:56
6:50 PM	03:45	03:44	03:40	03:50	03:32	03:57	03:42	03:36	03:45	03:58	03:34	03:46
7:00 PM	03:38	03:54	03:36	03:46	03:37	03:53	03:37	03:39	03:43	03:45	03:37	03:50
7:10 PM	03:36	03:58	03:47	03:40	03:27	03:54	03:30	03:31	03:42	03:34	03:25	03:40
7:20 PM	03:43	03:58	03:29	03:39	03:48	03:58	03:21	03:41	03:43	03:37	03:33	03:31
7:30 PM	03:32	03:49	03:33	03:34	03:35	03:50	03:28	03:32	03:46	03:32	03:21	03:31
7:40 PM	03:45	03:38	03:35	03:29	03:35	03:41	03:38	03:27	03:47	03:28	03:25	03:33
7:50 PM	03:41	03:33	04:19	03:20	03:26	03:37	03:37	03:25	03:42	03:38	03:29	03:28
8:00 PM	03:29	03:35	04:30	03:24	03:20	03:32	03:30	03:28	03:41	03:31	03:20	03:30
8:10 PM	03:32	03:31	04:18	03:20	03:20	03:33	03:22	03:30	03:40	03:25	03:18	03:32
8:20 PM	03:31	03:36	04:02	03:17	03:22	03:24	03:16	03:30	03:42	03:30	03:25	03:34
8:30 PM	03:31	03:33	03:55	03:17	03:30	03:30	03:19	03:31	03:51	03:29	03:21	03:37
8:40 PM	03:33	03:35	03:41	03:21	03:41	03:31						
8:50 PM	03:32	03:31	03:37	03:21	03:49	03:46						

Traction Probe Data Heatmap

ROUTE Lusk Blvd WB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		03:38	03:15	03:42	03:37	03:33	03:43	03:34	03:38	03:31	03:25	03:51
5:20 AM		03:34	03:14	03:57	03:39	03:35	03:39	03:20	03:50	03:30	03:23	03:47
5:30 AM		03:37	03:13	03:59	03:41	03:32	03:37	03:22	03:54	03:44	03:15	03:56
5:40 AM		03:58	03:22	03:46	03:36	03:38	03:34	03:28	03:38	03:44	03:40	03:43
5:50 AM		03:49	03:22	03:46	03:54	03:29	03:40	03:28	03:37	03:44	03:36	03:45
6:00 AM		03:33	03:35	03:38	03:37	03:30	03:43	03:23	03:47	03:47	03:37	03:40
6:10 AM		03:34	03:26	03:33	03:36	03:30	03:49	03:20	03:35	03:32	03:36	03:39
6:20 AM		03:28	03:29	03:24	03:35	03:35	04:03	03:24	03:55	03:31	03:42	03:44
6:30 AM		03:31	03:34	03:21	03:40	03:39	03:54	03:38	03:48	03:39	03:44	03:45
6:40 AM		03:42	03:37	03:28	03:38	03:32	03:55	03:35	04:05	03:42	03:55	03:59
6:50 AM		03:54	03:25	03:51	03:45	03:34	03:48	03:31	05:17	03:31	03:49	03:48
7:00 AM		03:40	03:22	03:45	03:51	03:49	03:50	03:40	05:07	03:53	03:22	04:01
7:10 AM		03:25	03:21	03:46	03:42	03:53	03:41	03:27	04:28	03:36	03:30	03:38
7:20 AM		03:32	03:30	03:43	03:52	03:54	03:37	03:25	03:49	03:38	03:42	03:54
7:30 AM		03:47	03:27	03:38	03:43	03:59	03:26	03:34	03:48	03:28	03:37	03:39
7:40 AM		03:57	03:40	03:59	03:39	03:57	03:45	03:49	03:53	03:48	03:28	03:45
7:50 AM		04:11	03:52	03:38	03:48	03:44	03:34	03:41	03:45	03:31	03:42	03:56
8:00 AM		03:46	03:41	03:37	03:35	03:43	03:30	03:27	03:37	03:38	03:47	03:38
8:10 AM		04:00	03:48	04:21	03:33	03:48	03:50	03:48	03:35	03:33	03:42	03:36
8:20 AM		03:46	04:04	04:04	03:26	04:01	04:00	03:40	03:35	03:37	03:44	03:28
8:30 AM		03:48	04:11	03:41	03:50	04:03	03:52	03:54	03:34	03:32	03:41	
8:40 AM		04:07	03:49	03:44	04:04	03:59	03:56	04:07	04:01	03:59	03:43	03:47
8:50 AM		03:56	03:55	03:42	03:54	04:01	04:10	03:53	03:56	03:49	03:39	04:17
9:00 AM		04:02	04:05	04:01	04:04	03:45	04:05	03:37	03:56	03:45	03:49	03:55
9:10 AM		04:01	04:05	04:06	04:29	03:43	04:00	03:49	03:34	03:48	03:40	03:57
9:20 AM		04:06	04:03	03:43	04:07	03:56	03:52	03:53	03:45	03:48	03:50	04:00
9:30 AM		04:24	04:15	03:59	04:05	04:05	03:57	03:56	03:56	04:00	03:58	04:02
9:40 AM		03:53	03:50	03:54	04:13	03:55	03:33	04:16	04:10	03:34	04:04	04:02
9:50 AM		03:54	04:13	04:08	03:43	04:31	03:47	04:04	03:46	04:04	03:39	04:18
10:00 AM		03:53	04:07	04:00	03:51	04:29	03:43		03:48	03:51		03:56
10:10 AM		03:56	03:51	03:56	04:19	03:51	03:45	03:43	03:30	03:49	03:52	03:54
10:20 AM		03:29	04:03	03:45	03:52	04:06	03:52	03:53	03:40	03:40	03:49	03:56
10:21 AM								03:53				
10:30 AM		03:40	03:47	03:55	03:47	04:06	03:39	03:44	03:48	04:01	03:49	
10:40 AM		03:57	03:53	03:52	03:56	04:22	03:31	03:41	03:55	04:01	03:28	03:41
10:50 AM		03:51	03:44	03:48	03:51	04:07	03:24	03:32	03:46	03:38	03:27	03:37
11:00 AM		03:42	03:37	03:47	03:54		03:22	03:45	03:52	03:54	03:36	03:39
11:10 AM		03:30	03:32	03:54	03:47	03:49	03:29	03:46		03:48	03:35	03:36
11:20 AM		03:33	03:44	04:01	04:00	03:33	03:24	03:49	03:34	03:44	03:43	03:39

ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		03:44	03:34	03:49	03:50	03:25	03:47	04:15	03:45	03:57	03:43	03:52
11:40 AM		03:38	03:49	04:01	03:58	03:33	03:44	03:56	03:50	03:56	03:35	03:43
11:50 AM		03:54	03:29	04:04	03:57	03:46	03:41	03:51	03:55	03:41	03:58	03:49
12:00 PM		03:51	03:41	03:49	03:49	04:28		04:07	03:53	03:38	04:01	03:48
12:10 PM		04:29	04:01	04:00	03:42	04:14	04:11	04:05	04:13	04:19	04:00	03:40
12:20 PM		04:08	04:03	04:08	04:00	04:08	03:55	04:13	04:19	04:16	03:54	03:45
12:30 PM		04:04	04:49	04:08	04:05	03:58	04:01	04:21	04:02	03:55	04:25	03:51
12:40 PM		04:07	04:11	04:08	04:06	03:43	03:51	04:09	03:52	03:57	04:11	03:57
12:50 PM		03:49	04:13	04:23	04:10	04:20	04:13	04:17	03:43	03:51	03:57	03:55
1:00 PM		03:44	03:59	04:07	04:12	04:04	03:54	03:55	04:08	03:43	04:02	03:56
1:10 PM	03:47	03:53	03:56	03:57	03:54	04:01	04:02	03:51	04:02	03:39	03:56	03:41
1:20 PM	03:43	04:04	03:54	03:58	03:45	04:07	03:48	03:40	04:04	03:52		03:49
1:30 PM	03:36	03:55	04:08	04:19	03:51	03:58	03:42	03:50	04:01	03:36	03:49	03:40
1:40 PM	03:43	03:45	04:19	03:44	03:50	03:50	03:49	04:00	04:07	03:38	03:48	03:34
1:50 PM	03:44	03:59	04:00	04:05	04:04	03:59	03:57	04:11	04:01	03:38	03:45	04:07
2:00 PM	03:41	03:45	03:57	03:48	03:43	03:53	03:36	03:54	04:01	03:42	03:40	03:42
2:10 PM	03:47	03:51	03:49	03:54	03:50	03:47	03:40	03:43	04:02	03:41	04:01	03:51
2:20 PM	03:42	03:47	03:42	04:06	03:53	03:43	03:57	03:37	03:45	03:30	03:50	03:46
2:30 PM	03:32	04:03	03:36	04:21	03:47	03:43	03:37	03:45	03:32	03:33		
2:40 PM	03:38	03:54	03:40	04:04	03:49	03:55	03:42	03:51	03:46	03:56	03:55	03:53
2:50 PM	03:50	03:39	03:29	03:56	03:48	04:02	03:46	03:40	03:42	03:58	03:51	03:50
3:00 PM	03:36	03:38	03:34	03:39		04:08	03:47	03:33	03:44	03:53	03:41	03:52
3:10 PM	03:36	03:36	03:58	03:41	03:41	03:55	03:36	03:41	03:37	03:50	03:49	03:52
3:20 PM	03:37	03:54	03:52	03:45	03:46	04:13	03:31	04:00	03:42	03:42	03:54	04:10
3:30 PM	03:38	03:41	03:47	03:41	03:55	04:10	03:27	04:02	03:40	03:28	03:51	04:17
3:40 PM	03:43	03:45	03:51	03:48	03:53	04:16	03:52	04:05	03:35	03:58	03:56	03:50
3:50 PM	03:46	03:52	03:50	03:51	03:50	04:03	03:44	04:03	03:35	03:44	04:00	03:43
4:00 PM	03:35	03:50	04:03	03:46	03:46	04:22	03:49	04:13	03:41	03:33	03:52	03:48
4:10 PM	03:37	03:59	03:51	03:35	04:08	04:18	03:58	03:54	04:03	03:58	03:42	03:54
4:20 PM	03:39	03:46	04:20	03:39	04:18	04:28	03:41	03:56	04:18	03:43	03:54	04:00
4:30 PM	03:56	03:57	04:00	03:30	04:10	04:18	03:38	03:50	04:14	03:23	03:34	04:03
4:40 PM	03:33	03:48	04:19	03:47	03:54	03:45	03:47	03:46	04:19	03:57	04:09	03:47
4:41 PM												
4:50 PM	03:56	03:43	03:54	03:43	03:49	03:45	03:31	03:52	05:05	04:11	04:07	04:16
5:00 PM	03:38	03:56	03:53	03:45	03:58	03:43	03:34	03:47	05:14	03:35	04:02	04:02
5:10 PM	03:35	03:45	04:10	04:04	03:53	03:44	03:59	03:54	04:53	03:48	03:59	04:01
5:20 PM	03:58	03:36	03:50	04:07	03:44	03:49	03:50	03:50	07:34	04:10	03:54	03:49
5:30 PM	03:50	03:39	03:55	04:04	03:40	03:40	03:50	03:46	12:40	03:49	03:46	03:55
5:40 PM	03:41	04:15	03:45	04:01	03:45	03:57	03:49	03:57	07:32	03:49	03:50	03:44
5:50 PM	03:42	03:56	04:18	03:58	03:35	03:51	03:28	03:47	12:14	03:38	03:58	03:34
6:00 PM	03:58	03:47	04:02	03:52	03:58	04:10	03:53	03:44	07:56	03:56	03:58	03:31
6:10 PM	03:46	03:44	04:02	03:41	03:44	03:37	03:44	03:36	04:08	03:36	03:56	03:39

ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	03:40	03:39	03:39	03:54	03:50	03:56	03:41	03:57	04:08	03:42	03:59	03:41
6:30 PM	03:31	03:34	03:41	03:56	03:41	03:58	03:33	03:42	05:03	03:32	03:43	03:38
6:40 PM	03:34	03:33	03:34	03:57	03:29	03:36	03:26	03:38	04:42	03:52	03:31	04:07
6:50 PM	03:35	03:25	03:40	03:57	03:42	03:47	03:54	03:44	04:06	03:39	03:30	03:17
7:00 PM	03:37	03:33	03:56	04:00	03:32	03:38	04:01	03:28	03:42	03:40	03:32	03:24
7:10 PM	03:20	03:29	03:32	03:40	03:33	03:41	03:30	03:17	03:44	03:32	03:36	03:22
7:20 PM	03:21	03:26	03:34	03:58	03:27	03:36	03:34	03:23	03:57	03:27	03:51	03:25
7:30 PM	03:31	03:44	03:31	03:51	03:31	03:26	03:35	03:20	03:54	03:21	03:46	03:22
7:40 PM	03:37	03:42	03:33	03:41	03:35	03:30	03:29	03:28	03:36	03:24	03:53	03:26
7:50 PM	03:34	03:48	03:40	03:45	03:39	03:28	03:30	03:32	03:34	03:15	03:44	03:31
8:00 PM	03:39	03:59	03:37	03:37	03:22	03:31	03:33	03:31	03:43	03:19	03:43	03:25
8:10 PM	03:36	03:54	03:33	03:37	03:25	03:39	03:59	03:36	03:39	03:24	03:44	03:33
8:20 PM	03:28	03:53	03:41	03:36	03:25	03:23	03:56	03:46	03:30	03:27	03:49	03:37
8:30 PM	03:24	03:56	03:30	03:34	03:13	03:19	03:57	03:44	03:43	03:15	03:28	03:36
8:40 PM	03:22	03:56	03:28	03:34	03:14	03:24	03:39	03:43	03:39	03:21	03:24	03:38
8:50 PM	03:24	03:58	03:29	03:36	03:16	03:26	03:30	03:41	03:46	03:26	03:22	03:42



	Traction Probe Data Heatmap											
ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	03:02	03:38	03:28	03:26	03:31	03:15	03:30	03:24	03:18	03:36	03:15	03:30
5:20 AM	03:04	03:50	03:23	03:17	03:31	03:14	03:40	03:24	03:19	03:40	03:13	03:43
5:30 AM	03:11	03:57	03:27	03:23	03:29	03:18	03:47	03:41	03:17	03:51	03:16	03:56
5:40 AM	03:14	03:42	03:24	03:31	03:22	03:27	03:30	03:37	03:27	03:49	03:28	03:34
5:50 AM	03:18	03:35	03:29	03:30	03:24	03:23	03:40	03:35	03:26	03:48	03:18	03:27
6:00 AM	03:23	03:30	03:33	03:31	03:31	03:29	04:14	03:40	03:30	04:53	03:34	03:34
6:10 AM	03:18	03:28	03:39	03:50	03:31	03:33	04:08	03:37	03:39	04:08	03:20	03:13
6:20 AM	03:29	03:28	03:38	03:35	03:32	03:26	03:53	03:29	03:38	03:59	03:20	03:17
6:30 AM		03:27	03:35	03:32	03:31	03:26	03:53	03:34	03:48	03:45	03:23	03:17
6:40 AM	03:18	03:26	03:30	03:32	03:28	03:30	03:55	03:27	03:45	03:36	03:28	03:34
6:50 AM	03:24	03:28	03:26	03:26	03:26	03:38	03:39	03:23	03:40	03:59	03:25	03:32
7:00 AM	03:26	03:33	03:24	03:35	03:31	03:53	03:42	03:19	03:41	04:03	03:27	03:32
7:10 AM	03:06	03:48	03:25	04:08	03:53	03:31	03:57	03:19	03:52	03:27	03:17	03:34
7:20 AM	03:18	03:44	03:33	03:55	03:36	03:31	03:48	03:32	03:29	03:55	03:21	03:37
7:30 AM	03:23	03:22		03:42	03:29	03:26	03:33	03:35	03:33	03:29	03:44	03:43
7:40 AM	03:36	03:28	03:37	03:33	03:33	03:25	03:52	03:32	03:43	03:34	03:41	03:56
7:50 AM	03:48	03:30	03:27	03:45	03:41	03:23	03:27	03:35	03:42	03:47	03:35	03:47
8:00 AM	03:38	03:22	03:26	03:41	03:38	03:23	03:49	03:43	03:55	03:42	04:02	03:40
8:10 AM	03:47	03:30	03:46	03:39	03:58	03:48	03:54	03:39	03:56	03:54	03:33	03:31
8:20 AM	03:53	03:44	03:47	03:45	03:34	03:48	03:44	03:46	03:43	04:08	03:42	03:24
8:30 AM	03:31	04:00		03:46	04:24	03:52		03:51	03:44	03:39	03:48	03:33
8:40 AM	03:26		03:42	04:05	03:42	03:48	03:50	03:53	03:48	03:46	04:05	03:27
8:50 AM	03:54	03:58	03:37	04:04	03:42	03:48	03:28	03:31	03:36	03:29	04:07	03:57
9:00 AM	03:50	03:56	03:57	04:03	04:00	03:40	03:54	03:44	03:33	03:26	04:14	03:44
9:10 AM	03:56	03:31	03:57	03:30	03:56	03:34	03:55	03:46	03:36	03:33	04:12	04:11
9:20 AM	03:55	03:41	03:46	03:38	03:46	03:41	03:55	03:45	03:42	03:40	04:03	03:40
9:30 AM	03:55	03:42	03:44	03:45	03:57	03:46	03:56	03:49	03:54	03:30	03:44	03:37
9:40 AM	03:52	03:49	03:43	03:46	03:51	03:41	03:53	04:01	03:53	03:36	03:54	03:38
9:50 AM	03:55	03:35	03:50	03:46	03:35	03:54	03:56	03:58	03:59	03:49	04:00	03:38
10:00 AM	03:39	03:33	04:02	03:42	04:09	03:42	03:41	03:46	03:33	03:50	04:20	03:35
10:10 AM	03:55	03:34	03:59	03:46	03:35	03:39	03:44	04:27	03:21	04:01	03:35	03:42
10:20 AM	03:44	03:57	03:41	03:54	03:22	03:33	03:48	04:30	03:20	03:23	03:42	03:25
10:21 AM							03:36	04:23	03:24	03:26	03:33	03:28
10:30 AM	03:49	03:46	03:31	03:41	04:10	03:39	04:03	04:03	03:18	03:41	03:47	03:37
10:40 AM	03:42	03:44	03:39	03:30	04:03	03:51	04:08	04:04	03:25	03:34	03:52	03:50
10:50 AM	03:35	03:37	03:47	03:50	03:55	04:00	03:46	03:59	03:41	03:46	04:09	03:40
11:00 AM	03:40	03:30	03:34	03:48		03:43	03:54	04:03	03:41	03:45	03:36	03:37
11:10 AM	03:33	03:38	03:31	03:21	03:24	03:32	03:57	03:53	03:39	03:32	03:57	03:47
11:20 AM	03:32	03:45	03:44	03:41	03:32	03:21	04:03	04:07	03:35	03:28	04:05	03:40

ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:41	03:36	03:42	03:50	03:34	03:36	03:57	03:55	03:37	03:35	04:03	03:35
11:40 AM	04:09	03:36	03:30	03:53	03:56	03:40	03:57	03:58	03:33	03:33	03:37	03:49
11:50 AM	04:12	03:46	03:35	04:08	03:47	03:46	03:54	03:58	03:39	03:48	03:38	04:19
12:00 PM	03:55	03:45	03:38	04:04	03:47	03:57	03:49	03:46	03:42	03:52	04:07	04:08
12:10 PM	03:57	04:03	03:48	04:11	04:11	03:53	04:12	03:34	03:47	03:53	03:46	04:20
12:20 PM	04:12	04:16	03:58	03:49	04:04	03:53	03:58	03:57	03:38	03:44	04:03	03:44
12:30 PM	03:40		03:53	03:52	03:47	03:57	03:46	03:46	03:47	03:51	03:54	03:39
12:40 PM	04:01	04:01	03:57	03:47	04:00	03:53	03:56	04:00	03:43	03:41	03:43	03:51
12:50 PM	03:52	04:02	03:43	03:53	04:01	03:45	04:12	04:06	03:53	03:54	03:54	04:04
1:00 PM	04:02	04:06	03:38	03:50	04:02	03:42	04:09	03:59	03:59	03:54	03:52	04:05
1:10 PM	03:44	04:08	04:12	03:38	03:59	03:41	03:50	04:05	03:43	04:10	03:49	03:49
1:20 PM	03:52	03:37	04:02	03:44	04:00	03:58	03:57	04:03	03:31	03:43	03:31	03:49
1:30 PM	04:13	03:48	03:53	03:49	04:09	03:53	04:03	03:35	03:31	03:48	03:30	03:41
1:40 PM	04:14	03:35	03:48	03:32	03:52	03:48	04:05	03:56	03:29	03:38	03:41	03:34
1:50 PM	04:08	03:47	03:38	03:25	03:38	03:59	04:08	03:40	03:34	03:46	03:37	03:56
2:00 PM	03:46	03:33	03:38	03:45	03:45	04:09	04:08	03:39	03:24	03:44	03:36	03:46
2:10 PM	04:06	03:33	03:55	03:42	03:29	04:13	03:54	03:40	03:30	04:04	03:39	03:50
2:20 PM	03:54	03:43	03:51	03:59	03:54	04:04	03:52	03:36	03:38	03:40	03:23	04:04
2:30 PM	03:48	03:56	04:04	03:46	03:32	03:56	04:01	03:56	03:33	03:33	03:39	04:01
2:40 PM	03:55	03:42	04:09	03:52	03:35	04:02	03:47	03:55	03:39	03:45	03:41	03:55
2:50 PM	03:39	03:32	03:56	03:45	03:43	03:49	03:45	03:46	03:31	03:46	03:19	03:52
3:00 PM	03:42	03:47			03:40	03:30	03:39	03:33	03:31	03:36	03:35	03:46
3:10 PM	03:39	03:35	03:38	03:32	03:59	03:49	03:32	03:49	03:34	03:37	03:50	03:43
3:20 PM	03:54	03:45	03:31	03:40	04:06	03:37	03:36	03:56	03:33	03:34	03:45	03:28
3:30 PM	03:38	03:47	03:42	03:52	03:54	03:37	04:05	03:57	03:28	03:50	03:38	03:43
3:40 PM	03:47	04:05	03:52	04:06	03:30	03:41	04:27	04:04	03:32	04:01	03:31	03:29
3:50 PM	03:37	03:56	03:44	03:48	03:23	03:52	04:04	03:42	03:47	04:01	03:35	03:35
4:00 PM	03:48	03:43	03:23	03:43	03:33	03:41	03:53	03:52	03:31	03:58	03:40	03:27
4:10 PM	03:49	03:35	03:37	04:14	03:36	03:42	03:57	03:42	03:33	03:37	03:35	03:29
4:20 PM	03:53	03:44	03:43	03:34	03:46	03:50	03:47	03:42	03:35	03:38	03:28	03:35
4:30 PM	03:47	03:46	03:44	03:37	04:03	04:01	03:55	03:29	03:36	03:37	03:37	03:41
4:40 PM	04:15	03:55	03:44	03:43	03:42	03:55	03:46	03:39	03:32	03:30	03:27	03:52
4:41 PM	04:25						03:33	03:31	03:29	03:32	03:41	03:48
4:50 PM	04:10	03:43	03:45	03:48	03:42	04:18	03:52	03:45	03:34	03:46	03:40	03:40
5:00 PM	03:43	03:53	03:30	03:39	03:36	04:37	03:49	03:33	03:29	03:41	03:59	03:39
5:10 PM	03:57	04:01	03:15	03:58	03:51	04:49	03:50	03:41	03:41	03:41	03:49	03:50
5:20 PM	04:01	03:49	03:41	04:06	03:46	05:47	03:44	03:38	03:26	03:46	03:53	03:45
5:30 PM	03:48	03:46	03:41	03:56	03:54	11:36	03:34	03:33	03:25	04:03	03:32	03:38
5:40 PM	03:50	03:48	03:45	03:54	03:36	06:23	03:39	03:35	03:29	03:48	03:26	03:31
5:50 PM	03:50	03:49	03:44	03:51	03:41	05:22	03:48	03:40	03:44	03:41	03:40	03:24
6:00 PM	03:39	03:46	03:50	03:58	03:50	04:29	03:48	03:35	03:31	03:26	03:56	03:29
6:10 PM	03:42	03:33	03:40	04:18	03:30	04:21	03:40	03:47	03:19	03:42	03:42	03:39



ROUTE	Lusk Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	03:34	03:30	03:37	03:48	03:21	04:03	03:42	03:38	03:29	03:43	03:51	04:01
6:30 PM	03:43	03:44	03:30	03:36	03:23	04:21	03:46	03:44	03:23	03:35	03:36	03:58
6:40 PM	03:52	03:37	03:28	03:34	03:44	03:58	03:52	03:46	03:29	03:14	03:40	03:48
6:50 PM	03:38	03:30	03:32	03:43	03:41	03:45	03:50	03:36	03:29	03:26	03:40	03:38
7:00 PM	03:37	03:27	03:29	03:41	03:41	03:52	03:36	03:30	03:30	03:27	03:39	03:33
7:10 PM	03:23	03:24	03:25	03:38	03:29	03:41	03:30	03:17	03:27	03:33	03:30	03:43
7:20 PM	03:14	03:19	03:21	03:25	03:26	03:29	03:35	03:15	03:30	03:35	03:39	03:43
7:30 PM	03:15	03:25	03:25	03:14	03:33	03:29	03:44	03:16	03:21	03:31	03:42	03:37
7:40 PM	03:17	03:21	03:18	03:20	03:31	03:27	03:24	03:21	03:20	03:26	03:40	03:27
7:50 PM	03:44	03:25	03:27	03:21	03:31	03:46	03:26	03:29	03:23	03:26	03:48	03:23
8:00 PM	03:37	03:34	03:13	03:27	03:28	03:38	03:26	03:32	03:22	03:16	03:52	03:30
8:10 PM	03:33	03:31	03:13	03:28	03:32	04:31	03:30	03:29	03:15	03:13	03:52	03:31
8:20 PM	03:25	03:30	03:25	03:28	03:28	04:29	03:26	03:24	03:26	03:14	03:52	03:29
8:30 PM	03:33	03:25	03:28	03:30	03:34	04:15	03:22	03:20	03:51	03:13	03:50	03:27
8:40 PM	03:35	03:22	03:37	03:35	03:32	04:21						
8:50 PM	03:29	03:18	03:37	03:51	03:52	04:00						

Traction Probe Data Heatmap												
ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		10:32	10:49	10:21	11:07	10:08	10:46	10:28	10:49	10:19	11:03	10:30
5:20 AM		10:35	10:53	10:22	10:50	10:16	10:32	10:33	10:50	10:25	11:03	10:29
5:30 AM		10:37	10:43	10:17	10:38	10:40	10:23	10:50	10:44	10:23	11:28	10:30
5:40 AM		11:04	10:48	11:14	10:49	10:47	11:03	11:02	11:15	10:34	11:30	10:45
5:50 AM		11:18	11:23	11:02	10:33	11:03	11:35	11:11	11:05	10:57	11:34	11:27
6:00 AM		11:03	11:15	11:15	11:21	11:41	11:44	11:34	11:20	11:09	11:57	11:53
6:10 AM		11:26	11:15	11:30	11:09	11:07	11:50	11:01	11:27	11:14	11:37	11:51
6:20 AM		10:58	11:21	11:39	11:15	11:06	11:35	11:30	11:45	11:39	12:06	12:04
6:30 AM		11:11	11:07	11:10	11:48	11:57	11:10	11:12	11:29	11:49	11:54	12:33
6:40 AM		11:42	11:21	11:12	11:26	11:31	11:15	11:04	11:21	11:13	11:48	12:00
6:50 AM		11:56	11:29	11:43	11:54	11:29	12:30	11:48	11:29	11:52	11:59	12:16
7:00 AM		11:44	11:56	12:36	12:34	11:51	12:14	11:56	12:06	12:02	12:47	12:29
7:10 AM		11:43	12:31	12:52	12:34	12:11	12:23	13:00	11:47	12:34	12:09	12:57
7:20 AM		12:09	12:28	13:11	13:03	12:39	12:45	12:40	12:35	13:14	12:59	12:56
7:30 AM		13:06	12:20	13:00	12:06	12:47	12:44	12:44	12:46	12:00	12:20	14:01
7:40 AM		12:31	12:01	13:33	12:31	12:21	12:07	12:25	12:28	12:13	12:29	13:13
7:50 AM		12:31	12:19	12:50	12:01	13:01	12:03	12:13	12:03	11:58	12:38	14:16
8:00 AM		12:09	12:27	12:26	12:26	12:07	12:21	12:09	12:18	12:05	13:08	13:53
8:10 AM		12:07	12:17	12:05	12:21	12:07	12:17	12:12	12:02	12:53	13:19	13:09
8:20 AM		12:30	12:50	12:20	12:53	12:04	12:29	12:54	12:01	13:03	13:13	12:28
8:30 AM		12:34	12:56	12:13	12:49	12:20	13:16	13:01	12:20	11:59	12:39	12:51
8:40 AM		12:39	12:11	12:18	12:16	12:45	12:59	13:02	13:21	12:43	12:53	13:20
8:50 AM		12:12	12:40	12:53	12:40	12:53	13:09	13:09	12:45	13:13	12:41	13:15
9:00 AM		12:43	12:50	12:42	13:19	13:10	12:56	13:05	13:15	12:53	12:45	12:57
9:10 AM		12:06	12:16	13:40	12:45	12:51	12:42	13:08	13:24	12:19	13:50	12:47
9:20 AM		12:57	12:18	13:27	12:46	12:51	12:04	12:39	12:18	12:35	13:20	12:18
9:30 AM		12:32	13:05	12:10	12:33	13:05	12:18	12:16	12:51	12:39	12:52	13:17
9:40 AM		13:17	12:35	12:50	12:51	12:44	13:19	12:29	13:06	13:06	12:43	13:45
9:50 AM		13:02	12:51	12:41	13:20	12:24	12:52	12:50	13:07	12:47	12:12	13:10
10:00 AM		12:49	13:04	12:56	13:15	13:28	12:37	12:36	13:10	12:48	12:47	12:43
10:10 AM		14:07	12:44	13:03	12:59	13:17	12:27	13:04	12:50	12:18	12:54	12:48
10:20 AM		13:16	12:15	13:10	13:32	12:17	12:32	12:18	12:41	12:30	12:44	13:06
10:21 AM								12:16				
10:30 AM		12:30	12:18	12:25	13:31	12:29	13:03	12:24	13:13	12:20	12:31	12:45
10:40 AM		12:19	12:07	12:28	13:21	12:01	12:33	12:40	12:26	13:00	12:28	12:38
10:50 AM		12:11	12:20	12:15	12:39	12:30	12:30	12:02	12:48	13:00	13:12	12:58
11:00 AM		12:16	12:45	12:37	13:33	12:27	12:48	12:36	13:05	13:36	12:50	12:48
11:10 AM		12:57	13:14	13:13	13:50	12:44	12:55	12:57		13:55	12:21	13:42
11:20 AM		13:20	13:03	13:28	14:12	12:38	13:23	13:30	12:44	13:12	12:48	12:58

ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		13:56	12:38	13:31	14:06	13:10	13:54	13:31	13:23	13:50	13:18	13:42
11:40 AM		13:37	14:00	13:41	15:16	13:38	13:25	14:34	13:43	14:16	14:15	13:49
11:50 AM		13:51	14:12	13:47	16:19	13:22	13:32	13:46	14:03	15:07	14:36	14:32
12:00 PM		14:18	14:26	13:57	16:07	13:30	15:43	13:39	14:11	14:56	14:20	14:33
12:10 PM		15:58	14:22	14:25	18:28	13:49	15:05	14:08	14:51	15:13	14:41	14:02
12:20 PM		14:20	14:41	14:43	21:00	13:39	14:14	14:12	14:52	15:56	14:37	14:06
12:30 PM		14:14	14:43	14:19	19:24	14:34	14:37	13:55	14:53	15:20	14:28	14:13
12:40 PM		13:52	15:06	14:42	19:36	14:54	13:59	14:18	14:22	15:38	14:16	13:51
12:50 PM		15:20	14:45	15:42	19:27	13:41	13:54	14:06	15:50	15:04	14:19	14:20
1:00 PM		14:41	14:11	14:42	19:27	13:50	14:15	14:00	14:34	14:08	14:13	14:02
1:10 PM	13:40	13:40	14:18	14:12	15:53	13:27	14:01	13:57	13:50	15:02	13:46	13:20
1:20 PM	14:01	13:38	13:47	14:54	15:46	12:51	13:54	13:37	14:41	14:49		13:27
1:30 PM	13:57	13:02	13:14	13:15	14:32	13:16	13:35	13:27	14:43	14:29	13:48	13:33
1:40 PM	13:33	12:47	13:45	13:07	14:44	14:18	13:22	13:05	14:38	15:05	14:33	13:18
1:50 PM	13:59	12:49	13:38	13:28	15:20	14:18	13:50	13:32	15:19	14:42	15:11	13:00
2:00 PM	13:07	13:47	13:51	13:30	15:08	14:06	13:26	13:16	15:42	15:09	14:14	13:45
2:10 PM	13:38	14:34	14:17	13:35	16:00	14:10	14:20	13:44	17:00	15:08	14:01	13:44
2:20 PM	13:54	14:44	15:01	14:46	16:31	14:37	14:42	14:51	17:38	16:28	14:24	15:13
2:30 PM	13:41	14:50	15:44	14:47	16:15	15:01	14:53	15:21	18:33	17:47	13:59	15:35
2:40 PM	14:14	16:52	17:21	14:59	18:06	15:25	17:15	16:54	22:03	19:33	15:33	18:07
2:50 PM	14:25	16:36	17:31	14:46	17:11	16:16	17:10	17:32	21:30	18:18	16:07	18:28
3:00 PM	13:14	16:17	16:22	14:33	17:57	15:08	15:51	17:18	19:05	18:00	14:56	15:58
3:10 PM	12:51	13:45	13:19	13:32	15:53	13:29	13:33	16:16	17:42	15:42	13:45	14:28
3:20 PM	12:11	12:55	14:21	13:14	16:04	12:58	12:50	15:19	21:08	15:02	13:52	13:24
3:30 PM	11:40	12:56	13:00	13:08	15:51	13:11	12:46	14:12	20:44	15:24	13:10	13:22
3:40 PM	13:15	14:58	14:02	14:52	16:31	14:16	14:38	14:06	23:33	17:05	14:20	13:25
3:50 PM	13:24	17:21	16:54	15:02	16:18	15:20	16:38	15:08	25:20	16:05	14:53	14:52
4:00 PM	13:27	16:36	16:08	15:33	17:45	14:31	16:44	14:40	26:31	16:03	15:57	14:37
4:10 PM	14:06	18:37	18:47	17:22	18:59	15:22	17:15	16:40	30:21	17:05	15:49	16:22
4:20 PM	14:39	20:30	20:35	19:58	25:24	16:12	17:44	19:24	37:29	18:50	18:32	18:06
4:30 PM	14:35	19:54	20:27	22:38	23:42	16:46	20:34	18:35	33:10	19:45	19:00	17:36
4:40 PM	14:50	20:24	21:26	23:04	23:43	16:14	21:12	20:27	36:11	19:57	17:31	16:53
4:41 PM												
4:50 PM	14:10	20:42	20:33	23:49	23:28	16:28	21:19	20:56	39:23	20:00	18:35	18:54
5:00 PM	13:41	21:06	22:05	20:05	20:59	16:53	20:19	20:55	34:52	18:26	18:33	18:47
5:10 PM	15:31	23:58	23:50	22:22	24:30	18:42	23:44	24:08	39:08	19:38	22:54	19:22
5:20 PM	16:54	25:44	27:18	24:50	26:47	22:20	27:56	27:37	42:11	19:26	24:50	22:37
5:30 PM	16:37	25:53	26:19	29:02	29:32	22:23	26:09	29:15	46:05	20:35	26:39	22:56
5:40 PM	17:42	24:23	26:18	26:11	27:11	21:46	27:05	26:52	43:20	20:22	26:32	24:46
5:50 PM	16:23	24:02	23:23	23:59	24:37	21:00	23:55	24:00	34:42	19:58	21:03	22:09
6:00 PM	15:12	22:31	21:26	18:54	21:42	17:52	20:48	21:14	33:20	18:20	20:28	19:48
6:10 PM	13:32	21:23	19:28	18:16	21:53	16:04	20:51	21:00	29:33	16:51	21:27	18:42

ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	12:50	20:10	19:29	17:07	22:17	15:48	19:44	19:33	28:38	15:27	18:50	17:36
6:30 PM	13:24	17:46	18:20	15:52	21:31	14:11	18:24	17:39	23:48	15:40	17:07	16:44
6:40 PM	13:23	18:13	18:24	14:59	21:33	14:28	18:44	17:10	22:56	14:11	15:20	16:22
6:50 PM	12:43	15:19	17:03	15:15	22:37	13:21	15:47	15:49	19:34	13:57	14:18	15:22
7:00 PM	12:21	14:01	15:02	13:53	18:37	13:17	14:36	15:08	16:04	13:20	12:48	14:39
7:10 PM	12:28	13:45	14:32	13:25	18:36	13:20	13:41	14:25	15:58	13:19	12:43	13:51
7:20 PM	12:10	13:29	14:00	13:18	16:25	13:06	13:40	13:10	14:24	13:10	12:54	12:54
7:30 PM	12:13	13:42	13:08	12:56	14:16	12:07	12:15	13:06	14:06	13:11	12:33	12:21
7:40 PM	11:34	12:39	12:45	12:26	13:22	11:49	11:58	12:18	12:54	12:52	12:16	11:45
7:50 PM	10:59	12:05	12:00	13:02	13:04	11:35	11:59	11:55	12:39	12:20	11:28	11:58
8:00 PM	11:28	11:46	11:57	11:58	12:04	11:51	11:26	11:56	12:08	12:20	11:38	11:55
8:10 PM	11:26	11:36	11:49	11:59	11:47	11:08	12:11	11:18	12:16	12:14	11:58	11:46
8:20 PM	11:22	11:33	11:31	11:40	11:53	11:36	11:24	11:59	12:00	12:08	11:25	11:23
8:30 PM	12:29	11:47	11:42	11:39	11:23	11:18	11:06	11:50	12:01	12:08	11:49	11:29
8:40 PM	11:23	11:24	11:24	11:54	11:25	11:40	11:06	11:39	12:07	11:47	11:36	11:20
8:50 PM	11:12	11:48	11:31	11:23	10:59	10:48	11:23	11:38	11:24	11:47	11:53	11:28

	Traction Probe Data Heatmap											
ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	10:43	10:42	10:42	10:42	10:17	10:15	10:40	10:53	10:36	10:33	10:01	10:41
5:20 AM	11:00	10:49	10:47	10:35	10:25	10:34	10:58	11:00	10:18	10:49	10:11	10:58
5:30 AM	10:43	10:55	10:48	10:41	10:27	10:40	10:51	11:06	10:11	10:54	10:14	11:00
5:40 AM	10:52	11:23	10:40	11:12	11:01	11:00	11:35	11:17	10:17	10:58	11:02	11:02
5:50 AM	11:24	10:59	10:24	11:08	11:03	11:25	12:06	11:19	10:30	10:58	11:10	10:59
6:00 AM	11:48	11:11	10:33	10:56	11:16	11:38	11:54	11:22	10:27	11:26	11:04	11:11
6:10 AM	11:21	11:23	11:16	11:43	11:19	11:03	11:56	11:21	10:20	11:38	11:30	11:53
6:20 AM	11:45	11:24	11:10	11:21	11:12	11:13	11:57	11:15	10:39	11:05	11:10	11:35
6:30 AM		11:41	11:16	11:37	11:29	11:39	12:54	11:30	10:43	11:18	10:53	11:32
6:40 AM	11:18	11:15	11:00	11:33	11:39	10:47	11:59	11:38	10:58	11:37	10:33	11:28
6:50 AM	11:59	11:19	11:32	11:53	12:01	11:25	12:27	11:27	11:09	11:59	11:13	12:06
7:00 AM	12:15	12:39	11:41	12:13	11:46	12:09	12:58	11:59	11:20	12:06	11:40	12:43
7:10 AM	13:16	12:27	13:01	13:16	12:45	11:58	13:42	11:40	10:41	11:52	12:58	12:42
7:20 AM	13:05	13:24	12:29	12:42	12:18	13:13	14:44	11:52	10:57	12:28	12:52	13:02
7:30 AM	12:29	12:43	12:35	12:37	13:18	12:33	13:57	11:48	11:11	13:14	13:15	13:05
7:40 AM	12:16	12:59	11:56	12:18	12:52	12:09	13:09	12:43	10:53	12:45	12:47	13:19
7:50 AM	12:48	12:33	12:37	12:30	13:03	12:43	12:57	12:21	11:34	12:27	12:25	12:50
8:00 AM	13:08	12:45	12:05	12:06	12:58	12:44	12:58	12:06	11:18	13:07	13:28	13:27
8:10 AM	12:49	12:39	12:26	12:09	12:34	12:58	13:21	12:12	10:48	12:29	12:36	12:35
8:20 AM	12:59	13:04	12:33	12:45	12:34	13:02	12:22	12:42	11:19	12:32	12:21	12:21
8:30 AM	12:50	12:29	12:44	12:31	12:16	12:38	12:46	12:32	11:26	12:14	13:45	12:32
8:40 AM	13:18		12:51	12:32	12:25	12:42	13:34	12:44	11:27	12:22	13:35	12:20
8:50 AM	13:02	12:59	12:41	12:31	12:31	12:48	13:26	13:05	11:48	12:17	12:44	13:16
9:00 AM	12:59	13:03	12:42	11:43	13:46	13:30	13:51	13:22	11:44	12:20	12:49	12:57
9:10 AM	12:09	12:44	12:01	12:29	13:06	12:21	13:49	12:13	11:56	12:25	12:34	12:55
9:20 AM	12:50	12:40	12:14	11:58	13:36	12:20	13:53	11:58	11:42	12:58	12:59	12:52
9:30 AM	12:49	12:44	12:20	12:46	12:51	12:04	14:23	12:26	11:43	13:10	13:20	13:05
9:40 AM	12:57	12:32	12:57	12:57	12:53	12:36	14:51	13:02	12:07	13:16	13:01	12:28
9:50 AM	13:03	12:17	12:12	13:25	13:31	12:47	14:27	12:52	12:06	12:36	13:18	12:34
10:00 AM	12:43	12:53	12:46	13:08	12:31	13:31	14:25	12:52	12:00	12:53	13:52	12:17
10:10 AM	12:21	12:31	12:25	12:48	12:37	12:26	13:27	12:35	12:12	12:18	13:24	12:28
10:20 AM	13:00	12:51	13:39	12:54	12:29	12:18	13:21	13:04	12:40	12:43	12:56	12:36
10:21 AM							13:17	12:52	13:20	12:54	12:11	12:14
10:30 AM	12:25	12:17	12:19	12:42	12:22	12:18	12:29	13:02	12:12	12:39	13:08	12:32
10:40 AM	12:22	12:46	13:10	13:21	12:30	12:24	12:49	13:07	12:10	13:14	13:17	13:04
10:50 AM	12:33	12:36	13:19	12:49	12:45	12:42	12:59	13:14	12:44	12:23	13:00	12:50
11:00 AM	12:53	12:53	12:37	13:13		13:07	13:45	13:28	12:37	12:52	13:29	13:28
11:10 AM	13:08	12:56	13:34	12:40	13:38	13:36	13:48	13:44	13:39	12:50	13:20	13:14
11:20 AM	12:51	13:26	13:12	13:17	13:25	13:04	15:21	13:56	13:32	12:56	13:15	13:57



ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	13:12	13:25	14:20	13:15	13:29	14:08	14:18	14:27	13:42	13:46	14:21	12:46
11:40 AM	13:11	13:59	14:11	13:50	13:59	13:38	14:29	15:45	13:39	13:44	15:08	13:40
11:50 AM	14:18	15:28	14:59	13:39	14:34	14:23	14:49	15:32	13:35	14:31	14:29	14:21
12:00 PM	14:20	14:47	14:44	13:52	14:32	14:50	15:29	15:00	13:51	14:01	14:30	14:48
12:10 PM	14:24	15:27	15:10	14:04	14:20	13:34	15:32	15:30	13:34	14:39	15:17	14:16
12:20 PM	14:44	14:56	14:44	14:07	14:25	14:22	15:03	15:32	14:24	14:48	14:44	14:29
12:30 PM	14:48	14:31	14:26	13:14	13:54	14:55	15:44	15:59	14:29	14:22	15:27	14:03
12:40 PM	15:45	14:43	14:44	14:09	14:01	14:58	16:24	14:53	13:28	14:09	15:11	13:37
12:50 PM	14:18	15:27	14:23	14:00	13:07	14:42	15:32	15:41	14:26	13:40	15:22	13:38
1:00 PM	14:29	14:25	14:54	13:52	14:26	14:22	15:54	14:53	13:59	13:39	14:21	13:29
1:10 PM	14:52	14:25	14:19	13:07	13:18	14:59	16:16	15:00	13:51	13:47	14:30	13:48
1:20 PM	15:37	14:26	14:58	14:05	13:48	13:55	15:34	14:12	13:58	14:08	13:42	14:01
1:30 PM	14:44	13:38	14:15	15:36	13:45	13:59	15:03	15:15	14:06	14:45	14:12	13:59
1:40 PM	14:21	13:32	14:56	15:00	13:34	15:13	14:49	14:45	14:14	13:45	14:41	13:46
1:50 PM	13:55	13:59	15:03	14:42	14:30	14:37	14:59	14:35	13:42	14:35	14:39	13:34
2:00 PM	13:38	14:21	14:49	13:33	14:42	14:57	14:42	14:32	13:38	14:07	14:26	13:50
2:10 PM	14:24	14:39	15:18	13:36	14:31	15:10	15:10	16:42	14:27	15:04	16:05	14:38
2:20 PM	14:34	15:21	16:18	12:53	15:06	16:18	16:41	17:38	14:03	14:52	16:47	15:22
2:30 PM	15:16	15:30	16:18	13:33	15:37	16:44	18:18	16:56	14:34	17:04	19:54	18:17
2:40 PM	17:20	17:23	19:26	15:20	17:14	19:16	20:25	16:39	13:33	18:07	19:28	17:46
2:50 PM	16:50	18:16	20:25	15:28	16:54	20:53	19:07	15:28	13:14	16:16	18:05	16:29
3:00 PM	16:03	16:50	21:41	14:23	16:34	20:49	15:10	14:03	12:35	14:37	16:28	14:51
3:10 PM	14:12	15:09	18:17	13:23	14:11	17:28	15:44	15:06	12:02	13:28	16:36	14:38
3:20 PM	13:54	14:50	19:03	13:03	14:36	17:35	16:02	13:49	12:16	12:52	16:01	16:33
3:30 PM	14:03	16:02	17:12	12:54	13:30	18:55	16:14	14:24	12:12	14:11	17:25	17:01
3:40 PM	14:27	17:56	16:44	14:01	14:53	20:32	16:30	14:21	13:12	15:32	18:53	16:18
3:50 PM	15:33	18:55	17:01	14:47	16:35	22:39	18:44	15:15	12:29	14:49	18:33	16:05
4:00 PM	15:15	19:29	17:56	14:37	16:58	22:38	21:07	16:25	13:48	18:08	21:37	17:30
4:10 PM	17:48	18:48	21:24	15:03	18:00	25:32	22:43	18:10	13:52	18:42	24:11	18:54
4:20 PM	20:06	20:03	23:44	18:06	17:48	27:22	21:52	17:39	13:25	19:42	24:09	19:21
4:30 PM	20:49	22:46	25:23	18:36	19:43	34:23	20:17	18:16	13:20	21:24	26:36	18:43
4:40 PM	19:29	21:14	22:02	18:36	21:00	30:42	19:08	17:30	13:24	19:31	28:16	17:36
4:41 PM	19:18						18:07	17:17	12:55	19:28	27:35	18:43
4:50 PM	20:26	22:55	22:13	18:38	21:25	29:49	19:30	18:21	14:22	24:45	30:33	20:51
5:00 PM	19:00	23:04	21:31	18:23	20:58	27:58	21:38	18:31	14:41	26:48	33:31	21:44
5:10 PM	22:05	23:20	21:59	20:53	23:08	32:44	22:23	17:35	14:25	25:50	32:02	23:09
5:20 PM	24:43	27:11	23:14	24:10	25:54	36:54	19:53	18:27	13:44	24:53	31:21	20:43
5:30 PM	24:16	26:48	24:40	23:36	26:48	37:40	16:44	16:16	12:57	21:40	30:27	19:38
5:40 PM	21:56	27:02	23:45	22:07	27:21	35:39	16:49	16:31	12:42	19:27	25:41	18:44
5:50 PM	19:07	24:41	21:26	21:43	24:14	29:41	15:28	15:37	13:12	19:35	24:06	17:55
6:00 PM	18:29	23:27	19:46	19:31	21:37	26:06	15:06	14:35	13:11	19:30	23:24	16:33
6:10 PM	17:44	21:08	18:28	17:58	18:59	24:09	14:16	14:08	12:48	19:01	22:12	15:56

ROUTE	Mira Mesa Blvd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	17:30	20:56	16:09	17:00	18:03	24:20	14:51	14:17	13:08	18:17	21:31	16:23
6:30 PM	17:04	19:17	16:24	16:16	17:21	23:15	14:13	14:27	12:41	17:08	18:14	14:17
6:40 PM	17:10	17:59	15:10	14:28	17:31	22:10	13:30	13:55	12:00	15:22	17:07	13:54
6:50 PM	16:02	16:39	15:15	13:42	16:02	20:00	14:03	14:01	12:24	13:57	17:36	14:18
7:00 PM	14:15	16:24	14:43	13:24	13:30	18:22	13:21	13:11	12:18	13:40	16:42	13:59
7:10 PM	14:36	14:33	14:25	13:42	13:33	16:57	13:27	13:11	12:04	13:00	14:26	13:12
7:20 PM	13:38	14:11	15:02	12:33	12:47	15:52	13:13	12:56	11:43	12:37	13:45	13:21
7:30 PM	13:00	13:15	14:04	11:52	12:14	15:27	12:38	12:56	11:41	12:26	12:56	12:24
7:40 PM	12:18	13:00	13:29	11:49	12:03	15:16	12:20	12:39	11:08	11:35	12:32	12:04
7:50 PM	11:57	12:19	13:26	11:26	11:39	14:01	12:07	12:40	11:12	11:50	12:25	11:33
8:00 PM	11:50	12:03	12:17	10:57	11:36	12:48	11:58	12:08	11:13	11:57	12:22	11:30
8:10 PM	11:39	11:34	13:08	11:32	11:39	12:59	12:00	11:59	11:25	11:44	12:30	12:03
8:20 PM	11:36	11:41	12:40	11:13	11:29	12:45	12:23	12:00	11:12	11:36	12:12	11:34
8:30 PM	11:41	11:54	12:53	11:35	11:41	12:30	11:46	12:01	11:00	11:25	12:14	11:25
8:40 PM	11:15	11:26	12:16	11:10	11:31	12:25						
8:50 PM	11:25	11:31	12:40	11:03	11:32	11:59						



Traction Probe Data Heatmap												
ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		10:38	10:13	10:13	10:29	10:16	10:01	10:08	09:52	09:34	10:40	10:19
5:20 AM		10:38	10:56	10:53	10:34	10:35	10:11	09:55	10:00	09:39	10:57	10:42
5:30 AM		10:16	10:57	10:55	10:37	10:27	10:15	10:13	10:20	10:11	10:46	11:02
5:40 AM		10:52	10:37	10:30	10:48	10:35	10:20	10:40	10:28	11:02	10:28	10:34
5:50 AM		10:45	10:32	10:19	10:21	10:53	10:53	10:43	10:39	11:10	10:46	10:56
6:00 AM		11:03	10:18	10:42	10:32	10:28	10:23	10:51	11:15	10:21	11:33	11:05
6:10 AM		10:51	10:34	10:51	10:49	10:23	10:46	10:37	10:45	10:32	10:12	11:30
6:20 AM		11:02	10:34	10:32	11:12	10:01	10:30	11:03	11:24	10:47	10:56	11:18
6:30 AM		10:31	10:15	10:56	11:24	10:52	10:31	10:40	10:34	10:32	10:53	11:30
6:40 AM		10:23	10:30	10:46	10:41	10:32	10:25	10:16	10:25	10:23	10:33	11:28
6:50 AM		12:09	11:22	12:19	11:15	11:00	11:38	10:46	11:23	11:17	12:10	12:31
7:00 AM		12:20		13:16	11:56	11:25	11:20	12:07	11:19	11:45	12:49	15:37
7:10 AM		13:07	12:27	13:03	12:13	12:07	12:09	12:57	12:28	12:01	12:31	17:12
7:20 AM		14:17	14:17	13:17	13:58	12:42	14:01	13:21	14:07	12:57	14:31	17:43
7:30 AM		16:14	16:48	14:30	15:01	13:31		18:24	14:33	14:18	15:04	18:35
7:40 AM		16:41	16:19	15:47	14:31	14:06	16:11	16:32	14:52	14:54	15:48	16:57
7:50 AM		18:56	17:35	19:18	16:06	15:09	16:49	16:43	15:22	14:56	17:23	16:25
8:00 AM		18:29	18:06	19:04	16:56	16:23	18:38	16:15	16:22	15:42	16:31	16:37
8:10 AM		18:04	16:37	17:57	14:45	16:17	15:18	15:32	16:52	15:08	17:39	14:36
8:20 AM		18:29	16:56	17:08	14:49	15:22	16:02	15:43	17:21	14:36	15:37	14:28
8:30 AM		17:42	19:37	19:10	20:35	16:02	16:29	16:33	16:13	14:52	15:54	16:48
8:40 AM		18:56	18:19	17:59	33:08	16:44	17:00	17:44	16:48	16:39	16:17	18:02
8:50 AM		19:46	18:24	19:28	29:34	16:06	17:00	17:50	16:07	15:12	15:24	18:11
9:00 AM		18:00	18:33	17:17	32:09	15:44	15:10	15:45	14:57	14:47	16:02	17:55
9:10 AM		15:36	15:29	15:56	35:10	13:16	14:53	15:00	14:30	13:16	14:36	17:23
9:20 AM		15:31	14:01	14:42	36:57	13:12	13:10	14:05	14:08	13:34	14:05	15:06
9:30 AM		17:06	14:31	13:16	39:03	13:23	14:18	13:00	15:52	12:28	12:57	14:06
9:40 AM		16:17	15:56	13:59	29:27	14:57	15:34	14:01	16:06	13:54	14:09	15:17
9:50 AM		16:43	15:46	14:37	31:32	15:21	16:19	14:11	16:02	13:55	15:27	14:45
10:00 AM		16:19	14:55	13:12	26:58	14:49	13:35	13:00	16:38	13:26	15:30	14:02
10:10 AM		14:20	13:25	12:58	28:06	13:25	12:23	12:53	14:49	12:23	13:37	13:05
10:20 AM		12:48	12:56	13:21	23:10	12:52	11:47	11:53	12:59	12:43	12:51	12:33
10:21 AM								11:46				
10:30 AM		12:16	12:04	12:01	21:13	11:54	11:31	12:41	12:08	12:33	12:23	11:37
10:40 AM		12:28	11:56	11:41	20:02	11:49	12:32	12:05	12:06	12:10	11:26	12:05
10:50 AM		12:04	12:17	11:54	17:17	11:48	13:41	11:42	12:28	12:03	11:49	11:34
11:00 AM		11:40	12:13	11:55	15:45	12:10	11:53	12:50	11:50	12:22	11:28	11:39
11:10 AM		12:06	12:17	12:59	13:46	12:10	12:09	11:51		12:37	11:41	12:46
11:20 AM		11:59	12:23	12:23	13:15	12:02	12:06	11:57	12:18	12:11	12:10	12:06

ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		11:47	12:15	12:21	13:27	12:40	11:38	11:55	12:53	13:27	12:06	12:22
11:40 AM		12:29	12:21	11:59	14:26	12:39	12:10	12:52	12:51	14:11	12:24	12:45
11:50 AM		12:07	12:31	12:51	13:06	12:12	12:05	12:38	12:54	13:30	13:02	13:15
12:00 PM		12:23	12:33	12:36	13:17	12:48	12:21	13:36	13:13	13:14	13:37	12:52
12:10 PM		12:49	13:00	13:09	14:01	12:38	12:23	13:35	12:47	13:23	13:29	13:05
12:20 PM		12:51	13:45	13:24	14:34	12:41	13:16	12:43	13:22	13:43	13:17	12:41
12:30 PM		13:11	13:17	13:50	14:48	13:05	13:34	12:32	13:56	14:08	13:30	12:35
12:40 PM		13:05	13:00	13:54	13:49	12:54	12:51	12:41	14:11	14:01	13:05	13:24
12:50 PM		13:03	13:18	14:11	15:00	12:48	13:37	13:16	14:24	14:04	13:01	13:09
1:00 PM		12:36	14:06	14:45	16:14	12:52	12:50	13:16	14:16	13:47	13:42	13:13
1:10 PM	13:03	12:41	13:35	12:54	14:17	12:55	13:43	12:22	13:41	12:53	13:25	12:51
1:20 PM	12:33	12:24	12:34	14:13	14:38	12:39	12:47	12:53	12:27	13:05		13:25
1:30 PM	12:37	13:04	13:12	12:25	13:56	12:56	13:26	12:34	13:22	13:44	13:30	12:05
1:40 PM	13:07	13:13	12:51	12:53	13:18	13:16	12:46	12:49	13:21	13:49	13:51	12:44
1:50 PM	12:30	12:24	12:40	12:49	14:10	13:02	12:50	13:26	14:22	13:21	13:56	13:04
2:00 PM	12:33	12:15	12:52	12:30	12:57	12:37	12:38	11:57	13:59	12:48	12:12	12:40
2:10 PM	12:17	12:47	13:24	13:08	13:13	12:28	12:23	12:21	14:28	13:31	13:17	13:04
2:20 PM	12:32	12:36	13:07	12:04	13:14	12:23	13:08	12:29	14:39	13:19	12:32	14:21
2:30 PM	12:56	13:22	13:10	12:55	12:53	13:12	13:14	13:03	13:41	13:55	13:41	13:13
2:40 PM	12:53	13:20	13:30	13:43	13:26	12:39	15:06	14:18	14:56	13:45	13:38	13:38
2:50 PM	12:49	13:39	12:38	13:30	13:42	12:42	13:30	13:01	14:55	13:19	13:47	13:17
3:00 PM	12:28	12:55	12:58	12:29	13:15	12:57	13:24	13:17	18:24	12:29	13:03	13:13
3:10 PM	12:43	12:55	12:09	12:57	12:50	13:01	12:33	12:37	16:24	13:53	14:15	13:29
3:20 PM	12:37	12:40	12:37	12:07	12:41	12:28	12:41	13:23	14:12	12:42	13:23	13:04
3:30 PM	11:56	12:38	11:58	12:50	13:04	12:10	12:06	12:43	16:23	12:25	13:15	13:10
3:40 PM	12:48	12:57	14:39	12:40	12:30	12:39	13:04	13:05	14:59	13:09	13:57	13:22
3:50 PM	12:30	13:14	13:19	13:38	12:44	13:38	12:42	12:48	14:38	12:38	13:14	12:42
4:00 PM	12:41	13:56	12:51	12:40	12:49	13:13	13:19	12:36	15:20	13:35	12:48	12:47
4:10 PM	13:14	13:41	13:32	12:51	13:31	13:33	13:02	13:01	17:10	12:54	13:43	13:22
4:20 PM	13:34	13:04	14:03	12:51	13:36	13:16	13:47	12:49	14:53	12:58	13:52	13:36
4:30 PM	13:49	13:46	13:52	13:13	14:10	13:25	13:04	13:39	16:07	13:46	13:30	14:14
4:40 PM	13:11	13:26	13:33	13:42	13:50	13:16	13:24	13:34	17:16	13:27	14:08	13:53
4:41 PM												
4:50 PM	13:08	13:52	13:59	13:45	13:37	13:18	13:14	13:42	17:56	13:35	13:37	13:29
5:00 PM	13:30	13:40	13:40	13:50	15:17	13:19	13:24	13:23	18:25	14:09	13:56	13:24
5:10 PM	13:05	13:39	14:33	13:34	14:20	13:24	13:41	13:37	18:49	13:42	14:38	14:17
5:20 PM	13:12	13:55	13:53	13:25	14:06	13:41	13:54	13:21	18:02	14:03	13:49	14:03
5:30 PM	13:54	13:53	14:51	14:33	14:37	14:24	14:06	13:56	17:26	14:37	14:55	13:57
5:40 PM	13:10	14:50	15:46	14:17	14:17	14:11	14:05	13:40	17:50	14:53	13:34	14:07
5:50 PM	13:36	13:41	14:07	14:01	14:12	14:19	14:06	14:21	19:51	14:24	13:43	13:41
6:00 PM	12:59	13:08	13:37	14:21	13:30	13:50	14:42	13:41	17:54	13:42	14:29	13:45
6:10 PM	13:17	13:40	13:53	13:33	13:17	14:36	13:55	14:19	17:04	13:27	14:01	14:32

ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	12:47	13:34	14:16	13:36	14:11	13:53	14:07	13:22	16:07	13:27	14:08	13:36
6:30 PM	12:59	13:36	13:52	13:32	13:37	13:24	14:05	13:03	15:22	13:04	13:31	13:15
6:40 PM	12:47	14:06	13:35	12:59	14:36	13:18	13:06	13:09	14:26	13:41	13:09	13:45
6:50 PM	12:31	13:26	12:50	12:47	14:10	12:32	13:11	13:10	14:09	13:20	13:10	12:47
7:00 PM	12:27	13:02	13:27	12:26	13:22	12:30	12:59	13:02	14:13	13:31	12:39	12:59
7:10 PM	11:56	12:03	12:24	12:26	13:49	12:00	12:24	12:15	13:27	12:47	11:59	12:09
7:20 PM	11:45	12:07	12:16	11:46	12:15	11:13	11:33	11:40	12:27	12:27	11:40	11:52
7:30 PM	11:29	11:31	12:24	11:56	12:10	11:24	11:56	12:04	11:30	12:05	11:00	11:51
7:40 PM	11:01	11:17	11:22	11:39	12:01	10:46	11:42	12:10	11:17	12:09	11:41	11:36
7:50 PM	10:52	11:03	11:51	11:26	11:53	11:18	11:36	12:02	11:38	11:49	11:38	11:26
8:00 PM	10:38	10:49	11:36	10:51	11:43	11:02	11:18	12:09	11:36	11:38	11:26	11:10
8:10 PM	10:50	10:37	11:34	10:41	11:21	10:50	11:08	11:40	11:18	11:42	11:10	11:24
8:20 PM	11:02	10:39	10:43	10:45	11:40	10:53	11:02	11:18	11:09	11:04	11:14	11:07
8:30 PM	10:40	10:42	10:46	11:45	11:40	10:49	11:10	11:23	11:27	11:26	11:17	11:19
8:40 PM	11:00	11:12	11:12	11:14	11:02	11:08	10:48	11:07	11:15	11:21	11:27	11:21
8:50 PM	10:44	11:19	10:39	11:02	11:09	11:13	10:53	11:52	10:52	11:17	11:59	11:30

	Traction Probe Data Heatmap											
ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	10:04	10:31	10:12	09:57	10:15	11:02	10:37	10:44	10:22	09:58	10:32	10:13
5:20 AM	10:23	10:32	09:58	09:56	10:12	11:09	10:53	10:50	10:23	10:01	10:18	10:41
5:30 AM	10:09	10:36	10:18	10:19	10:39	11:03	11:01	11:16	10:09	10:13	10:31	10:41
5:40 AM	10:36	10:38	10:24	10:33	10:27	10:33	10:57	11:53	09:56	10:23	10:35	10:54
5:50 AM	10:33	10:30	10:11	10:14	10:17	10:46	11:10	12:02	09:49	10:34	10:56	10:18
6:00 AM	10:34	10:31		10:44	10:15	10:44		11:25	10:17	10:37	10:42	10:43
6:10 AM	10:43	10:24	10:32	10:46	10:32	10:40	10:56	11:19	10:14	10:09	10:26	10:53
6:20 AM	11:07	10:09	10:49	10:51	10:21	10:30	11:40	10:39	10:49	10:40	10:35	11:08
6:30 AM		10:27	10:21	10:15	10:13	10:00	11:25	10:22	10:22	10:28	10:20	11:07
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6:50 AM	11:09	11:13	11:40	10:42	11:11	11:18	13:00	11:08	10:37	12:00	11:37	12:45
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7:20 AM	14:23	13:50	13:47	14:41	14:28	13:53	16:35	11:56	11:21	14:55	14:43	15:33
7:30 AM	15:51	14:19		14:09	16:09	16:21	18:16	12:28	11:42	16:49	16:29	16:42
7:40 AM	17:53	16:07	18:13	14:38	15:56	17:07	20:12	12:23	11:57	15:37	17:51	18:03
7:50 AM	19:15	19:18	16:44	18:51	17:48	18:18	19:22	13:40	12:38	17:14	19:11	23:46
8:00 AM	18:20	17:40	17:10	21:05	20:18	20:33		13:01	11:38	18:28	20:28	24:05
8:10 AM	16:31	16:49	18:57	18:49	21:23	16:38	18:38	12:52	11:21	16:29	19:56	25:08
8:20 AM	16:40	18:32	16:58	19:40	20:36	17:20	16:19	12:54	11:32	17:54	16:51	27:04
8:30 AM	18:18	18:01	17:42	17:55	20:28	20:14	18:08	13:19	11:41	18:53	20:10	23:50
8:40 AM	18:00		17:19	18:31	18:59	19:36	20:54	12:48	11:36	17:39	18:50	25:42
8:50 AM	17:54	17:40	19:17	20:20	19:55	19:14	20:39	13:13	11:20	17:21	17:02	23:58
9:00 AM	16:35	16:02	17:19	16:56	16:54	17:12	21:21	13:45	11:36	17:20	21:42	24:57
9:10 AM	16:14	14:36	14:07	17:13	15:30	15:11	20:18	13:36	11:33	14:11	21:55	21:41
9:20 AM	17:52	14:00	14:36	15:41	14:15	14:22	21:23	13:30	11:41	13:27	23:30	15:20
9:30 AM	15:05	12:47	13:43	15:33	13:18	14:08	20:29	14:20	11:32	13:18	23:21	13:06
9:40 AM	15:36	14:36	13:36	17:32	14:14	14:50	22:48	14:13	12:04	13:31	21:47	13:02
9:50 AM	18:17	15:30	14:54	17:24	16:49	15:20	20:32	14:28	12:38	13:23	20:04	14:22
10:00 AM	17:59	14:54	15:06	16:52	17:21	16:30	20:48	14:58	12:22	14:01	19:33	13:47
10:10 AM	14:41	13:38	13:51	15:46	16:55	14:37	16:56	14:08	12:00	14:00	17:01	12:55
10:20 AM	14:53	12:38	13:22	13:20	15:55	13:48	14:24	13:37	12:06	12:43	14:09	11:54
10:21 AM							13:57	13:11	13:57	12:04	13:14	11:58
10:30 AM	12:23	11:48	12:32	13:19	14:15	12:36	12:53	12:53	12:03	12:24	12:20	11:52
10:40 AM	11:17	11:58	12:14	12:07	13:21	12:12	13:16	12:36	12:48	12:16	11:52	11:47
10:50 AM	11:38	11:46	12:26	11:32	12:30	12:03	12:45	12:25	12:44	12:20	12:16	12:21
11:00 AM	11:44	12:08	12:15	11:54		12:37	12:59	13:15	12:31	11:58	12:12	12:41
11:10 AM	11:58	12:21	12:06	12:06	12:54	12:20	12:57	13:10	13:03	12:59	12:39	12:28
11:20 AM	12:01	12:29	12:38	12:20	13:19	12:40	13:29	14:11	13:17	12:59	12:15	12:19

ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	12:09	12:50	12:46	12:41	13:04	12:44	14:24	13:49	13:09	12:29	12:39	12:38
11:40 AM	13:33	13:40	12:59	12:36	13:37	12:33	13:21	14:21	13:10	12:40	13:13	13:16
11:50 AM	12:40	13:08	13:55	12:22	12:39	12:48	14:15	14:48	13:23	13:16	13:05	13:02
12:00 PM	12:51	13:46	13:28	12:58	13:03	13:39	13:12	14:10	13:23	13:27	13:33	13:59
12:10 PM	13:14	13:43	13:06	13:13	13:21	12:53	13:46	14:31	13:38	13:23	12:57	13:21
12:20 PM	13:56	13:12	13:22	12:54	12:45	13:46	14:07	14:19	14:29	13:26	13:53	14:02
12:30 PM	13:42	14:16	14:13	13:20	12:29	14:22	14:38	15:22	14:07	12:55	13:02	13:41
12:40 PM	13:44	13:55	13:31	14:58	13:22	13:11	14:32	14:36	14:25	13:10	12:57	13:24
12:50 PM	13:29	13:42	14:14	13:49	12:52	13:29	15:56	15:35	14:05	13:45	13:20	13:36
1:00 PM	13:18	14:12	14:28		13:38	14:10	14:50	15:30	15:54	13:18	13:35	13:27
1:10 PM	13:50	13:17	13:28	13:13	12:52	13:42	15:39	14:51	14:26	14:17	12:52	13:44
1:20 PM	13:40	13:39	13:29	13:21	13:18	13:44	14:39	13:45	14:01	12:38	13:16	12:57
1:30 PM	12:39	13:57	13:22	13:09	12:58	14:06	14:41	13:58	14:01	13:27	13:46	14:14
1:40 PM	12:40	13:27	14:00	14:33	12:35	14:48	14:07	13:53	13:44	13:24	12:50	12:51
1:50 PM	14:09	12:54	14:34	14:36	12:50	13:43	13:54	13:15	12:10	13:17	13:01	12:54
2:00 PM	12:06	12:58	13:17	14:12	13:25	13:39	14:07	13:21	12:41	12:50	13:24	12:37
2:10 PM	13:09	13:05	13:33	13:11	13:41	13:31	13:27	14:41	12:45	13:44	14:19	13:07
2:20 PM	12:54	13:53	13:06	13:25	12:58	13:31	13:58	13:18	13:13	13:19	13:43	14:20
2:30 PM	13:14	12:16	13:26	13:28	12:40	13:31	14:31	13:53	12:58	14:16	15:30	14:47
2:40 PM	13:37	14:46	13:37	13:28	13:30	14:47	13:59	14:04	12:37	13:48	14:30	15:21
2:50 PM	13:20	13:20	13:50	14:15	14:43	15:39	15:01	13:28	13:05	13:21	13:52	13:21
3:00 PM	13:05	13:04	13:37		13:36	15:49	13:33	13:25	12:10	13:45	12:52	13:31
3:10 PM	13:48	12:58	13:45	13:42	13:22	14:55	14:10	12:51	12:37	14:19	12:45	13:31
3:20 PM	13:20	13:14	13:31	12:45	12:56	15:14	14:07	12:51	12:55	13:07	13:09	13:52
3:30 PM	12:28	13:35	13:03	12:54	12:35	14:40	14:03	12:46	12:49	12:44	13:20	13:24
3:40 PM	13:21	12:56	13:15	13:17	13:10	15:07	13:07	13:33	12:14	14:17	14:09	13:37
3:50 PM	13:00	13:08	13:43	13:16	12:47	14:49	13:29	12:51	12:44	13:39	13:40	13:33
4:00 PM	13:26	12:37	13:26	13:20	12:39	15:13	13:27	12:59	12:09	12:54	13:35	13:21
4:10 PM	13:53	13:10	13:08	13:47	13:10	15:10	13:47	13:22	12:47	13:07	13:49	14:04
4:20 PM	14:13	13:55	13:18	13:46	12:57	15:12	14:37	13:31	12:38	13:07	14:18	13:41
4:30 PM	13:40	13:29	13:57	14:11	13:21	14:15	14:08	13:58	12:32	12:27	13:56	13:20
4:40 PM	14:06	13:13	13:38	14:31	14:02	15:45	14:27	13:22	13:03	13:24	14:18	13:18
4:41 PM	13:49						13:33	14:36	13:44	13:11	13:36	14:05
4:50 PM	14:23	13:34	14:47	13:36	13:56	15:46	14:21	15:17	13:22	14:13	14:34	13:45
5:00 PM	14:00	13:41	13:42	13:54	14:24	16:24	14:00	14:43	13:17	14:48	14:44	15:27
5:10 PM	14:03	13:45	14:52	14:28	14:02	17:07	13:55	14:58	13:14	14:18	14:49	13:52
5:20 PM	14:47	13:49	14:36	14:41	13:12	17:34	14:19	15:03	12:23	13:36	14:53	14:11
5:30 PM	13:55	14:24	13:36	13:54	13:30	15:57	13:44	13:10	12:32	13:47	14:19	13:55
5:40 PM	14:14	14:16	13:53	13:21	13:59	16:29	13:41	13:19	13:15	13:29	13:58	13:40
5:50 PM	14:22	13:34	14:22	14:13	14:04	16:06	14:59	14:09	12:43	14:07	14:44	14:02
6:00 PM	13:51	13:48	13:51	13:32	14:03	15:49	14:02	13:46	13:14	13:59	13:48	13:44
6:10 PM	14:21	13:49	13:45	14:03	13:54	16:21	14:16	13:21	13:07	13:19	13:13	13:19

ROUTE	Mira Mesa Blvd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	14:27	14:18	13:37	13:37	14:17	15:37	13:48	13:29	12:56	13:42	13:44	14:27
6:30 PM	13:12	13:48	14:46	13:42	13:41	16:59	12:44	13:19	12:34	12:50	13:44	13:50
6:40 PM	13:32	13:56	13:46	13:27	14:03	15:31	12:53	12:59	12:40	12:52	13:53	13:26
6:50 PM	12:59	12:59	13:19	13:19	13:29	14:38	12:47	12:06	11:40	12:49	12:54	13:20
7:00 PM	13:00	14:15	13:26	12:53	12:14	13:27	12:29	12:36	11:42	11:46	12:41	11:32
7:10 PM	12:54	12:46	13:02	12:00	12:01	14:59	11:47	12:28	11:23	11:58	12:00	11:26
7:20 PM	11:52	12:18	12:36	11:31	11:49	14:51	12:17	11:58	10:52	11:09	11:38	11:52
7:30 PM	12:27	11:42	12:39	11:45	11:29	13:21	12:01	12:12	11:12	10:43	12:02	11:52
7:40 PM	11:48	11:19	12:20	11:20	11:23	13:01	11:43	11:48	11:16	11:25	11:29	11:50
7:50 PM	11:37	11:40	12:16	11:18	11:06	12:13	12:39	10:59	11:14	11:04	11:58	11:52
8:00 PM	11:05	11:46	12:00	11:32	11:25	12:39	11:34	11:17	11:15	11:14	12:01	11:31
8:10 PM	11:24	11:31	11:40	11:16	12:15	11:46	11:44	11:32	11:10	11:14	11:38	11:20
8:20 PM	11:28	11:45	11:30	10:57	11:31	11:25	11:53	10:54	11:03	10:50	11:30	10:55
8:30 PM	11:12	12:14	11:34	11:07	11:15	11:47	11:36	11:24	10:40	11:13	11:35	11:22
8:40 PM	11:09	10:59	11:41	11:22	11:33	11:15						
8:50 PM	11:19	10:35	11:04	10:56	11:26	11:20						



Traction Probe Data Heatmap												
ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:03	07:23	07:09	06:50	07:08	06:51	07:00	07:13	07:00	07:20	07:03
5:20 AM		07:01	07:05	07:19	07:02	07:10	07:07	07:09	07:21	06:57	07:14	07:09
5:30 AM		07:14	06:59	07:11	07:08	07:19	06:58	07:41	07:06	07:11	07:07	07:07
5:40 AM		07:08	07:08	07:28	07:11	07:34	07:14	07:45	07:09	07:09	07:44	07:41
5:50 AM		07:26	07:41	07:27	07:44	07:56	07:16	07:41	07:37	07:14	07:47	07:54
6:00 AM		08:04	07:23	07:25	07:36	08:00	07:21	07:13	08:27	07:21	07:30	08:06
6:10 AM		08:34	07:25	07:41	07:37	07:46	08:08	07:28	08:09	07:53	07:53	08:00
6:20 AM		07:59	08:05	07:51	08:04	07:52	08:12	07:54	08:05	08:03	07:52	08:28
6:30 AM		07:44	07:40	07:26	08:26	08:06	07:55	08:06	07:55	07:59	07:59	08:28
6:40 AM		07:48	07:31	07:55	07:52	08:11	08:07	07:25	07:31	07:52	07:43	08:41
6:50 AM		08:31	08:20	08:07	07:53	07:54	07:53	07:51	07:39	07:50	08:01	08:22
7:00 AM		08:04	07:40	07:44	07:57	08:03	08:05	07:45	07:15	07:51	08:04	08:37
7:10 AM		08:01	07:47	08:16	07:53	07:38	08:08	08:05	07:38	08:01	07:53	07:53
7:20 AM		07:49	07:59	07:50	07:57	07:51	08:20	08:08	07:35	08:02	08:33	08:11
7:30 AM		07:48	07:52	07:41	07:56	08:18	07:58	08:02	08:00	07:56	07:57	07:51
7:40 AM		08:09	07:55	07:58	08:20	07:39	08:22	08:04	08:28	08:15	08:22	08:35
7:50 AM		07:46	08:28	07:55	08:06	08:05	08:12	08:40	08:08	07:56	08:12	08:03
8:00 AM		08:15	08:49	07:57	08:23	07:39	08:10	07:51	08:26	08:36	09:00	08:57
8:10 AM		08:23	08:22	07:51	08:13	08:16	08:25	07:48	08:13	08:27	09:16	08:28
8:20 AM		08:26	08:55	08:28	08:04	08:21	08:16	07:48	07:50	08:22	08:31	08:00
8:30 AM		07:54	08:14	07:44	07:55	08:17	07:58	08:18	07:40	08:16	08:41	08:18
8:40 AM		07:52	08:31	08:10	08:05	08:05	08:48	08:09	07:50	08:01	08:22	08:15
8:50 AM		07:45	08:08	08:11	08:03	08:00	08:43	07:58	08:00	08:15	08:23	08:22
9:00 AM		07:41	08:07	07:59	07:56	08:05	08:12	07:51	08:15	08:09	08:02	09:02
9:10 AM		09:02	08:15	08:09	08:02	08:18	08:08	08:09	08:20	07:58	08:04	08:15
9:20 AM		08:17	08:07	08:07	08:22	08:20	07:41	08:31	08:10	08:30	08:01	08:19
9:30 AM		07:48	07:48	08:03	07:53	08:35		08:33	07:53	08:14	08:10	07:58
9:40 AM		07:25	07:58	08:05	08:10	08:19	08:27	07:55	08:24	09:04	08:20	08:23
9:50 AM		07:56	08:04	08:19	08:05	08:04	08:29	07:44	08:34	08:47	08:08	07:59
10:00 AM		08:05	08:17	08:04	08:06	08:00	08:23	07:56	08:06	08:00		08:32
10:10 AM		08:07	08:12	08:05	08:04	08:10	08:00	08:17	08:10	08:23	08:14	08:09
10:20 AM		08:35	07:53	07:54	07:51	08:29	08:39	08:01	08:40	08:07	08:21	08:06
10:21 AM								07:56				
10:30 AM		07:57	08:21	09:03	08:29	07:57	08:20	08:35	08:12	08:51		07:55
10:40 AM		08:52	08:14	08:27	08:18	08:15	09:13	08:20	08:09	08:30	08:09	07:47
10:50 AM		08:41	07:56	08:18	08:29	08:06	08:26	08:18	08:31	08:53	08:37	08:14
11:00 AM		08:21	07:59	08:07	08:22		08:50	08:18	08:15	08:23	08:37	08:25
11:10 AM		08:19	08:03	08:06	08:24	08:20	08:37	07:50		08:30	08:22	08:24
11:20 AM		08:14	08:15	08:09	08:29	08:18	08:28	08:26	08:08	08:26	08:29	08:14



ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		07:58	08:14	07:57	08:26	08:06	08:34	08:37	07:57	08:02	08:09	07:54
11:40 AM		08:26	08:12	08:06	08:00	08:44	08:12	08:20	08:28	08:50	08:14	08:16
11:50 AM		08:50	08:15	08:13	08:24	08:13	08:17	09:14	09:09	08:33	08:52	09:06
12:00 PM		07:52	09:12	07:57	08:58	08:33		08:51	08:09	08:43	08:41	09:10
12:10 PM		08:09	08:09	08:12	08:19	08:27	09:02	08:11	08:17	08:42	08:59	08:12
12:20 PM		08:07	08:05	08:22	08:47	08:13	08:03	08:25	08:32	09:13	09:00	08:24
12:30 PM		08:26	08:46	08:39	08:30	08:28	08:18	08:07	08:31	08:57	08:18	08:45
12:40 PM		08:30	09:15	08:20	08:42	08:03	08:41	08:33	08:44	08:42	08:01	08:22
12:50 PM		08:41	08:03	08:19	09:07	08:07	08:39	08:03	08:49	08:34	08:11	08:41
1:00 PM		08:21	08:14	08:30	08:12	08:30	08:41	08:36	08:22	09:02	08:15	08:40
1:10 PM	08:08	08:37	08:30	08:24	09:10	08:37	08:03	08:09	08:19	09:09	08:00	08:20
1:20 PM	08:13	08:11	08:06	08:45	08:29	07:49	08:08	08:28	08:07	09:03		08:46
1:30 PM	07:45	08:03	08:03	08:01	08:17	08:06	07:51	08:14	08:17	08:14	08:06	08:14
1:40 PM	08:15	07:58	08:36	08:01	08:42	08:04	08:14	09:08	09:02	08:31	09:08	08:27
1:50 PM	08:00	07:57	08:27	07:56	09:24	08:37	08:41	08:18	10:00	08:37	08:45	08:17
2:00 PM	08:06	08:29	08:37	08:46	08:42	08:39	08:16	08:10	11:19	08:33	08:25	08:27
2:10 PM	08:08	08:09	08:38	08:17	08:35	08:22	08:10	08:09	12:20	08:19	08:02	08:16
2:20 PM	07:58	08:17	08:32	08:25	08:51	08:07	08:05	08:26	13:24	08:24	07:51	08:10
2:30 PM	07:38	07:27	08:03	07:59	09:28	07:49	07:53	08:30	15:27	08:25	07:34	07:55
2:40 PM	09:43	10:24	10:25	10:50	11:48	09:24	10:09	09:58	20:52	11:41	09:35	10:21
2:50 PM	10:10	11:37	13:25	14:00	13:51	11:03	12:06	11:37	25:27	15:38	10:45	11:01
3:00 PM	08:13	10:55	12:19	11:55	12:44	10:54	10:22	10:20	24:46	12:39	08:54	10:05
3:10 PM	07:52	11:31	11:49	11:39	11:03	11:08	09:34	11:30	30:41	13:26	08:55	09:40
3:20 PM	07:57	14:57	12:23	10:49	11:18	11:26	13:14	11:41	28:05	11:54	09:51	09:24
3:30 PM	07:58	13:29	10:40	10:22	11:33	10:43	13:12	12:12	29:59	13:06	09:29	09:11
3:40 PM	09:51	15:18	11:55	11:18	13:59	10:26	13:07	11:02	34:15	11:25	09:48	09:42
3:50 PM	10:42	17:47	14:16	15:39	14:37	12:04	14:55	12:17	44:01	12:51	11:15	10:03
4:00 PM	09:01	13:30	13:02	13:58	16:47	10:59	13:21	13:08	45:58	13:11	12:28	08:31
4:10 PM	09:39	13:43	13:01	14:20	15:40	10:51	15:32	12:57	43:53	12:58	12:32	10:56
4:20 PM	08:48	17:25	15:53	14:50	16:27	10:58	16:15	15:02	44:27	13:32	13:40	12:58
4:30 PM	07:18	14:15	16:40	12:59	19:44	12:25	16:04	15:34	48:24	13:29	11:27	11:39
4:40 PM	08:50	15:02	17:02	14:22	19:04	14:02	15:38	15:14	48:09	11:13	12:18	11:50
4:41 PM												
4:50 PM	07:46	17:33	17:39	15:28	19:37	13:11	17:44	17:07	50:07	10:49	12:53	11:34
5:00 PM	08:01	16:33	20:16	14:01	18:15	11:37	20:32	17:15	46:08	10:06	12:39	13:01
5:10 PM	08:28	18:13	18:54	14:58	18:38	13:13	21:26	20:11	46:12	12:25	14:47	15:31
5:20 PM	09:00	20:17	20:01	13:55	17:29	13:35	21:30	21:53	52:02	13:15	17:59	17:25
5:30 PM	08:19	17:30	16:42	13:38	18:41	12:07	19:27	21:27	50:40	13:16	17:08	14:46
5:40 PM	07:36	15:40	16:32	13:35	17:48	09:35	18:33	17:25	47:37	09:46	15:57	10:58
5:50 PM	07:21	15:13	17:22	13:33	17:13	08:35	18:30	14:40	50:06	09:12	13:17	10:43
6:00 PM	07:47	12:49	17:27	11:54	16:23	07:59	16:06	14:07	50:22	08:58	11:13	09:51
6:10 PM	07:47	11:49	15:46	10:36	14:51	09:06	16:14	13:15	48:33	08:59	10:25	08:28

ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	07:02	08:17	15:55	08:51	10:51	07:33	12:11	13:39	43:07	07:30	09:32	07:50
6:30 PM	07:00	07:44	14:03	08:17	09:32	07:32	10:24	09:59	33:46	07:36	08:01	07:31
6:40 PM	07:05	07:16	11:06	07:30	07:51	06:46	08:39	08:14	35:06	07:36	07:34	07:36
6:50 PM	07:12	07:34	10:44	08:27	08:11	07:22	07:42	07:40	29:41	07:27	07:24	07:22
7:00 PM	07:05	07:14	07:45	07:12	07:08	06:57	07:29	07:18	22:30	07:17	07:33	07:03
7:10 PM	07:05	07:44	07:37	07:55	07:48	07:08	07:32	07:58	19:41	07:52	07:44	07:26
7:20 PM	07:00	07:20	07:30	07:15	07:50	07:12	07:35	07:19	14:08	07:23	07:32	07:22
7:30 PM	07:13	07:37	07:17	07:25	07:25	07:08	07:26	07:16	09:51	07:30	07:24	07:22
7:40 PM	07:22	07:08	07:20	07:27	07:37	07:04	07:13	07:08	07:43	07:18	07:25	07:02
7:50 PM	06:57	07:06	07:48	07:02	07:12	07:08	07:08	07:04	07:29	07:04	07:35	07:00
8:00 PM	06:53	06:59	07:20	07:12	07:19	07:08	07:14	06:49	07:19	07:26	07:24	07:12
8:10 PM	06:56	07:07	07:20	06:58	07:08	06:53	07:12	07:02	07:02	07:18	07:27	07:06
8:20 PM	07:12	06:46	07:12	07:17	07:16	07:11	07:39	06:56	07:04	07:00	07:32	07:14
8:30 PM	07:12	06:49	07:04	07:10	07:25	07:12	07:16	07:02	07:15	07:09	07:26	07:08
8:40 PM	07:09	07:13	06:59	07:16	07:34	06:38	06:54	06:58	07:06	07:03	07:21	07:03
8:50 PM	07:02	07:23	07:03	06:53	07:17	06:51	06:58	06:52	07:06	07:09	07:00	07:02

Traction Probe Data Heatmap												
ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:00	07:08	07:02	06:47	07:08	06:52	07:09	07:05	06:51	07:00	06:55	07:39
5:20 AM	06:57	07:07	07:24	06:53	06:57	06:54	07:29	07:11	07:05	07:04	07:05	07:49
5:30 AM	06:57	07:29	07:11	06:54	07:15	07:06	07:44	07:17	07:11	07:05	07:21	07:37
5:40 AM	07:02	07:02	07:13	07:13	07:35	07:20	07:50	07:26	07:24	07:16	07:29	07:19
5:50 AM	07:03	07:16	07:37	07:09	07:23	07:38	08:13	07:26	07:01	07:10	07:45	07:31
6:00 AM	07:25	07:38		07:10	07:12	07:23	08:33	07:57	07:21	07:28	07:46	07:25
6:10 AM	07:39	07:45	08:16	07:27	07:46	07:27	08:09	07:46	07:17	07:42	08:02	07:30
6:20 AM	07:51	07:51	07:58	07:53	07:41	07:48	08:14	08:02	07:17	08:00	08:03	07:49
6:30 AM		07:30	07:42	07:47	07:40	08:03	08:17	08:18	07:30	08:20	07:59	07:36
6:40 AM	07:45	07:27	07:44	07:15	08:01	08:09	08:12	07:39	07:22	08:10	07:28	07:35
6:50 AM	08:10	07:58	07:46	07:40	07:59	08:23	08:27	08:02	07:39	08:07	08:16	07:55
7:00 AM	08:11	07:27	07:47	07:54	07:42	08:08	08:33	07:29	07:46	08:08	07:58	07:43
7:10 AM	08:05	07:46	08:02	07:43	08:01	08:03	08:33	07:38	07:41	08:35	08:16	07:50
7:20 AM	08:09	07:54	08:04	07:57	08:36	08:09	08:12	07:47	07:48	08:18	08:21	07:56
7:30 AM	07:57	08:09	07:58	08:33	08:25	07:59	08:41	07:29	07:45	07:54	07:56	07:56
7:40 AM	07:38	08:10	08:43	08:35	08:48	08:13	08:44	07:40	07:40	08:06	08:14	08:14
7:50 AM	08:22	07:41	08:21	08:11	07:53	07:59	08:19	07:59	08:05	08:20	08:14	08:07
8:00 AM	08:05	07:37	07:44	08:26	08:07	07:40		07:56	07:47	07:57	08:42	07:45
8:10 AM	08:35	08:16	07:50	08:03	08:03	08:03	08:32	08:00	07:54	07:50	08:27	08:02
8:20 AM	08:05	08:40	08:03	08:01	08:15	07:57	08:39	08:01	07:33	08:02	08:16	07:59
8:30 AM	08:02	08:04	08:10	08:27	07:52	08:13		08:01	07:49	07:55	08:17	08:02
8:40 AM	08:28		08:14	08:17	08:16	08:05	08:25	08:08	07:47	08:12	08:22	08:14
8:50 AM	07:37	08:16	07:29	08:12	08:03	08:05	08:30	07:53	07:40	07:56	08:38	07:55
9:00 AM	07:54	07:44	08:06	07:49	08:22	07:48	09:10	08:09	07:48	07:42	08:20	07:51
9:10 AM	08:06	08:00	08:27	08:21	08:33	08:15	09:33	08:10	07:59	07:53	08:41	08:44
9:20 AM	08:37	07:59	07:52	08:02	08:34	08:28	09:10	08:30	08:16	07:36	08:35	08:20
9:30 AM	08:10	08:04	07:56	08:04	08:36	08:20	09:19	08:12	08:05	07:55	08:49	08:04
9:40 AM	07:52	08:28	07:54	07:46	08:26	08:04	09:05	08:15	07:57	08:04	08:38	08:31
9:50 AM	08:14	07:45	07:49	07:53	08:13	08:04	08:59	08:19	07:40	08:29	08:14	08:41
10:00 AM	08:24	08:11	07:56	07:54	08:05	07:53	09:04	08:26	07:43	08:15	08:21	07:51
10:10 AM	08:09	08:13	07:50	08:27	07:59	07:55	08:47	08:13	08:12	08:25	08:05	08:24
10:20 AM	07:55	08:27	07:55	08:23	08:07	07:52	08:31	08:09	07:55	08:48	08:30	07:48
10:21 AM							09:07	08:23	07:54	08:11	08:07	07:54
10:30 AM	08:04	08:39	07:57	08:11	08:10	08:09	08:38	08:07	08:05	08:11	08:14	08:14
10:40 AM	08:13	08:25	08:13	08:30	08:02	08:05	08:43	08:20	08:25	08:50	08:09	08:20
10:50 AM	08:11	08:13	08:15	08:03	08:04	08:05	09:25	08:14	07:51	08:21	07:49	08:20
11:00 AM	08:09	08:22	08:09	07:48		08:15	08:18	08:13	08:02	08:30	07:55	08:10
11:10 AM	08:09	08:51	08:36	08:18	08:12	08:17	08:59	08:18	08:30	08:46	08:13	08:02
11:20 AM	08:12	08:28	08:16	07:57	08:19	08:06	08:49	08:22	08:18	08:05	08:00	07:53

ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:02	08:07	08:16	08:23	08:01	08:07	08:54	08:37	08:12	08:28	08:40	08:28
11:40 AM	08:33	08:14	08:39	08:08	08:17	08:14	08:54	08:53	08:28	08:29	08:15	08:28
11:50 AM	08:39	08:19	08:35	08:33	08:42	08:26		08:20	07:52	08:00	08:19	08:54
12:00 PM	08:27	08:31	08:34	08:04	08:24	08:11	08:53	08:39	08:15	08:08	08:34	08:40
12:10 PM	08:18	08:31	08:13	08:18	08:18	08:04	08:42	08:53	08:17	08:21	08:21	08:29
12:20 PM	08:17	08:20	08:48	08:06	08:25	08:22	08:45	08:35	08:14	08:39	08:26	08:24
12:30 PM	08:34	08:09	08:34	08:51	07:56	08:52	09:14	08:17	08:11	08:56	08:57	09:12
12:40 PM	08:40	08:52	08:37	08:25	08:20	08:39	08:51	08:25	08:04	08:17	08:13	08:28
12:50 PM	08:24	08:28	08:46	08:34	08:30	08:20	09:03	08:21	08:08	08:03	08:31	08:31
1:00 PM	08:12	08:46	08:31	08:08	08:02	08:01	09:05	08:42	08:47	09:30	08:13	08:56
1:10 PM	08:33	08:32	08:40	08:17	08:18	08:52	09:19	08:53	08:33	09:11	09:02	08:50
1:20 PM	08:20	08:03	08:28	08:11	08:23	08:48	08:52	08:27	08:21	08:28	08:44	08:22
1:30 PM	09:15	08:09	08:20	08:23	08:27	08:49	09:12	08:13	08:05	08:22	08:20	08:44
1:40 PM	08:23	08:25	09:47	08:35	08:23	08:39	08:57	08:52	08:29	08:27	09:26	08:32
1:50 PM	08:23	08:38	09:16	08:00	08:39	08:48	08:31	08:27	08:00	08:30	09:06	08:29
2:00 PM	08:11	08:43	08:46	08:16	08:41	09:30	09:46	08:30	08:07	08:34	08:53	07:47
2:10 PM	08:45	08:34	08:49	08:19	08:38	09:40	09:07	08:38	07:41	08:03	10:39	08:32
2:20 PM	08:29	09:22	09:37	08:13	08:27	09:16	09:03	08:23	07:32	07:48	10:05	08:11
2:30 PM	08:17	08:33	10:09	07:53	08:52	09:49	13:08	11:13	08:59	10:36	11:27	11:41
2:40 PM	11:17	10:39	11:14	10:38	10:29	14:07	13:36	12:37	09:34	13:40	12:42	12:32
2:50 PM	10:47	12:43	13:57	11:41	13:12	16:16	11:18	12:22	08:03	12:07	11:10	12:35
3:00 PM	10:29		13:47	11:19	11:44	16:35	11:13	12:18	07:49	11:28	12:00	13:38
3:10 PM	10:45	11:10	14:59	10:41	11:19	19:26	12:39	12:00	07:56	12:35	13:31	15:06
3:20 PM	12:32	11:35	13:53	11:58	11:37	21:39	12:07	10:21	08:19	11:29	14:43	14:10
3:30 PM	11:17	11:47	13:06	11:22	12:04	26:48	13:01	10:51	09:00	13:50	16:22	13:25
3:40 PM	11:59	12:06	14:35	10:45	12:40	29:06	13:24	10:09	07:53	13:10	15:04	13:17
3:50 PM	14:02	14:08	16:55	13:44	15:03	23:58	11:22	10:58	07:53	13:07	14:12	11:34
4:00 PM	12:00	14:11	18:13	13:50	13:24	25:27	11:59	11:18	08:20	12:41	18:27	11:53
4:10 PM	11:42	15:24	15:48	14:45	12:40	29:45	13:03	11:37	07:45	13:59	18:41	15:27
4:20 PM	13:02	15:24	16:29	14:56	15:36	32:16	11:45	09:33	07:32	15:24	15:40	12:38
4:30 PM	13:03	17:35	17:47	14:12	14:48	28:13	11:31	08:53	08:13	14:20	15:22	14:23
4:40 PM	15:15	20:04	17:44	16:40	14:05	36:21	11:19	09:10	08:12	16:19	17:12	15:14
4:41 PM	14:46						08:29	08:25	07:05	18:38	21:00	12:14
4:50 PM	16:49	19:57	16:56	15:29	15:14	34:32	09:52	09:09	08:14	21:20	17:16	14:30
5:00 PM	18:05	22:22	15:27	16:58	14:41	37:03	09:28	09:37	08:16	23:51	16:49	14:32
5:10 PM	16:36	20:34	17:09	19:02	16:48	35:29	08:20	09:47	08:28	23:07	16:57	15:21
5:20 PM	17:41	20:53	19:52	18:53	20:59	41:04	08:04	08:18	07:31	18:04	13:13	12:41
5:30 PM	18:00	24:05	18:33	18:25	19:55	38:39	08:10	07:44	07:05	14:58	11:09	13:11
5:40 PM	17:37	19:26	13:21	16:34	17:57	33:49	08:31	08:01	08:01	12:28	09:00	12:05
5:50 PM	15:29	16:33	09:37	13:26	14:38	34:43	08:02	08:35	07:29	13:19	09:01	11:02
6:00 PM	13:35	16:29	08:19	11:56	12:27	27:36	07:37	07:28	07:46	12:18	10:27	09:09
6:10 PM	14:04	15:16	09:40	10:34	11:46	23:52	07:35	07:15	07:42	10:12	10:26	08:26

ROUTE	Miramar Rd EB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	11:38	17:28	09:30	09:26	10:05	20:41	07:01	07:43	07:33	08:07	08:14	07:43
6:30 PM	09:28	16:30	08:39	07:29	09:16	19:34	06:57	07:50	07:14	08:17	07:38	07:21
6:40 PM	07:58	12:29	08:04	07:42	08:04	17:29	07:05	07:13	07:14	07:12	07:55	07:24
6:50 PM	07:36	10:40	08:00	07:48	07:30	16:37	07:35	07:39	07:22	07:35	08:11	08:26
7:00 PM	07:02	09:20	07:15	06:57	07:20	16:57	07:26	07:23	07:14	07:34	07:37	07:32
7:10 PM	07:39	09:02	07:17	07:36	07:46	17:05	07:04	07:22	07:01	07:35	07:37	07:27
7:20 PM	07:47	08:32	07:30	07:47	07:19	12:39	07:08	07:31	07:22	07:08	07:24	07:16
7:30 PM	07:33	08:01	07:38	07:29	07:19	09:03	07:24	07:11	07:11	07:02	07:09	07:30
7:40 PM	07:13	08:12	07:25	07:04	07:18	08:15	07:25	07:23	07:26	07:01	07:27	07:22
7:50 PM	07:08	07:25	07:30	07:02	07:17	08:15	07:12	07:06	07:05	07:25	07:12	07:18
8:00 PM	06:55	07:29	07:35	07:04	07:20	07:46	07:03	07:07	07:12	07:03	07:11	07:15
8:10 PM	06:59	07:43	07:21	06:53	07:17	07:39	07:12	07:22	07:06	07:40	07:01	07:16
8:20 PM	07:18	07:02	07:35	07:02	07:07	07:33	06:50	07:09	06:54	07:47	07:20	07:13
8:30 PM	06:59	07:21	07:12	06:50	07:04	07:19	06:51	07:15	07:05	07:20	07:23	07:02
8:40 PM	07:17	07:13	07:06	07:00	07:12	07:17						
8:50 PM	07:13	07:19	07:13	06:55	07:02	06:59						



Traction Probe Data Heatmap												
ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:15	07:29	06:58	07:18	06:47	07:14	07:06	06:59	06:57	07:37	07:10
5:20 AM		07:44	07:11	06:53	07:27	07:03	07:18	07:17	07:19	07:28	07:50	07:15
5:30 AM		08:23	07:47	07:36	07:30	07:31	07:14	08:04	07:37	07:36	07:56	07:22
5:40 AM		08:25	07:54	08:18	08:00	07:51	07:42	08:21	08:19	07:56	07:58	07:40
5:50 AM		08:26	08:48	08:39	08:33	08:22	08:36	08:47	09:30	08:54	08:24	08:52
6:00 AM		08:12	08:29	08:46	09:10	08:18	08:31	08:52	09:23	09:09	08:18	09:18
6:10 AM		08:15	08:01	08:09	08:51	08:21	07:45	08:16	08:24	08:25	08:09	09:00
6:20 AM		09:04	08:06	08:28	08:41	08:13	08:31	08:09	08:18	09:14	08:52	09:14
6:30 AM		09:05	08:38	08:31	08:56	08:24	08:48	08:14	09:23	08:53	08:41	09:50
6:40 AM		08:27	08:25	08:05	08:23	08:33	08:40	08:27	08:35	08:36	07:51	08:30
6:50 AM		09:02	08:04	08:27	09:13	08:22	08:34	08:19	08:34	08:51	08:35	09:04
7:00 AM		09:18	08:43	08:29	09:42	09:04	09:19	08:50	08:45	09:00	08:54	09:14
7:10 AM		09:19	09:06	09:32	10:05	08:35	09:51	08:38	09:18	08:56	09:41	09:57
7:20 AM		10:30	10:26	10:22	10:27	09:28	10:44	09:19	09:32	09:36	10:01	10:23
7:30 AM		12:18	13:57	12:10	11:06	09:32	11:52	10:58	10:31	10:01	10:03	10:25
7:40 AM		13:39	13:48	13:39	12:19	11:54	13:21	11:28	12:09	11:39	11:16	11:47
7:50 AM		13:54	15:05	15:00	13:22	13:22	13:28	13:52	13:57	13:57	10:52	13:46
8:00 AM		14:19	15:01	15:18	14:12	13:03	14:58	14:39	13:18	13:34	11:55	
8:10 AM		14:40	14:26	14:59	14:05	13:39	13:50	14:26	13:35	14:13	11:23	15:22
8:20 AM		14:44	15:24	15:12	14:57	13:49	14:34	13:39	13:35	13:52	10:27	14:58
8:30 AM		14:59	14:30	14:18	12:20	12:49	14:30	14:10	14:26	12:46	11:48	12:53
8:40 AM		16:06	15:20	14:38	14:24	12:12	13:18	14:39	13:42	12:34	10:51	13:49
8:50 AM		15:10	13:56	14:03	12:55	12:01	12:50	13:06	13:54	11:34	11:23	13:08
9:00 AM		14:05	12:53	14:46	12:51	12:54	13:51	13:13	12:07	11:45	12:18	13:28
9:10 AM		12:41	11:53	13:29	11:08	11:17	12:21	12:22	12:52	10:26	12:21	12:57
9:20 AM		12:40	10:57	12:10	09:41	10:12	10:48	11:35	09:25	08:59	10:48	13:03
9:30 AM		12:15	11:18	11:38	08:18	09:11	08:59	10:24	08:20	07:58	09:25	11:01
9:40 AM		10:34	10:32	10:25	08:39	08:09	08:24	08:33	08:09	08:16	08:44	10:11
9:50 AM		09:49	09:05	08:58	08:25	08:14	07:45	08:30	07:42	08:03	08:30	09:22
10:00 AM		09:31	08:26	08:29	08:24	08:00	08:03	07:38	07:56	07:58		08:29
10:10 AM		08:50	07:58	08:00	08:43	07:41	07:46	07:55	07:38	08:17	08:02	08:00
10:20 AM		08:19	07:56	07:51	08:07	07:20	09:59	07:30	07:40	07:41	08:03	07:30
10:21 AM								07:28				
10:30 AM		08:21	07:29	08:07	08:07	07:58	09:46	07:33	07:34	07:48	07:34	07:33
10:40 AM		07:54	07:56	07:59	07:42	07:04	09:33	07:37	07:36	07:50	07:30	07:21
10:50 AM		07:59	08:07	07:57	08:06	07:42	11:40	07:45	07:51	07:35	07:45	07:49
11:00 AM		07:58	07:51	07:54	07:53	07:34	11:11	08:09	07:33	08:20	07:29	07:47
11:10 AM		08:04	07:59	08:15	08:37	07:59	12:28	07:50		08:35	07:40	07:59
11:20 AM		08:35	09:59	08:38	08:35	07:57	13:03	08:07	08:31	08:49	08:03	08:10

ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:12	12:01	08:15	07:45	08:10	13:16	08:23	08:11	08:17	08:06	07:38
11:40 AM		08:35	14:52	07:40	08:12	08:07	12:18	08:16	08:06	08:14	08:09	08:25
11:50 AM		08:29	15:09	08:08	08:40	08:35	13:04	08:11	08:39	08:44	08:35	08:18
12:00 PM		08:49	10:46	08:19	08:53	08:14	08:38	08:19	08:07	08:55	08:47	08:11
12:10 PM		08:47	09:27	08:06	08:19	08:01	08:20	08:32	08:39	08:03	08:29	08:14
12:20 PM		08:26	08:24	08:07	08:28	07:56	07:48	08:33	08:05	09:00	08:11	08:07
12:30 PM		08:24	08:34	08:14	08:21	07:53	08:31	08:26	08:34	08:54	08:21	08:13
12:40 PM		08:44	08:21	08:35	09:12	08:00	08:30	08:13	08:03	08:16	08:47	08:20
12:50 PM		07:57	08:17	08:23	08:19	07:46	08:05	08:04	08:24	08:44	07:56	08:09
1:00 PM		08:10	08:30	08:02	08:09	08:09	08:13	08:26	08:21	08:47	07:50	08:02
1:10 PM	08:22	08:14	08:11	08:18	08:22	08:04	08:06	09:10	08:41	08:47	08:05	08:42
1:20 PM	08:27	08:29	07:44	08:25	08:02	07:30	08:18	08:11	08:08	08:26		08:10
1:30 PM	08:13	08:02	07:56	08:03	08:29	07:43	08:17	07:54	07:58	08:17	07:56	08:21
1:40 PM	08:17	08:18	08:02	08:24	07:53	07:55	07:52	07:38	08:33	08:26	08:14	08:01
1:50 PM	08:20	08:20	08:28	08:02	08:24	08:05	08:26	08:46	08:54	08:24	08:15	08:08
2:00 PM	07:46	08:45	08:19	07:45	08:28	08:22	08:01	08:07	09:35	08:26	08:51	07:54
2:10 PM	08:38	08:39	09:11	08:23	08:46	08:28	08:32	08:50	10:16	08:54	08:28	08:32
2:20 PM	08:19	07:58	08:25	08:10	08:23	08:13	08:17	08:19	09:47	08:39	08:16	08:15
2:30 PM	08:03	08:13	08:31	08:22	08:49	07:45	08:20	08:22	09:31	08:33	08:12	08:22
2:40 PM	08:21	08:46	08:38	08:23	08:43	08:14	08:42	08:42	09:41	09:09	08:34	08:40
2:50 PM	08:13	08:56	08:24	08:41	08:31	08:29	08:14	08:00	09:24	08:58	08:07	08:03
3:00 PM	07:59	08:05	08:00	07:53	08:14	08:14	07:50	08:10	09:05	08:10	08:01	07:53
3:10 PM	08:15	08:26	07:59	07:51	08:05	07:50	07:57	08:09	09:13	08:34	08:10	08:27
3:20 PM	07:37	08:14	07:49	07:55	08:16	07:59	08:29	07:56	09:43	08:00	08:26	08:15
3:30 PM	07:23	07:55	08:01	08:01	07:55	07:39	07:36	08:06	11:36	08:09	08:13	08:12
3:40 PM	08:01	07:39	08:01	08:18	08:04	07:44	08:02	08:19	11:56	08:22	08:16	08:00
3:50 PM	08:02	08:06	08:00	08:35	07:43	08:06	07:49	07:52	13:44	08:02	08:26	07:59
4:00 PM	08:15	08:40	08:03	08:19	08:23	08:05	07:37	08:17	14:03	08:11	08:38	08:06
4:10 PM	08:11	08:12	08:05	08:06	08:11	08:11	07:52	07:53	13:25	08:09	08:43	08:15
4:20 PM	07:52	08:04	08:19	07:51	08:26	08:07	08:11	08:35	20:44	08:21	08:47	08:27
4:30 PM	07:57	08:00	08:12	08:20	08:28	08:27	08:05	08:00	22:48	08:10	08:38	08:14
4:40 PM	07:44	08:39	08:34	08:07	08:31	08:44	07:58	08:25	20:42	08:33	08:17	08:20
4:41 PM												
4:50 PM	08:15	08:24	08:56	09:03	08:26	08:17	08:27	08:42	20:55	08:15	08:45	09:08
5:00 PM	07:34	08:20	08:33	08:41	08:49	08:16	08:33	08:03	22:27	08:00	08:40	09:08
5:10 PM	08:32	08:36	08:46	08:44	08:44	07:53	08:57	08:43	22:06	08:18	08:51	08:12
5:20 PM	07:57	08:15	09:18	09:22	09:16	08:21	08:44	09:08	24:23	08:19	09:20	08:39
5:30 PM	08:11	08:01	08:27	08:29	08:32	08:12	08:37	08:00	20:25	08:19	08:45	08:20
5:40 PM	08:06	08:24	08:13	08:08	08:10	08:03	07:53	08:23	17:53	08:14	08:30	08:15
5:50 PM	07:34	08:19	08:18	08:22	08:28	07:37	08:04	08:36	18:25	07:59	08:47	08:19
6:00 PM	08:00	07:57	08:14	08:09	08:01	07:38	07:59	08:33	13:48	08:13	09:09	08:29
6:10 PM	07:49	07:51	08:28	07:49	07:49	07:46	07:58	08:15	13:29	07:36	08:04	08:17



ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	07:35	07:35	07:59	07:59	07:38	07:19	08:26	08:03	14:25	07:38	08:02	07:55
6:30 PM	07:25	07:44	07:21	07:31	07:44	07:26	07:32	07:39	15:54	07:36	07:47	07:35
6:40 PM	07:49	08:06	07:52	07:38	07:33	07:29	07:37	07:48	11:52	07:32	07:36	07:41
6:50 PM	07:21	06:58	07:29	07:26	07:42	07:20	07:16	07:29	09:44	07:25	08:02	07:25
7:00 PM	07:17	07:10	07:26	07:25	07:08	07:18	07:14	07:19	08:13	07:14	07:12	07:22
7:10 PM	06:46	07:10	07:10	07:03	07:09	07:13	07:14	07:06	08:05	07:15	07:12	07:03
7:20 PM	06:45	06:54	06:59	07:10	07:05	07:08	07:38	06:54	07:41	07:12	06:53	06:54
7:30 PM	06:50	06:42	06:57	06:57	06:46	06:55	07:03	06:40	07:22	06:55	07:03	06:51
7:40 PM	06:42	06:45	07:02	06:52	06:54	06:36	06:40	06:38	07:17	06:59	06:46	06:40
7:50 PM	06:42	06:58	06:56	06:43	07:00	06:41	06:45	06:40	07:03	06:45	07:13	06:40
8:00 PM	07:04	06:45	06:50	06:57	06:53	06:37	07:01	06:43	06:56	06:47	06:52	06:29
8:10 PM	06:49	06:47	06:45	06:33	06:35	06:47	07:00	06:43	06:56	06:56	07:00	06:48
8:20 PM	06:49	06:54	06:52	06:47	06:39	06:28	06:44	06:55	07:02	06:54	06:46	06:50
8:30 PM	06:29	06:40	07:17	06:55	06:45	06:46	06:59	06:51	06:36	06:52	06:56	06:55
8:40 PM	06:36	06:43	06:56	06:59	07:05	06:38	06:47	06:46	06:45	06:56	06:50	06:44
8:50 PM	06:57	07:11	06:44	06:37	06:50	06:40	06:42	06:36	06:48	06:48	06:49	06:57

Traction Probe Data Heatmap												
ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:07	07:10	07:27	06:57	07:11	07:26	07:52	07:11	07:27	07:35	07:09	06:56
5:20 AM	07:25	07:16	07:15	07:35	07:27	07:22	08:18	07:11	07:20	07:18	07:23	07:32
5:30 AM	07:22	07:32	07:45	07:13	07:27	07:39	07:49	07:41	07:30	07:21	07:18	07:58
5:40 AM	08:00	08:00	07:40	07:31	07:57	08:30	08:30	08:04	07:34	07:56	07:43	08:42
5:50 AM	08:12	08:33	08:48	08:11	08:36	08:23	09:23	08:37	07:13	08:34	08:12	08:37
6:00 AM	08:14		09:45	08:01	08:37	08:39	08:25	08:15	07:52	08:17	08:03	08:10
6:10 AM	08:23	07:53	09:08	08:10	08:50	08:11	08:54	08:22	07:53	08:22	07:56	07:59
6:20 AM	08:15	08:51	08:40	08:07	08:22	08:43	09:12	08:33	07:44	08:21	08:36	08:11
6:30 AM		08:27	08:56	08:51	08:49	09:44	09:54	08:36	08:16	08:36	08:38	08:56
6:40 AM	08:27	07:58	07:59	07:48	08:10	08:28	11:21	08:22	08:21	08:48	08:25	08:55
6:50 AM	08:17	08:53	08:17	07:49	08:53	09:06	12:38	08:16	07:24	08:09	08:24	08:13
7:00 AM	10:11	09:21	09:02	08:14	09:51	10:35	12:21	08:05	07:15	09:00	09:20	08:06
7:10 AM	09:34	10:06	09:56	08:24	10:34	10:03	13:15	08:32	07:36	09:44	10:10	09:06
7:20 AM	11:14	11:58	11:14	10:53	11:48	09:45	12:22	08:53	07:50	11:13	11:53	09:25
7:30 AM	11:22	12:53	11:22	13:17	12:56		15:34	11:01	07:47	12:00	13:07	10:52
7:40 AM	14:27	13:57	12:49	14:32	13:36	13:25	21:27	10:53	08:15	15:12	14:34	12:38
7:50 AM	15:08	13:55	13:29	16:11	13:45	14:46	22:16	11:29	07:55	13:39	13:52	13:38
8:00 AM	14:43	15:24	12:59	15:57	14:34	15:00		11:22	07:51	14:38	15:01	13:51
8:10 AM	15:46	14:52	12:56	14:04	13:46	14:07	22:58	11:21	08:02	14:40	16:09	12:32
8:20 AM	15:18	14:50	13:20	16:04	14:43	13:31	25:20	08:56	07:56	13:26	16:51	11:42
8:30 AM	14:22	16:01	12:14	13:56	15:24	13:34	24:32	08:20	07:42	14:26	16:12	11:15
8:40 AM	14:59		12:42	15:20	14:54	13:45	24:37	08:21	07:44	14:30	16:16	11:56
8:50 AM	15:20	14:59	11:16	14:05	15:35	14:02	22:38	09:54	07:44	13:46	18:11	11:06
9:00 AM	14:45	15:12	11:55	15:10	16:33	14:59	24:03	08:34	07:59	12:56	15:21	09:53
9:10 AM	12:39	12:24	09:59	12:10	12:47	12:04	22:55	08:08	07:25	12:04	13:04	08:41
9:20 AM	12:44	10:29	10:01	12:32	11:08	10:14	22:00	08:06	07:10	10:16	11:56	08:10
9:30 AM	11:55	08:51	09:08	10:33	11:52	08:27	20:02	08:00	07:22	09:04	09:40	08:07
9:40 AM	10:23	08:17	08:00	09:35	10:09	08:04	22:08	07:37	07:07	08:03	07:53	08:05
9:50 AM	09:40	08:03	07:57	09:10	09:53	08:08	19:16	07:59	07:36	07:54	08:32	07:54
10:00 AM	08:18	08:29	07:37	08:06	08:54	07:48	12:34	07:44	07:38	08:08	07:49	07:46
10:10 AM	08:09	07:46	07:25	07:49	08:12	07:36	09:41	07:47	07:19	07:21	08:12	07:41
10:20 AM	07:42	08:15	07:41	07:43	08:17	07:57	08:03	08:06	07:41	08:06	07:42	07:41
10:21 AM							07:45	07:37	07:48	08:04	07:56	08:07
10:30 AM	07:34	08:01	07:25	07:42	07:48	07:34	08:23	07:52	07:20	07:27	07:25	08:12
10:40 AM	07:44	07:44	07:49	08:12	08:07	07:48	08:28	07:45	07:27	07:41	07:57	07:56
10:50 AM	08:04	07:57	07:57	07:36	07:46	08:34	08:07	08:11	07:59	07:44	07:45	08:10
11:00 AM	07:54	07:55	07:42	07:34		08:11	08:35	08:19	07:50	08:01	08:09	08:04
11:10 AM	07:42	08:02	08:17	08:07	08:09	08:23	08:34	08:31	08:02	07:58	08:37	08:17
11:20 AM	08:09	07:59	08:15	07:56	08:06	08:26	08:43	07:54	07:41	07:52	08:28	08:22

ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:09	08:00	09:20	08:15	08:02	08:13	08:13	08:16	07:58	08:25	08:27	08:18
11:40 AM	08:03	08:04	08:17	08:10	08:22	08:26	08:33	08:25	07:47	08:20	08:29	08:29
11:50 AM	08:35	08:47	08:56	08:32	08:22	08:35	08:08	08:37	08:18	08:02	08:47	08:21
12:00 PM	08:38	08:59	08:17	08:45	08:41	08:31	08:23	08:20	08:23	08:20	08:21	08:42
12:10 PM	08:21	08:13	08:33	08:16	08:13	08:23	08:30	08:11	08:00	08:24	08:38	08:26
12:20 PM	08:24	08:17	08:53	08:03	07:59	08:28	08:28	08:36	08:07	08:12	09:13	08:42
12:30 PM	08:16	08:12	08:41	08:32	08:10	08:08	08:43	08:55	08:00	08:14	08:45	08:25
12:40 PM	08:24	08:04	08:44	08:52	08:40	08:19	08:39	08:32	07:42	08:14	08:25	08:27
12:50 PM	08:01	08:00	08:41	08:05	08:28	08:05	08:48	08:12	08:02	08:24	08:18	07:44
1:00 PM	08:21	08:04	08:30	07:50	08:47	08:04	08:23	08:28	07:46	08:29	08:38	08:16
1:10 PM	08:14	08:25	08:42	08:12	07:53	08:26	08:26	08:36	08:11	08:09	08:29	08:20
1:20 PM	08:27	08:01	08:32	08:12	07:54	08:36	08:17	08:37	08:24	08:22	08:16	08:00
1:30 PM	08:01	07:59	08:33	08:21	08:21	08:27	08:42	09:02	08:04	07:46	08:27	08:03
1:40 PM	07:49	08:19	08:53	08:08	08:38	08:29	08:34	08:17	08:03	08:31	08:24	08:32
1:50 PM	07:56	08:13	08:10	08:03	08:34	08:13	08:37	08:31	08:02	07:52	08:37	08:42
2:00 PM	08:27	08:24	08:41	08:35	08:30	08:39	08:58	09:12	08:51	08:17	09:13	08:44
2:10 PM	08:27	08:39	08:36	08:34	09:01	08:50	08:46	08:34	08:34	08:09	09:12	08:31
2:20 PM	08:40	08:45	08:55	08:37	08:13	08:25	08:15	08:31	08:17	08:11	08:36	08:36
2:30 PM	08:12	08:18	08:40	08:51	08:41	08:27	09:17	08:52	08:11	09:12	08:54	10:12
2:40 PM	08:44	08:37	08:50	09:02	09:04	08:48	08:46	08:30	08:07	08:28	09:00	08:44
2:50 PM	08:21	09:02	08:32	08:41	08:20	08:38	08:26	08:21	07:51	07:43	08:41	08:40
3:00 PM	07:58	08:03	08:27	07:49	07:50	08:52	08:36	08:42	07:53	07:49	08:26	08:55
3:10 PM	08:22	07:44	08:22	07:55	08:04	09:26	08:20	08:15	07:40	08:05	08:27	08:40
3:20 PM	08:04	07:53	08:42	07:36	08:08	10:26	08:29	08:06	07:40	07:36	08:58	08:08
3:30 PM	08:10	07:42	08:16	07:32	07:46	09:25	08:14	08:01	07:32	08:14	09:09	08:17
3:40 PM	08:16	08:06	08:15	08:10	08:13	10:35	08:32	08:22	07:34	08:18	08:38	08:24
3:50 PM	08:21	08:32	08:36	07:57	08:25	10:31	08:15	08:28	07:54	08:18	08:10	08:21
4:00 PM	08:06	08:03	08:15	07:45	07:58	10:23	08:25	08:07	07:30	08:11	08:23	08:48
4:10 PM	08:05	08:10	08:24	08:23	07:50	11:08	08:42	08:29	07:19	07:51	07:59	08:14
4:20 PM	07:58	08:30	08:18	08:04	08:04	10:44	08:47	08:16	07:32	08:08	08:58	08:11
4:30 PM	08:39	08:01	08:21	07:57	08:02	11:51	09:18	08:35	08:07	08:19	09:25	08:22
4:40 PM	08:40	08:12	08:18	08:16	08:18	13:19	08:05	08:16	07:40	08:32	09:17	08:45
4:41 PM	08:35						08:09	08:13	07:35	08:36	09:29	08:12
4:50 PM	08:53	08:29	08:48	07:58	08:18	13:23	08:38	08:51	08:08	09:30	10:04	08:45
5:00 PM	08:33	08:35	08:36	08:11	08:06	13:35	08:18	08:10	07:32	09:24	09:43	08:10
5:10 PM	09:06	09:28	08:41	08:59	08:37	17:39	08:21	08:07	07:35	08:36	08:49	08:58
5:20 PM	08:37	09:33	08:29	08:28	08:32	20:18	07:48	08:02	07:25	08:03	09:00	08:21
5:30 PM	07:54	08:26	08:23	08:15	08:20	18:30	07:47	07:51	07:30	08:22	07:52	08:15
5:40 PM	08:28	08:10	07:53	07:54	08:08	16:41	08:11	07:45	07:41	08:58	08:17	08:20
5:50 PM	08:26	08:35	08:22	08:10	07:44	14:40	07:28	07:38	07:39	08:27	07:50	08:05
6:00 PM	08:13	08:40	08:21	07:52	07:57	12:07	07:18	07:57	07:50	07:40	07:41	08:33
6:10 PM	08:38	08:02	07:57	07:43	07:46	10:23	07:49	07:32	07:30	07:58	07:52	07:56

ROUTE	Miramar Rd WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	08:09	08:06	08:03	07:25	07:55	09:34	07:27	07:21	07:29	07:44	07:40	08:23
6:30 PM	07:54	07:56	07:36	07:38	07:52	10:12	07:07	07:17	07:48	07:39	07:19	07:35
6:40 PM	07:47	07:45	07:46	07:30	07:42	09:26	07:36	07:35	07:10	07:26	07:59	07:17
6:50 PM	07:23	07:21	07:20	07:27	07:13	09:56	07:17	07:08	07:17	07:25	07:19	07:30
7:00 PM	07:07	07:20	07:26	07:24	07:03	08:29	07:18	07:03	07:04	07:00	07:08	07:11
7:10 PM	07:21	07:10	07:14	07:07	07:05	07:53	07:00	06:45	06:50	06:48	07:06	07:11
7:20 PM	07:20	06:48	07:04	06:52	06:46	07:56	07:06	06:47	06:49	06:47	06:53	07:06
7:30 PM	07:04	07:05	07:08	06:54	06:34	07:44	06:57	06:52	06:35	06:51	06:59	06:57
7:40 PM	06:51	06:47	07:13	06:49	06:35	07:13	06:37	07:06	06:40	07:25	07:03	06:58
7:50 PM	06:53	06:57	07:04	07:00	06:49	07:19	07:04	06:55	06:37	06:51	07:36	07:09
8:00 PM	06:39	07:05	07:00	06:41	07:02	07:11	06:42	06:58	06:50	06:46	06:48	06:40
8:10 PM	06:50	06:53	06:50	06:52	06:49	06:54	06:46	06:40	06:54	06:41	06:58	06:35
8:20 PM	06:42	06:32	06:50	06:41	06:57	06:46	07:23	06:42	07:09	06:46	07:12	06:31
8:30 PM	06:56	06:42	06:53	06:30	06:53	07:08	06:42	06:45	06:30	06:55	07:22	06:37
8:40 PM	06:42	06:42	06:54	06:24	06:45	06:58						
8:50 PM	06:41	06:53	07:00	06:38	06:44	07:17						

Traction Probe Data Heatmap

Pacific Heights Blvd NB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:37	02:47	02:31	02:29	02:33	02:34	02:44	02:33	02:34	02:35	02:42
5:20 AM		02:38	02:49	02:32	02:29	02:33	02:34	02:40	02:33	02:32	02:34	02:41
5:30 AM		02:44	03:08	02:33	02:33	02:41	02:41	03:00	02:34	02:32	02:42	02:51
5:40 AM		02:50	03:08	02:30	02:33	02:42	02:49	03:01	02:34	02:32	02:43	02:51
5:50 AM		02:50	02:57	03:09	02:33	02:37	02:45	02:53	02:39	02:32	02:40	02:49
6:00 AM		02:43	03:07	03:32	02:39	02:45	02:43	03:01	02:49	02:35	02:49	02:48
6:10 AM		02:40	02:59	02:50	02:47	02:41	02:45	02:57	02:42	02:32	02:47	02:47
6:20 AM		02:37	03:02	02:50	03:02	02:41	02:47	02:53	02:38	02:39	02:39	02:46
6:30 AM		02:44	03:00	02:57	02:50	02:44	02:56	03:05	02:43	02:42	02:37	02:49
6:40 AM		02:49	02:57	02:46	02:47	03:19	02:50	03:01	02:42	02:45	02:42	02:52
6:50 AM		02:48	02:59	02:56	02:49	03:27	03:08	03:10	02:53	02:43	02:50	03:04
7:00 AM		03:00	02:47	03:00	02:49	03:58	03:09	03:13	02:40	02:42	02:50	03:44
7:10 AM		02:53	02:49	02:50	02:50	02:44	02:54	03:07	02:43	02:50	02:40	03:05
7:20 AM		02:49	03:00	02:45	02:50	02:37	02:49	03:02	02:44	02:54	02:45	02:49
7:30 AM		03:02	03:02	03:01	02:50	02:49	02:58	02:44	02:59	03:04	02:50	02:54
7:40 AM		02:59	02:53	02:53	02:50	02:46	02:58	02:38	02:57	03:05	02:57	02:46
7:50 AM		03:14	02:58	03:11	03:04	02:58	03:04	02:55	03:02	02:59	03:05	02:58
8:00 AM		03:14	03:12	03:12	03:05	03:14	03:00	02:55	03:18	03:28	02:56	02:51
8:10 AM		03:14	03:19	03:09	02:57	03:09	02:54	03:13	03:04	03:11	02:50	02:47
8:20 AM		03:06	03:03	03:03	02:55	03:11	03:02	03:18	03:21	03:17	03:07	02:59
8:30 AM		03:22	03:03	03:12	03:06	02:56	03:33	03:13	03:15	03:06	03:05	02:56
8:40 AM		03:48	03:07	03:12	03:30	03:02	03:04	03:03	03:25	03:19	03:21	03:02
8:50 AM		02:59	03:27	02:55	03:12	03:32	03:21	03:25	03:11	02:54	03:24	03:17
9:00 AM		03:10	03:28	03:04	03:16	03:07	03:05	03:14	03:18	02:51	03:05	03:12
9:10 AM		03:26	03:17	03:19	03:14	03:52	03:10	03:46	03:39	02:59	03:23	03:11
9:20 AM		03:29	03:13	03:32	02:54	03:38	03:27	03:57	03:31	03:23	03:09	03:19
9:30 AM		03:16	03:17	03:21	03:07	03:53	03:20	03:23	03:10	03:19	03:01	03:16
9:40 AM		03:09	03:19	03:12	03:05	03:15	02:59	03:42	03:19	03:13	03:24	03:31
9:50 AM		03:29	03:22	03:26	03:10	03:26	03:07	03:11	03:11	03:20	03:38	03:13
10:00 AM		03:24	03:36	03:26	03:25	03:18	03:09	03:26	02:59	03:00	03:15	03:20
10:10 AM		03:10	03:48	03:03	03:00	03:08	02:55	03:27	03:09	03:14	03:28	03:05
10:20 AM		03:17	03:15	03:17	03:03	03:51	03:11	03:18	03:16	03:16	03:09	03:23
10:21 AM								03:19				
10:30 AM		03:06	03:09	03:19	03:01	03:26	03:10	03:05	03:23	03:00	02:55	03:26
10:40 AM		03:00	03:17	02:58	03:13	03:17	03:33	03:05	03:05	03:14	03:04	03:13
10:50 AM		03:02	03:07	02:54	03:03	03:14	03:19	03:08	03:06	03:00	02:56	03:24
11:00 AM		03:08	03:10	03:11	03:07	03:16	03:15	03:07	03:13	03:00	03:08	03:28
11:10 AM		03:09	02:59	03:23	03:16	03:08	03:11	03:07		03:14	03:11	03:16
11:20 AM		03:16	03:11	03:24	03:31	03:30	03:05	03:15	03:21	03:10	03:15	03:05



ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		03:39	03:24	03:15	03:17	02:58	03:27	03:09	03:07	03:07	02:58	03:09
11:40 AM		03:51	03:30	03:38	03:26	03:08	03:19	03:17	03:49	03:02	03:14	03:13
11:50 AM		03:21	03:34	03:27	03:19	03:23	03:32	03:26	03:36	02:54	03:15	03:12
12:00 PM		03:25	03:39	03:34	03:16	03:33	03:34	03:26	03:33	03:12	03:26	03:35
12:10 PM		04:01	03:39	03:26	03:38	03:30	03:34	04:06	03:30	03:23	03:33	03:45
12:20 PM		04:00	03:28	03:29	03:42	03:40	03:19	03:46	03:34	03:44	03:44	03:35
12:30 PM		03:58	03:22	03:21	03:57	03:40	03:38	03:55	03:59	03:43	03:44	03:27
12:40 PM		03:23	03:26	03:22	04:09	03:50	03:28	03:21	03:57	03:29	03:43	03:30
12:50 PM		03:08	03:47	03:19	04:16	03:48	03:33	03:39	03:38	03:11	03:25	03:17
1:00 PM		03:09	03:39	03:11	04:04	03:53	03:40	03:33	03:48	03:31	03:25	02:59
1:10 PM	03:24	03:53	03:42	03:10	04:08	03:37	03:34	03:31	03:38	03:25	03:34	03:24
1:20 PM	03:14	03:21	03:32	03:22	03:53	03:41	03:43	03:08	03:26	03:37		03:20
1:30 PM	03:13	03:35	03:31	03:11	03:28	03:30	03:32	03:39	03:30	03:46	03:23	03:06
1:40 PM	03:26	03:28	03:33	03:31	03:53	03:25	03:40	03:30	03:36	03:54	03:10	03:28
1:50 PM	03:20	03:15	03:30	03:13	03:27	03:52	03:39	03:43	03:38	03:45	03:19	03:22
2:00 PM	03:16	03:25	03:33	03:10	03:24	03:26	03:16	03:27	03:51	03:24	03:06	03:15
2:10 PM	03:08	03:25	03:24	02:56	03:07	03:28	03:19	03:19	03:54	03:06	03:15	03:20
2:20 PM	03:39	03:22	03:04	03:04	03:13	03:24	03:15	03:19	03:16	03:09	03:16	03:14
2:30 PM	03:38	03:29	03:22	03:07	03:01	03:17	03:32	03:29	03:13	03:11	03:10	03:18
2:40 PM	03:19	03:36	03:45	02:54	03:02	03:22	03:26	03:27	03:19	03:23	03:32	03:25
2:50 PM	03:18	03:35	03:49	03:18	03:10	03:16	03:19	03:29	03:11	03:23	03:42	03:15
3:00 PM	03:19	03:17	03:35	03:17	03:09	03:17	03:23	03:29	03:13	03:29	03:28	03:22
3:10 PM	03:18	03:14	03:27	02:59	03:09	03:35	03:24	03:21	03:20	03:16	03:32	03:26
3:20 PM	03:23	03:27	03:35	03:02	02:55	03:19	03:22	03:13	03:25	03:18	03:16	03:33
3:30 PM	03:22	03:15	03:26	03:04	02:57	03:31	03:23	03:13	03:24	03:18	03:24	03:23
3:40 PM	03:23	03:35	03:36	03:28	03:16	03:34	03:06	03:18	03:30	03:31	03:28	03:17
3:50 PM	03:17	03:34	03:31	03:23	03:20	03:11	03:10	03:35	03:20	03:47	03:30	03:16
4:00 PM	03:14	03:29	03:32	03:16	03:18	03:08	03:23	03:34	03:29	04:15	03:32	03:24
4:10 PM	03:40	03:41	03:43	03:39	03:49	03:11	03:14	03:15	03:49	04:07	03:20	03:35
4:20 PM	03:24	03:25	03:44	03:25	03:42	03:35	03:43	03:15	03:24	03:57	03:47	03:56
4:30 PM	03:17	03:43	03:47	03:43	03:24	03:23	03:39	03:13	03:41	03:48	03:29	03:28
4:40 PM	03:10	03:48	03:23	03:58	03:33	03:35	03:40	03:13	03:46	03:31	03:36	03:31
4:41 PM												
4:50 PM	04:00	03:41	03:27	03:58	03:31	03:06	03:38	03:14	04:33	03:28	03:31	03:30
5:00 PM	03:39	03:30	03:44	03:03	03:16	03:22	03:46	03:29	04:07	03:55	03:30	03:32
5:10 PM	03:40	03:41	03:15	03:15	03:31	03:32	03:57	03:49	04:16	04:02	03:37	03:42
5:20 PM	03:39	03:45	04:01	03:37	03:43	03:52	04:48	03:47	04:12	03:34	03:32	04:06
5:30 PM	03:30		04:09	03:45	03:48	03:47	03:57	03:55	05:15	04:01	03:52	03:36
5:40 PM	03:30	03:52	04:19	03:55	03:39	03:48	03:56	03:28	05:53	03:51	03:59	03:50
5:50 PM	03:38	03:58	04:10	03:52	04:11	03:31	03:44	03:37	05:18	03:40	03:44	03:51
6:00 PM	03:17	03:25	04:02	03:51	03:34	03:19	03:42	03:37	06:19	03:34	03:35	03:39
6:10 PM	03:24	03:32	03:41	04:10	03:30	03:27	03:15	03:19	04:12	03:33	03:30	03:18

ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	03:55	03:45	04:11	04:09	03:47	03:40	03:12	03:12	04:04	03:25	03:30	03:28
6:30 PM	03:49	03:30	03:31	03:48	03:44	03:30	03:20	03:30	03:51	03:16	03:31	03:16
6:40 PM	03:32	03:22	03:27	03:33	03:27	03:28	03:41	03:16	04:00	03:14	03:35	03:20
6:50 PM	03:28	03:29	03:31	03:32	03:27	03:05	03:30	03:21	03:44	03:07	03:37	03:17
7:00 PM	03:25	03:31	03:28	03:28	03:44	03:22	03:41	03:11	03:23	03:05	03:52	03:03
7:10 PM	03:22	03:54	03:24	03:20	03:30	03:05	03:34	03:06	03:19	03:16	03:29	03:18
7:20 PM	03:17	03:47	03:23	03:18	03:24	03:12	03:30	03:11	03:22	03:16	03:31	03:07
7:30 PM	03:18	03:40	03:21	03:29	03:11	03:13	03:41	03:13	03:21	03:20	03:13	03:19
7:40 PM	03:18	03:39	03:22	03:36	03:14	03:12	03:57	03:18	03:18	03:04	03:31	03:17
7:50 PM	03:10	03:38	03:18	03:30	03:09	03:26	03:43	03:17	03:11	03:08	03:34	03:14
8:00 PM	03:06	03:25	03:31	03:40	03:10	03:24	03:41	03:09	03:08	03:41	03:38	03:18
8:10 PM	03:05	03:21	03:47	03:20	02:59	03:09	03:26	03:08	03:07	03:39	03:41	03:18
8:20 PM	02:54	03:18	03:37	03:12	03:00	03:15	03:25	02:58	03:00	03:41	03:45	03:11
8:30 PM	02:53	03:18	03:39	03:04	03:15	03:11	03:20	02:58	02:55	03:41	03:50	03:16
8:40 PM	02:50	03:12	03:35	02:54	03:20	03:14	03:10	02:59	02:58	03:38	03:22	03:10
8:50 PM	02:55	03:12	03:25	02:52	03:09	03:08	03:08	03:02	02:53	03:06	03:50	03:15



Traction Probe Data Heatmap												
ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:42	02:32	02:31	02:34	02:35	02:52	02:40	02:28	02:28	02:36	02:42	02:35
5:20 AM	02:41	02:32	02:31	02:34	02:35	02:51	02:38	02:31	02:27	02:36	02:38	02:35
5:30 AM	02:59	02:33	02:30	02:41	02:43	03:07	02:42	02:30	02:39	02:39	02:51	02:32
5:40 AM	03:01	02:34	02:30	02:43	02:49	03:11	02:35	02:30	02:41	02:45	02:50	02:31
5:50 AM	02:54	02:32	02:33	02:40	02:47	03:02	02:43	02:39	02:39	02:45	02:45	02:32
6:00 AM	03:02	02:45	02:35	02:43	02:47	02:53	02:45	02:35	02:50	02:47	02:47	02:36
6:10 AM	03:02	02:36	02:42	02:42	02:40	03:02	02:41	02:36	02:53	02:45	02:44	02:39
6:20 AM	02:54	02:36	02:47	02:43	02:38	02:53	02:52	02:35	02:55	02:56	02:46	02:40
6:30 AM		02:40	02:53	02:52	02:41	02:53	02:40	02:41	03:00	02:46	02:49	02:39
6:40 AM	03:06	02:41	02:50	02:50	02:43	02:50	02:46	02:40	02:59	02:49	02:51	02:47
6:50 AM	03:04	02:56	02:47	02:52	02:44	02:51	02:40	02:38	02:58	02:49	02:51	02:38
7:00 AM	03:11	02:56	02:55	03:00	02:46	02:48	02:44	02:41	04:30	02:53	02:48	02:44
7:10 AM	03:23	03:07	03:10	02:56	02:59	02:41	02:39	02:51	04:14	02:51	03:20	02:46
7:20 AM	03:19	02:58	02:56	03:09	03:09	02:42	02:42	02:43	03:02	03:02	02:52	02:48
7:30 AM	03:25	02:54	03:01	03:06	03:05	02:42	03:01	02:29	03:07	03:04	02:53	03:00
7:40 AM	03:22	02:53	03:11	03:15	03:25	02:43	03:00	02:46	02:53	03:00	02:58	03:02
7:50 AM	02:55	02:55	02:47	03:21	03:06	02:44	03:01	03:07	03:18	03:11	03:29	03:05
8:00 AM	02:55	03:10	02:59	02:55	02:58	03:18	03:04	03:25	02:57	02:54	03:09	02:53
8:10 AM	03:11	02:59	03:17	03:29	02:59	03:02	03:14	02:54	03:04	02:52	03:21	03:02
8:20 AM	03:25	03:05	03:22	03:31	02:45	03:12	03:03	03:03	02:58	02:58	02:59	03:09
8:30 AM	03:08	03:22	03:21	03:27	03:03	03:31	03:17	03:08	02:58	03:23	03:10	03:02
8:40 AM	03:06		03:32	03:39	02:57	02:54	03:32	03:08	02:50	03:10	03:03	03:09
8:50 AM	02:57	03:28	03:22	03:14	03:09	02:53	03:41	02:57	03:13	02:50	03:40	03:02
9:00 AM	02:58	03:20	03:10	03:07	03:23	03:16	03:20	03:00	03:10	03:12	03:22	03:17
9:10 AM	03:04	03:25	02:59	03:00	03:25	03:03	03:10	03:09	03:10	03:02	02:53	03:07
9:20 AM	03:23	03:30	03:40	02:53	03:13	03:06	02:55	03:02	03:22	03:26	03:07	03:10
9:30 AM	03:10	03:46	03:26	03:17	03:07	03:15	03:00	03:16	03:18	03:24	03:09	03:17
9:40 AM	03:26	03:24	03:38	03:35	03:17	03:06	03:01	03:17	03:14	03:20	03:02	03:06
9:50 AM	03:08	03:23	03:38	03:26	03:17	03:16	03:17	03:20	03:18	03:10	03:18	03:06
10:00 AM	03:31	03:03	03:21	03:19	03:05	03:17	03:06	03:03	03:14	02:56	03:17	03:19
10:10 AM	03:56	03:08	04:12	03:12	03:19	03:27	03:05	03:25	03:40	02:57	03:20	03:18
10:20 AM	03:21	03:01	03:30	03:21	03:31	03:13	03:11	03:14	03:00	03:07	03:08	03:04
10:21 AM							03:12	03:12	03:06	02:51	03:07	02:58
10:30 AM	03:16	03:07	03:08	03:20	03:22	03:11	03:08	03:20	03:10	02:58	02:59	02:57
10:40 AM	03:10	03:16	03:23	03:07	03:21	03:03	03:14	03:13	03:18	03:27	03:15	03:00
10:50 AM	03:11	03:19	03:13	03:12	03:03	03:07	03:32	03:09	03:19	03:23	03:20	03:08
11:00 AM	03:09	03:22	03:19	03:08		03:07	03:10	03:29	03:13	03:33	03:04	03:07
11:10 AM	03:22	03:31	03:19	03:02	03:17	03:19	03:24	03:38	03:23	03:35	02:58	03:13
11:20 AM	03:06	03:32	03:11	03:08	03:17	03:19	03:33	03:01	03:09	03:29	03:05	03:26

ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:00	03:52	03:19	03:32	03:18	03:23	03:41	03:09	03:05	03:35	03:42	03:22
11:40 AM	03:07	03:53	03:12	03:37	03:10	03:15	03:31	03:53	03:18	03:25	03:27	03:58
11:50 AM	03:16	03:48	03:28	03:33	03:11	03:14	03:20	03:53	03:29	03:37	03:23	03:43
12:00 PM	03:36	03:26	03:41	03:42	03:25	03:37	03:31	03:50	03:29	04:01	03:34	03:39
12:10 PM	03:40	03:48	03:55	03:29	03:16	03:32	03:33	03:28	03:30	03:59	03:39	03:34
12:20 PM	03:43	03:31	04:07	03:21	03:34	03:28	03:33	03:44	03:25	03:41	03:30	03:34
12:30 PM	03:35	03:08	04:08	03:31	04:12	03:30	03:13	03:30	03:18	03:34	03:33	03:29
12:40 PM	03:54	03:25	04:04	03:18	03:40	03:21	03:45	03:16	03:09	03:42	04:02	03:20
12:50 PM	03:33	03:20	03:33	03:23	03:27	03:31	03:29	03:30	03:22	03:37	04:12	03:28
1:00 PM	04:03	03:10	03:20	03:17	03:29	03:36	03:12	03:40	03:26	03:14	03:42	03:24
1:10 PM	03:43	03:09	03:23	03:12	03:31	03:39	03:26	03:28	03:03	03:19	03:13	03:24
1:20 PM	03:24	03:25	03:17	03:20	03:31	03:38	03:24	03:30	02:50	03:18	03:35	03:18
1:30 PM	03:22	03:21	03:05	03:14	03:27	03:21	03:16	03:41	03:08	03:46	03:28	03:30
1:40 PM	03:31	03:17	03:24	03:09	03:39	03:30	03:01	03:40	03:01	03:20	03:16	03:23
1:50 PM	03:22	03:23	03:20	03:14	03:34	03:29	03:28	03:26	02:55	03:29	03:31	03:06
2:00 PM	03:13	03:22	03:16	03:19	03:34	03:33	03:24	03:14	02:56	03:22	03:37	02:58
2:10 PM	03:32	03:19	03:22	03:22	03:44	03:33	03:14	03:26	03:00	03:26	03:26	03:03
2:20 PM	03:45	03:40	03:22	03:14	03:17	03:29	03:14	03:27	02:59	03:25	03:41	02:58
2:30 PM	03:16	03:21	03:29	03:25	03:06	03:30	03:46	03:23	03:03	03:21	03:53	03:00
2:40 PM	03:19	03:36	03:33	03:29	03:11	03:17	03:13	03:27	03:05	03:28	03:33	03:11
2:50 PM	03:13	03:46	03:33	03:28	03:23	03:29	03:31	03:14	02:56	03:33	03:40	02:58
3:00 PM	03:04	03:39	03:20	03:21	03:24	03:32	03:35	03:15	02:51	03:32	03:36	03:01
3:10 PM	03:03	04:34	03:06	03:19	03:32	03:12	03:42	03:26	03:05	03:38	03:08	03:23
3:20 PM	03:00	03:30	03:12	03:41	03:58	03:12	03:29	03:22	03:10	03:30	03:24	03:31
3:30 PM	03:12	03:10	03:16	03:28	03:27	03:12	03:21	03:22	03:13	03:17	03:29	03:26
3:40 PM	03:20	03:15	03:13	03:22	03:32	03:42	03:12	03:56	03:20	03:01	03:24	03:52
3:50 PM	03:14	03:15	03:17	03:17	03:31	03:25	03:37	03:42	03:12	03:00	03:20	03:12
4:00 PM	03:02	03:58	03:16	03:26	04:05	03:27	03:30	03:37	02:56	03:03	03:28	03:34
4:10 PM	03:27	03:42	03:36	03:14	03:31	04:10	03:27	03:42	03:06	03:15	03:18	03:24
4:20 PM	03:46	03:24	03:14	03:32	03:10	03:25	03:29	03:33	03:21	03:22	03:28	03:26
4:30 PM	03:19	03:24	03:14	03:39	03:31	03:57	03:55	03:21	03:20	03:39	04:01	03:19
4:40 PM	03:24	03:03	03:34	03:28	03:43	03:40	03:33	03:35	03:05	03:49	03:45	03:29
4:41 PM	03:23						03:28	03:46	03:20	03:52	03:47	03:35
4:50 PM	03:31	03:38	03:28	03:46	03:34	03:33	03:41	03:33	03:25	04:01	03:42	03:51
5:00 PM	03:13	03:39	03:21	03:23	03:34	03:35	03:22	03:27	03:17	03:34	04:17	03:45
5:10 PM	03:38	03:29	03:35	03:34	03:55	03:51	03:52	03:36	03:10	03:49	04:08	03:29
5:20 PM	03:56	03:39	04:06	04:11	04:15	04:20	03:50	03:28	03:09	03:57	03:59	03:36
5:30 PM	04:00	03:29	03:49	04:22	04:03	03:41	03:59	03:40	03:04	03:36	04:26	03:25
5:40 PM	03:41	03:49	03:49	03:56	04:22	03:59	03:55	04:03	03:00	03:46	03:56	03:38
5:50 PM	03:49	03:47	03:51	03:37	03:30	03:54	03:46	03:37	03:07	03:43	03:43	03:42
6:00 PM	03:35	03:48	03:34	03:27	03:47	03:45	03:47	03:40	03:15	03:49	03:46	03:23
6:10 PM	03:48	03:19	03:35	03:44	03:34	03:52	03:52	03:34	03:01	03:31	03:26	04:01

ROUTE	Pacific Heights Blvd NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	03:46	03:27	03:54	03:27	03:51	03:51	03:35	03:29	03:27	04:02	03:23	03:56
6:30 PM	04:01	03:26	03:51	03:22	03:25	03:19	03:26	03:31	03:14	03:59	03:27	03:54
6:40 PM	03:51	03:25	03:37	03:53	03:34	03:28	03:05	03:19	03:13	04:16	03:16	03:43
6:50 PM	03:42	03:31	03:20	03:34	03:30	03:19	03:12	03:20	03:27	04:02	03:18	03:32
7:00 PM	03:34	03:27	03:08	03:26	03:29	03:20	03:24	03:19	03:22	03:50	03:24	03:29
7:10 PM	03:49	03:23	03:10	03:18	03:23	03:18	03:30	03:20	03:20	03:46	03:23	03:18
7:20 PM	03:46	03:20	03:07	03:14	03:30	03:22	03:27	03:21	03:22	03:25	03:17	03:22
7:30 PM	03:26	03:18	03:01	03:18	03:33	03:24	03:14	03:18	03:17	03:12	03:26	03:22
7:40 PM	03:43	03:17	02:58	03:16	03:32	03:23	03:08	03:21	03:19	03:15	03:16	03:25
7:50 PM	03:32	03:19	03:04	03:18	03:29	03:15	02:59	03:16	03:13	03:15	03:08	03:23
8:00 PM	03:25	03:10	03:09	03:26	03:17	03:14	03:00	03:34	03:20	03:16	03:28	03:15
8:10 PM	03:35	03:05	02:59	03:32	03:15	03:07	02:53	03:35	03:20	03:27	03:10	03:10
8:20 PM	03:37	03:14	03:01	03:38	02:57	03:16	02:56	03:20	03:13	03:25	03:03	03:08
8:30 PM	03:30	03:12	02:58	03:11	03:02	03:12	03:04	03:34	04:06	03:15	03:02	03:10
8:40 PM	03:06	03:17	02:52	03:08	02:56	02:58						
8:50 PM	03:19	03:02	02:51	03:05	02:56	02:55						

Traction Probe Data Heatmap

ROUTE Pacific Heights Blvd SB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:40	02:43	02:39	02:52	02:47	02:44	02:33	02:42	02:53	02:45	02:40
5:20 AM		02:40	02:42	02:42	02:48	02:47	02:41	02:36	02:42	02:51	02:46	02:41
5:30 AM		02:40	02:46	02:39	03:07	02:49	02:42	02:46	02:42	03:11	02:49	02:42
5:40 AM		02:42	03:00	02:42	03:10	02:56	02:44	03:02	02:43	03:12	02:55	02:42
5:50 AM		02:43	02:50	02:42	03:09	02:55	02:44	03:00	02:42	03:09	02:56	02:43
6:00 AM		02:47	03:18	02:55	03:34	02:53	02:49	03:31	03:03	03:29	03:13	02:46
6:10 AM		03:04	03:41	03:02	03:42	02:55	03:05	03:49	03:08	03:44	02:52	02:58
6:20 AM		03:05	03:41	03:03	03:45	02:56	03:02	04:13	03:04	03:44	02:58	02:59
6:30 AM		03:02	03:36	02:58	04:13	02:56	03:05	03:57	02:59	04:07	03:10	03:02
6:40 AM		02:58	03:44	03:20	03:45	03:12	03:04	03:43	03:17	03:41	03:03	02:59
6:50 AM		02:59	03:45	03:31	03:48	03:15	03:07	03:39	03:20	03:38	03:09	03:08
7:00 AM		03:04	03:01	03:23	03:47	03:18	03:20	03:08	03:30	03:40	03:09	03:18
7:10 AM		03:10	03:04	03:25	03:23	03:23	03:19	02:55	03:37	03:24	03:14	03:05
7:20 AM		03:16	03:09	03:21	03:19	03:14	03:11	02:57	03:18	03:30	03:13	03:01
7:30 AM		03:06	03:01	03:19	03:12	03:14	03:08	02:56	03:13	03:22	03:16	03:01
7:40 AM		03:11	03:05	03:17	03:11	03:00	03:13	03:11	03:06	03:21	03:24	03:07
7:50 AM		03:13	03:08	03:17	03:04	03:28	03:09	03:15	03:12	03:31	03:16	03:18
8:00 AM		03:21	03:21	03:27	03:21	03:16	03:11	03:24	03:17	03:25	03:20	03:16
8:10 AM		03:45	03:13	03:40	03:26	03:08	03:05	03:19	03:14	03:45	03:33	03:25
8:20 AM		03:46	03:05	03:27	03:28	03:20	03:06	03:16	03:09	03:49	03:41	03:13
8:30 AM		03:40	03:08	03:20	03:29	03:21	03:23	04:02	02:58	04:03	03:27	03:19
8:40 AM		03:43	03:12	03:13	03:26	03:19	03:47	03:26	03:04	03:36	03:37	03:30
8:50 AM		03:42	03:13	02:59	03:17	03:14	03:39	03:21	03:10	03:35	03:19	03:33
9:00 AM		03:22	03:19	03:10	03:17	03:13	03:38	03:17	03:14	03:12	03:25	03:16
9:10 AM		03:19	03:35	03:16	03:39	03:23	03:34	03:28	03:10	03:27	03:28	03:48
9:20 AM		03:11	03:20	03:38	03:51	03:36	03:26	03:29	03:14	03:32	03:24	03:29
9:30 AM		03:12	03:16	03:34	03:31	03:39	03:16	03:11	03:21	03:34	03:26	03:14
9:40 AM		03:02	03:18	03:38	03:30	04:00	03:36	03:19	03:34	03:25	03:18	03:48
9:50 AM		03:17	03:32	03:33	03:51	03:46	03:42	03:10	03:26	03:04	03:04	03:39
10:00 AM		03:15	03:09	03:21	03:17	03:39	03:34	03:14	03:29	03:19	03:03	03:27
10:10 AM		03:19	03:00	03:14	03:16	03:33	03:19	03:43	03:10	03:16	03:33	03:24
10:20 AM		03:12	03:35	03:15	03:22	03:35	03:21	03:33	03:35	03:05	03:17	03:14
10:21 AM								03:33				
10:30 AM		03:30	03:25	03:30	03:01	03:20	03:11	03:21	03:16	03:15	03:05	03:19
10:40 AM		03:10	03:18	03:30	03:12	03:06	02:59	03:25	03:29	03:12	02:57	03:14
10:50 AM		02:58	03:18	03:12	03:21	03:14	03:30	03:21	03:27	03:16	02:53	03:10
11:00 AM		02:55	03:16	03:32	03:09	03:28	03:03	03:07	03:15	03:07	03:01	03:01
11:10 AM		02:58	03:15	03:20	03:03	03:16	03:06	03:10		02:56	02:58	03:06
11:20 AM		03:08	03:25	03:10	03:06	02:57	03:05	03:06	02:58	02:53	02:48	03:13



ROUTE	Pacific Heights Blvd SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		02:56	02:56	03:08	03:25	02:51	03:03	03:06	03:03	03:06	03:00	03:12
11:40 AM		03:02	02:54	03:07	03:24	02:53	03:18	02:50	03:23	02:53	03:13	03:05
11:50 AM		03:06	03:05	03:06	03:21	03:11	03:17	02:54	03:13	03:00	03:25	03:36
12:00 PM		03:07	03:09	03:04	03:21	03:27	03:08	03:23	03:31	03:11	03:08	03:51
12:10 PM		03:11	03:19	03:09	03:31	03:12	03:27	03:10	03:31	03:16	03:20	03:30
12:20 PM		03:24	03:25	03:19	03:41	03:14	03:18	03:35	04:00	03:28	03:14	03:09
12:30 PM		03:23	03:11	03:07	03:23	03:07	03:29	03:52	03:27	03:15	03:58	03:26
12:40 PM		03:12	03:21	03:09	02:59	03:20	03:40	03:28	03:33	03:22	03:39	03:26
12:50 PM		03:23	03:19	03:20	03:29	03:21	03:11	03:36	03:50	03:19	03:48	03:16
1:00 PM		03:16	03:17	03:18	03:27	03:20	03:12	03:22	03:36	03:07	03:30	03:22
1:10 PM	03:25	03:26	03:18	03:19	03:13	02:58	03:10	03:30	03:46	03:21	03:16	03:21
1:20 PM	03:58	03:05	03:16	03:09	03:15	03:15	03:13	03:36	03:19	03:19		03:19
1:30 PM	03:04	03:25	03:14	03:17	03:05	03:30	03:30	03:56	03:36	03:26	03:13	03:18
1:40 PM	03:11	03:27	03:17	03:12	03:36	03:45	03:33	03:20	03:35	03:07	03:21	03:26
1:50 PM	03:10	03:23	03:09	03:24	03:26	03:31	03:31	03:17	03:26	03:17	03:20	03:28
2:00 PM	03:16	03:10	03:21	03:13	03:23	03:26	03:18	03:16	03:24	03:10	03:16	03:21
2:10 PM	03:05	02:56	03:21	03:20	03:01	03:04	03:00	03:15	03:13	03:02	03:11	03:22
2:20 PM	03:17	03:15	02:53	03:32	02:48	03:15	02:54	03:09	03:14	02:56	03:03	03:28
2:30 PM	03:06	03:18	02:50	03:08	03:01	03:04	03:15	03:24	03:06	02:48	03:06	03:24
2:40 PM	03:24	03:05	02:52	03:14	03:06	02:56	03:23	03:15	03:27	03:05	02:51	03:16
2:50 PM	03:07	03:03	02:51	03:10	03:16	04:11	03:22	03:06	03:17	03:08	03:03	03:14
3:00 PM	02:57	03:04	03:10	03:07	02:54	02:55	03:05	03:16	03:37	03:08	03:05	03:00
3:10 PM	03:03	02:56	03:07	03:15	03:16	03:08	02:57	03:25	03:29	03:15	03:06	02:51
3:20 PM	03:03	02:49	02:52	02:54	02:59	03:02	03:14	03:13	03:30	03:13	03:10	03:01
3:30 PM	02:58	02:58	02:56	02:57	03:07	03:01	03:08	03:04	03:10	03:11	02:45	03:00
3:40 PM	03:05	03:02	03:13	03:04	03:25	03:03	03:07	03:09	03:22	03:45	02:54	02:58
3:50 PM	03:12	03:08	03:02	03:17	03:04	03:25	02:54	03:31	03:15	02:53	02:53	03:10
4:00 PM	03:03	03:00	03:11	03:16	03:14	03:00	03:01	03:28	03:04	02:59	03:04	03:14
4:10 PM	03:15	02:57	03:21	03:11	03:19	03:12	03:04	03:10	03:29	02:58	03:01	02:58
4:20 PM	03:03	03:03	03:17	03:19	03:56	03:14	03:11	03:19	04:32	03:13	03:23	03:19
4:30 PM	02:55	03:06	03:07	03:24	03:18	03:11	03:07	03:18	03:43	02:54	03:19	03:11
4:40 PM	02:55	02:56	03:00	03:19	03:45	02:53	03:18	03:06	03:36	02:50	03:23	03:03
4:41 PM												
4:50 PM	02:56	03:01	03:43	03:20	03:15	03:05	03:10	02:56	04:30	03:14	03:11	03:03
5:00 PM	02:56	03:13	02:58	03:13	03:23	03:07	03:33	02:59	04:27	03:11	03:01	03:13
5:10 PM	03:02	03:37	03:32	03:57	03:14	03:11	03:35	03:23	04:36	03:01	03:23	03:26
5:20 PM	03:02	03:38	03:20	03:41	03:26	03:36	03:36	03:12	05:03	03:17	03:53	03:37
5:30 PM	03:10	03:33	03:27	03:34	03:22	03:30	03:25	03:11	05:15	03:20	03:28	03:32
5:40 PM	03:05	03:50	03:12	03:32	04:23	02:55	03:28	03:16	05:03	03:09	03:15	03:30
5:50 PM	03:14	03:26	03:10	03:08	03:14	03:16	03:07	03:11	05:45	02:59	03:06	03:35
6:00 PM	03:13	03:33	03:08	02:59	03:04	03:22	03:26	03:07	04:20	03:08	03:07	03:23
6:10 PM	03:03	04:02	03:13	03:07	02:49	03:06	03:15	03:13	04:21	02:59	03:27	03:11

ROUTE	Pacific Heights Blvd SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	03:09	03:20	03:16	03:01	03:06	03:06	03:17	03:11	04:17	03:04	03:20	03:34
6:30 PM	03:08	03:33	03:23	03:02	03:11	03:10	03:05	03:10	03:14	02:51	03:28	03:05
6:40 PM	02:54	03:09	03:30	03:13	03:02	03:09	03:05	03:07	03:10	02:45	03:10	03:09
6:50 PM	03:18	03:01	03:29	03:08	02:52	02:56	03:03	03:02	03:06	02:47	02:56	02:57
7:00 PM	03:08	03:15	02:53	02:50	03:08	02:57	02:48	02:55	02:54	02:42	02:53	03:02
7:10 PM	02:50	02:59	02:44	02:48	02:40	03:11	02:57	02:57	03:21	02:48	03:03	03:12
7:20 PM	03:05	03:00	02:50	03:04	02:48	03:02	03:03	03:00	03:15	02:43	02:52	03:01
7:30 PM	03:03	03:03	03:14	03:09	02:57	03:10	03:05	02:51	03:06	02:54	02:58	03:01
7:40 PM	02:47	02:52	03:05	03:08	02:56	02:53	03:07	02:50	03:00	02:51	02:58	03:00
7:50 PM	02:53	02:48	03:02	03:02	02:51	02:55	02:58	02:40	02:51	03:02	03:03	03:04
8:00 PM	02:46	02:52	03:12	03:04	02:44	02:47	02:56	02:51	02:49	02:49	03:03	03:07
8:10 PM	02:43	02:47	03:20	02:44	02:53	02:44	02:35	02:54	02:52	02:53	03:00	02:51
8:20 PM	02:46	02:45	03:15	02:35	02:40	02:39	02:32	03:07	02:49	02:51	03:01	02:52
8:30 PM	02:53	02:47	03:14	02:31	02:38	02:35	02:31	03:02	03:07	02:51	02:48	02:45
8:40 PM	02:57	02:45	02:46	02:24	02:35	02:31	02:33	02:54	02:57	02:51	02:52	02:45
8:50 PM	02:59	02:38	02:47	02:25	02:39	02:33	02:37	02:52	03:00	02:40	03:03	02:52

Traction Probe Data Heatmap												
ROUTE	Pacific Heights Blvd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:32	02:43	02:51	02:49	02:40	02:38	02:43	02:53	02:44	02:43	02:38	02:43
5:20 AM	02:31	02:43	02:50	02:52	02:41	02:35	02:43	02:52	02:45	02:45	02:38	02:42
5:30 AM	02:42	02:43	03:08	02:49	02:43	02:36	02:41	03:07	02:48	02:43	02:39	02:45
5:40 AM	02:57	02:45	03:04	02:58	02:44	02:44	02:45	03:19	02:55	02:43	03:01	02:46
5:50 AM	02:55	02:45	03:03	02:56	02:42	02:43	02:45	03:17	02:54	02:47	03:02	02:48
6:00 AM	03:28	03:05	03:26	02:55	02:44	03:09	03:20	03:38	02:57	02:50	03:29	02:58
6:10 AM	03:49	03:13	03:28	04:41	02:57	03:15	03:23	03:37	03:00	03:03	03:27	02:50
6:20 AM	03:45	03:15	03:32	04:20	03:00	03:40	03:23	03:39	03:02	03:05	03:23	02:56
6:30 AM		03:03	04:02	04:08	03:15	03:14	03:13	03:48	03:09	02:57	03:15	02:58
6:40 AM	03:42	03:32	03:38	03:33	03:01	03:40	03:20	03:28	03:22	02:58	03:25	03:12
6:50 AM	03:46	03:44	03:51	03:26	03:06	03:42	03:09	03:45	03:20	03:17	03:25	03:14
7:00 AM	03:07	03:08	03:43	03:15	03:04	03:12		03:26	03:36	03:07	02:55	03:20
7:10 AM	02:59	03:17	03:30	03:25	03:11	03:14	03:20	03:14	03:22	03:15	02:57	03:23
7:20 AM	03:06	03:42	03:23	03:11	03:08	03:20	03:29	03:07	03:22	03:26	02:52	03:24
7:30 AM	03:08	03:07	03:20	03:00	03:08	03:17	03:16	02:58	03:22	03:18	03:02	03:16
7:40 AM	03:09	03:05	03:19	03:23	03:07	03:20	03:17	03:01	03:29	03:15	03:03	03:16
7:50 AM	03:06	03:10	03:20	03:24	03:25	03:09	03:19	03:19	03:24	03:10	03:07	03:23
8:00 AM	03:20	03:02	03:30	03:43	03:07	03:22		03:29	03:34	03:16	03:35	03:19
8:10 AM	03:33	03:03	03:34	03:49	03:27	03:25	03:27	03:32	03:29	03:22	03:40	03:27
8:20 AM	03:58	03:06	03:33	03:39	03:26	03:43	03:12	03:52	03:36	03:19	03:21	03:15
8:30 AM	03:52	03:11	03:26	03:39	03:44	03:37		03:52	03:31	03:21	03:34	03:19
8:40 AM	03:25		03:24	03:39	03:49	03:21	03:09	03:32	03:24	03:32	03:27	03:13
8:50 AM	03:43	03:09	03:11	03:28	03:35	03:18	03:14	03:44	03:19	03:31	03:08	03:08
9:00 AM	03:23	03:18		03:32	03:17	03:17	03:33	03:50	03:19	03:25	03:09	03:26
9:10 AM	03:13	03:07	03:13	03:21	03:08	03:22	04:06	03:40	03:21	03:32	03:08	03:32
9:20 AM	03:17	03:13	03:22	03:08	03:13	03:26	03:51	03:28	03:19	03:29	03:02	03:38
9:30 AM	03:27	03:17	03:27	03:34	03:40	03:21	03:47	03:36	03:29	03:24	03:09	03:34
9:40 AM	03:17	03:16	03:21	03:29	03:25	03:14	04:06	03:34	03:16	03:21	03:16	03:18
9:50 AM	03:14	03:19	03:23	03:38	03:20	03:24	03:47	03:49	03:19	03:11	03:22	03:16
10:00 AM	03:23	03:07	03:40	03:37	03:26	03:13	03:54	03:31	03:30	03:26	03:28	03:27
10:10 AM	03:35	02:57	03:47	03:43	03:23	03:21	03:20	03:11	03:24	03:26	03:12	03:12
10:20 AM	03:41	03:06	03:31	03:26	03:08	03:09	03:07	02:59	03:10	03:22	03:25	03:11
10:21 AM							03:01	03:01	03:09	03:36	03:19	03:21
10:30 AM	03:15	03:09	03:15	03:54	03:39	02:59	03:06	03:07	03:08	03:23	03:23	03:19
10:40 AM	03:17	03:10	03:18	03:29	03:16	03:16	03:02	03:23	03:12	03:32	03:12	02:59
10:50 AM	03:02	03:08	03:25	02:58	03:09	02:58	02:59	03:05	03:13	03:21	03:05	03:11
11:00 AM	03:05	02:55	03:10	02:54		03:30	03:11	03:15	03:18	03:21	03:07	03:03
11:10 AM	02:55	03:35	03:12	03:02	03:04	03:21	03:30	03:02	03:09	03:11	03:13	03:07
11:20 AM	03:15	03:37	03:20	03:09	03:02	03:07	03:19	03:13	03:12	03:08	03:10	03:15



ROUTE	Pacific Heights Blvd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:08	03:10	03:30	02:59	03:03	03:01	03:06	03:09	03:13	03:13	03:22	03:24
11:40 AM	03:01	03:05	03:45	03:11	03:16	03:11	03:08	03:27	03:18	03:23	03:32	03:25
11:50 AM	03:00	03:12	03:14	03:27	03:20	03:07	03:54	03:29	03:26	03:28	03:08	
12:00 PM	03:05		03:25	03:28	03:39	03:32	03:39	03:34	03:09	03:11	03:31	03:20
12:10 PM	03:34	03:08	03:21	03:25	03:11	03:13	03:17	03:26	03:13	03:19	03:41	03:22
12:20 PM	03:47	03:11	03:20	03:56	03:11	03:21	03:41	03:28	03:42	03:18	03:23	03:07
12:30 PM	03:29	03:20	03:10	03:25	03:07	03:14	03:20	03:04	03:36	03:27	03:32	03:26
12:40 PM	03:19	03:31	03:32	03:22	03:30	03:10	03:24	03:13	03:37	03:20	03:38	03:19
12:50 PM	03:23	03:14	03:22	03:19	03:17	03:11	03:25	03:13	03:33	03:24	03:26	03:22
1:00 PM	03:33	03:25	03:32	03:23	03:15	03:27	03:30	03:43	03:37	03:23	03:35	03:11
1:10 PM	03:15	03:36	03:34	03:18	03:29	03:15	03:33	03:25	03:34	03:26	03:32	03:11
1:20 PM	03:14	03:26	03:17	04:18	03:09	03:10	03:19	03:33	03:25	03:31	03:39	02:59
1:30 PM	03:25	03:14	03:12	04:59	03:15	03:40	03:30	03:31	03:40	03:27	04:02	03:28
1:40 PM	03:14	03:16	03:20	03:50	03:19	03:11	03:09	03:40	03:39	03:02	03:41	03:05
1:50 PM	03:30	03:23	03:23	04:13	03:12	03:42	03:20	03:50	03:20	03:07	03:16	03:15
2:00 PM	03:17	03:13	03:06	04:12	03:02	03:14	03:06	03:46	03:19	03:19	03:14	03:32
2:10 PM	03:06	03:36	03:05	04:01	02:55	03:03	03:05	03:20	03:15	03:11	03:05	03:24
2:20 PM	03:14	02:58	03:11	03:09	03:08	03:05	03:20	03:34	03:01	03:09	03:11	03:16
2:30 PM	03:32	02:49	03:10	03:01	03:15	03:05	03:35	03:12	03:01	03:10	03:14	03:20
2:40 PM	03:02	03:02	03:07	02:53	03:29	03:16	03:16	03:04	02:56	03:11	02:58	03:19
2:50 PM	03:01	03:10	03:09	03:02	03:27	03:47	03:11	03:02	02:57	02:56	03:19	03:13
3:00 PM	02:47	02:51		03:12	03:10	03:08	03:15	02:58	02:58	03:08	03:04	03:05
3:10 PM	03:05	02:59	03:00	03:01	02:54	03:03	03:08	03:09	03:02	03:10	03:23	03:14
3:20 PM	03:00	03:09	03:16	03:05	03:13	03:19	03:05	03:08	03:05	02:55	03:24	03:04
3:30 PM	03:00	03:08	03:00	02:54	03:06	03:03	03:13	03:27	03:00	02:54	03:07	03:07
3:40 PM	02:57	03:02	03:02	03:17	03:33	03:26	03:06	02:52	03:03	02:57	03:08	03:00
3:50 PM	03:01	03:16	02:57	03:08	03:19	03:38	03:06	02:51	02:53	03:03	03:19	03:19
4:00 PM	03:11	02:49	02:53	03:15	03:35	03:10	03:23	03:02	02:53	03:12	03:21	03:05
4:10 PM	03:18	03:11	03:23	03:14	03:17	03:20	03:26	02:57	03:10	03:08	03:14	03:19
4:20 PM	03:26	03:29	03:18	03:30	03:28	03:47	03:07	02:52	03:06	03:15	03:24	03:08
4:30 PM	03:04	03:25	03:11	03:23	03:07	03:29	03:09	03:20	03:02	03:21	03:48	03:19
4:40 PM	03:17	03:20	03:38	03:13	02:58	03:25	03:49	03:10	03:02	03:21	03:43	03:20
4:41 PM	03:21						03:32	03:08	03:00	03:03	03:23	03:10
4:50 PM	02:58	03:25	03:04	03:22	03:21	03:52	03:31	03:01	02:51	03:56	03:50	03:32
5:00 PM	03:14	03:28	03:13	03:10	03:09	03:47	03:45	03:27	03:09	03:35	04:11	03:37
5:10 PM	03:16	04:35	03:08	03:52	03:15	04:14	03:18	03:05	03:07	03:32	04:08	03:05
5:20 PM	03:36	03:23	03:26	03:37	03:44	04:28	03:22	02:59	03:00	03:32	03:35	03:17
5:30 PM	03:19	03:26	03:11	03:29	03:18	03:51	03:09	03:12	02:52	03:28	03:36	03:19
5:40 PM	03:21	03:08	03:16	03:29	03:27	03:33	03:04	03:03	03:02	03:13	03:26	03:21
5:50 PM	03:31	03:24	03:01	03:16	03:08	03:50	03:10	03:07	03:07	03:10	03:02	03:04
6:00 PM	03:28	03:34	03:05	03:46	02:58	03:55	03:18	03:18	03:18	02:55	03:26	03:25
6:10 PM	03:19	03:23	03:17	03:09	03:08	04:09	03:10	03:03	03:14	03:09	03:20	03:26

ROUTE	Pacific Heights Blvd SB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	03:15	03:15	03:22	03:05	03:31	03:20	02:57	02:56	03:16	03:07	03:10	02:56
6:30 PM	03:10	03:19	02:59	03:07	03:31	03:17	02:49	02:59	03:08	03:14	03:16	02:46
6:40 PM	03:13	03:07	03:05	03:11	03:21	03:47	03:06	02:59	03:05	02:57	03:01	03:03
6:50 PM	03:17	02:53	03:08	03:07	02:57	03:26	03:24	02:53	03:08	03:08	02:56	02:45
7:00 PM	02:47	03:02	02:52	02:55	03:10	03:19	03:07	02:47	03:23	02:55	02:54	02:55
7:10 PM	02:44	02:44	02:55	02:56	02:57	03:20	02:52	02:43	03:06	03:00	02:45	02:59
7:20 PM	02:52	02:45	03:04	02:55	02:50	03:03	02:35	02:50	03:04	02:53	02:50	02:50
7:30 PM	02:56	02:51	03:08	02:43	02:51	03:25	02:39	02:51	02:51	02:48	02:49	02:51
7:40 PM	02:50	02:51	03:05	02:49	02:49	02:56	02:48	02:48	02:51	02:58	02:51	02:51
7:50 PM	02:55	02:50	03:17	02:47	02:41	03:11	02:40	02:55	02:59	02:49	02:54	02:51
8:00 PM	02:42	02:57	02:58	02:45	02:47	02:48	02:50	02:51	02:50	02:50	02:54	02:48
8:10 PM	02:48	02:46	02:43	02:35	02:33	02:53	02:39	02:45	02:49	02:36	02:50	02:49
8:20 PM	02:48	02:40	02:40	02:34	02:41	03:04	02:51	02:43	03:05	02:37	02:44	03:35
8:30 PM	02:48	02:41	02:41	02:34	02:54	02:57	02:45	02:45	03:00	02:34	02:50	03:26
8:40 PM	02:37	02:47	02:41	02:36	02:45	02:45						
8:50 PM	02:43	03:03	02:46	02:32	02:44	02:40						

Traction Probe Data Heatmap

ROUTE Sorrento Valley Blvd and Calle Cristobal EB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		08:42	07:55	08:12	08:33	08:36	08:17	09:07	08:07	08:14	08:25	08:17
5:20 AM		08:20	08:02	08:25	08:14	08:21	07:59	09:08	08:20	08:33	08:06	07:55
5:30 AM		08:18	08:07	08:27	08:08	08:12		09:13	08:21	08:41	08:07	07:48
5:40 AM		08:44	09:29	08:20	07:56	09:28	08:12	10:05	08:19	08:18	09:14	07:59
5:50 AM		08:49	09:00	08:22	08:06	09:21	08:45	09:21	08:20	08:52	09:11	08:14
6:00 AM		08:54	09:10	08:21	08:06	09:37	08:33	09:17	08:25	08:52	09:17	08:17
6:10 AM		08:56	09:39	08:09	08:28	09:35	08:39	09:10	08:26	09:18	09:27	08:14
6:20 AM		08:39	09:09	08:08	08:27	08:48	08:18	08:41	08:16	09:16	08:42	08:03
6:30 AM		08:21	08:51	08:04	08:27	08:33	08:16	08:51	08:19	09:23	08:37	
6:40 AM		08:08	08:34	08:06	08:23	08:23	08:17	08:39	08:16	09:15	08:11	08:21
6:50 AM		08:09	08:13	08:11	08:18	07:59	08:10	08:17	09:08	08:44	08:10	08:19
7:00 AM		08:12	08:24	07:50	08:03	08:05	08:02	08:30	09:11	08:23	08:31	08:25
7:10 AM		08:17	08:34	08:13	08:35	08:22	08:04	08:25	08:20	08:24	08:51	08:28
7:20 AM		08:35	08:33	07:59	08:43	08:32	08:17	08:16	08:23	08:12	08:30	08:49
7:30 AM		08:32	08:20	07:58	08:14	08:18	08:22	08:06	08:24	08:19	08:19	08:49
7:40 AM		08:25	08:51	08:59	08:53	08:36	08:42	08:36	08:16	08:44	08:33	08:54
7:50 AM		08:43	08:59	08:33	08:37	08:58	08:25	08:49	09:38	08:32	09:24	08:43
8:00 AM		09:01	09:14	08:34	08:33	08:56	08:38	08:25	08:39	08:27	09:24	08:53
8:10 AM		08:51	08:46	08:53	08:19	09:08	08:46	08:32	08:28	08:27	09:09	08:56
8:20 AM		08:56	09:05	08:52	08:41	09:08	08:55	09:11	08:25	08:35	09:12	08:43
8:30 AM		08:55	08:38	09:00	08:31	08:57	08:57	09:24	08:36	09:30	08:51	09:04
8:40 AM		08:44	09:21	08:53	08:29	08:47	08:47	09:16	08:37	08:53	08:38	09:04
8:50 AM		08:57	08:46	08:36	08:37	08:54	08:42	09:08	08:28	08:56	08:28	08:55
9:00 AM		08:57	09:05	09:00	08:44	09:18	08:51	08:29	08:23	08:38	08:41	08:36
9:10 AM		08:38	08:48	08:21	08:25	08:40	08:37	08:25	08:59	08:40	08:45	08:40
9:20 AM		08:44	08:38	08:22	08:33	08:17	08:45	08:20	08:47	08:28	09:05	08:28
9:30 AM		08:24	08:50	08:34	08:38	08:20	08:55	08:27	08:36	08:39	09:28	08:32
9:40 AM		08:17	08:29	08:29	08:25	08:07	08:21	08:23	08:30	08:34	08:47	08:24
9:50 AM		08:12	08:40	08:16	08:25	08:21	08:29	08:35	08:57	08:22	08:51	09:26
10:00 AM		08:30	08:17	08:16	09:15	08:33	09:04	08:15	08:22	08:22	08:31	08:19
10:10 AM		08:31	08:13	08:21	08:14	08:34	08:09	08:12	08:18	08:33	08:12	08:10
10:20 AM		08:53	08:37	09:05	08:27	08:27	08:13	08:22	08:37	08:19	08:19	08:40
10:21 AM								08:19				
10:30 AM		08:25	08:11	08:24	08:30	08:02	08:11	08:26	08:20	08:23	07:59	08:05
10:40 AM		08:19	08:03	08:13	08:30	08:04	08:17	08:35	08:25	08:30	08:09	08:54
10:50 AM		08:34	08:15	08:43	08:14	08:02	08:25	08:17	08:14	08:02	08:02	08:04
11:00 AM		08:31	08:25	08:18	08:52	08:05	08:44	08:05	08:08	08:38	07:52	08:05
11:10 AM		08:35	08:19	08:02	08:19	08:08	08:31	08:09		08:07	08:00	08:02
11:20 AM		08:03	08:09	08:06	08:07	08:28	08:03	08:33	08:08	07:58	08:02	07:43

ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:08	08:14	08:26	08:16	07:58	07:55	07:43	08:13	08:09	08:01	08:14
11:40 AM		07:48	08:24	08:09	08:18	08:06	08:00	07:58	08:03	08:11	08:16	09:30
11:50 AM		08:29	08:23	08:31	08:19	08:13	08:07	08:00	08:14	09:03	08:17	08:14
12:00 PM		08:03	08:20	08:45	08:28	08:09	08:16	07:56	08:13	08:46	08:22	08:05
12:10 PM		07:53	07:57	08:05	08:14	07:53	08:04	08:12	08:22	08:06	08:11	08:09
12:20 PM		07:56	07:48	08:04	08:10	08:25	08:23	08:01	08:26	08:27	08:36	08:11
12:30 PM		08:17	07:52	08:04	08:02	08:37	08:14	08:14	08:19	07:58	08:23	08:22
12:40 PM		08:28	07:52	08:33	08:43	08:41	09:08	08:22	08:18	08:15	08:38	08:25
12:50 PM		08:27	08:06	08:36	08:12	08:39	07:55	08:36	08:18	08:10	08:49	08:20
1:00 PM		08:21	08:04	08:21	08:17	08:29	08:18	08:11	08:25	08:01	08:08	08:08
1:10 PM	08:09	08:26	07:47	08:11	08:30	08:31	08:12	08:10	08:10	07:53	08:19	08:17
1:20 PM	08:17	08:24	08:16	08:10	07:58	08:39	08:30	08:21	08:05	08:30		08:19
1:30 PM	08:41	08:16	08:13	08:11	08:00	07:53	08:38	08:08	07:46	08:10	08:28	08:04
1:40 PM	08:53	08:13	08:20	08:22	08:19	08:17	08:23	08:17	08:12	08:08	08:31	08:38
1:50 PM	08:23	08:04	08:45	08:09	08:40	08:21	08:06	08:09	08:32	08:25	08:08	07:47
2:00 PM	07:53	08:02	07:50	08:00	08:21	07:54	08:33	08:00	08:38	08:16		08:04
2:10 PM	08:09	08:22	08:09	08:11	08:21	07:46	07:59	08:06	08:40	07:57	07:59	08:30
2:20 PM	07:59	08:04	08:08	07:58	08:11	08:46	08:15	07:48	09:22	07:54	08:21	08:01
2:30 PM	08:10	08:12	08:00	08:27	08:19	07:51	08:23	07:59	09:06	08:07	08:21	08:09
2:40 PM	08:49	08:08	08:22	08:02	08:05	08:01	08:34	07:56	08:16	08:05	08:11	08:06
2:50 PM	08:17	08:08	07:54	07:50	07:54	07:57	08:24	07:55	08:26	07:58	08:18	08:13
3:00 PM	08:03	08:18	07:59	07:59	08:28	08:14	08:25		08:40	08:01	07:55	08:32
3:10 PM	08:15	08:19	08:08	07:59	08:39	08:21	07:55	08:05	09:13	07:52	08:28	08:37
3:20 PM	07:59	07:57	08:13	08:17	08:04	08:00	08:23	08:27	08:37	08:21	08:06	08:46
3:30 PM	08:08	08:08	07:44	08:03	08:19	08:14	08:14	08:15	08:47	08:07	08:23	08:15
3:40 PM	08:12	08:37	07:54	07:40	08:02	08:33	08:04	07:52	09:02	07:52	09:19	08:00
3:50 PM	08:08	08:13	07:48	08:24	08:21	07:50	07:45	08:11	10:10	07:53	08:31	09:22
4:00 PM	08:01	08:27	07:59	07:54	07:58	07:50	07:46	08:03	09:32	08:26	08:08	09:05
4:10 PM	07:57	08:41	08:54	08:08	08:45	08:09	08:33	08:09	09:13	08:25	09:34	08:11
4:20 PM	08:20	08:03	08:58	08:17	08:30	08:38	08:44	08:12	09:39	09:04	08:16	08:30
4:30 PM	07:57	08:23	08:31	08:22	08:46	08:15	08:30	08:36	10:05	08:10	08:47	08:24
4:40 PM	08:07	08:22	08:42	09:00	08:47	08:23	08:37	08:42	11:03	08:16	08:29	08:36
4:41 PM												
4:50 PM	08:32	08:21	08:46	08:41	08:42	08:43	08:29	08:26	10:50	08:45	08:56	08:18
5:00 PM	08:13	08:22	08:42	08:24	08:49	08:43	08:15	08:33	11:55	08:00	10:23	09:14
5:10 PM	08:12	08:58	08:29	10:20	09:11	08:35	08:42	09:28	11:22	08:27	10:36	09:02
5:20 PM	08:38	08:51	09:06	09:03	09:17	08:52	08:44	09:00	11:35	08:27	10:43	09:06
5:30 PM	08:31	09:26	09:03	09:04	08:55	08:38	08:48	10:15	11:12	08:37	09:14	08:59
5:40 PM	08:49	09:55	09:31	09:09	09:02	08:49	09:17	09:10	11:03	08:29	09:28	09:15
5:50 PM	08:13	08:50	09:24	08:33	09:16	08:32	08:45	09:11	12:35	08:29	09:16	09:48
6:00 PM	08:22	08:28	09:02	09:12	08:51	08:44	09:46	08:43	11:29	08:06	08:52	08:39
6:10 PM	08:10	08:26	08:35	09:18	08:33	08:51	09:25	08:37	10:27	09:00	08:22	08:54

ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	08:04	08:31	08:24	08:26	08:21	08:18	08:17	08:32	09:33	08:07	08:50	09:01
6:30 PM	08:07	08:22	08:19	08:29	08:45	08:12	08:19	08:06	10:48	08:06	08:23	08:22
6:40 PM	07:56	08:24	08:03	08:11	08:16	08:02	08:08	08:04	09:22	08:05	08:06	08:04
6:50 PM	08:09	08:32	08:32	08:16	08:04	08:00	08:18	08:14	09:40	08:05	08:19	08:02
7:00 PM	08:20	07:48	08:17	08:16	07:44	08:12	08:17	08:10	09:26	08:02	09:18	08:18
7:10 PM	08:28	08:05	08:06	08:06	08:04	08:04	08:07	08:03	08:07	08:18	09:11	07:49
7:20 PM	08:37	07:56	08:16	08:22	08:07	07:55	07:50	08:03	07:58	08:16	08:12	07:41
7:30 PM	08:09	07:51	07:55	08:16	08:01	08:11	08:00	08:01	08:06	08:11	08:32	07:47
7:40 PM	08:22	07:57	08:16	08:08	08:15	08:00	07:41	07:57	08:26	08:01	08:37	07:46
7:50 PM	07:46	07:51	08:17	08:30	07:53	08:01	07:48	07:52	08:24	08:13	08:00	07:37
8:00 PM	07:47	08:17	08:14	08:22	08:15	08:12	07:49	08:10	08:29	08:15	08:05	07:49
8:10 PM	08:22	08:01	08:10	08:23	08:00	08:05	07:50	08:02	08:08	08:04	08:12	08:16
8:20 PM	07:55	08:04	08:13	08:02	07:58	08:13	07:59	08:36	07:59	08:04	08:18	08:01
8:30 PM	07:35	08:03	08:13	07:57	08:15	07:57	07:49	08:19	07:54	08:16	08:11	08:15
8:40 PM	07:44	08:08	08:13	07:29	08:11	08:03	07:51	08:13	08:04	08:04	08:13	08:08
8:50 PM	07:44	07:56	08:39	07:26	08:30	08:27	07:49	08:24	07:59	07:59	08:15	07:44



Traction Probe Data Heatmap												
ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	08:59	08:08	08:14	08:33	08:20	09:01	08:09	08:17	08:31	08:45	09:17	09:09
5:20 AM	09:01	08:22	08:34	08:17	07:56	09:23	08:21	08:50	08:12	08:42	09:24	08:37
5:30 AM	09:09	08:24	08:43	08:03	07:49	09:35	08:25	08:57	08:12	08:12	09:27	08:40
5:40 AM	09:52	08:21	08:19	08:15	08:16	10:19	08:19	08:35	08:55	09:12	10:19	08:31
5:50 AM	08:48	08:19	08:39	08:40	08:39	09:10	08:20	08:32	09:04	08:22	09:24	08:44
6:00 AM	08:44			08:37	08:40	09:08	08:28	08:30	08:53	08:18	09:19	09:25
6:10 AM	08:46	08:01	08:45	09:08	09:04	08:51	08:22	08:38	08:48	08:24	09:19	08:16
6:20 AM	08:30	08:09	09:07	08:39	08:42	08:27	08:25	08:41	08:28	08:03	08:47	08:13
6:30 AM		07:56	08:40	09:00	08:40	08:26	09:05	08:24	08:23	08:01	08:33	08:12
6:40 AM	08:18	08:08	08:15	08:19	08:13	08:11	08:18	08:28	08:07	07:59	08:29	08:15
6:50 AM	07:50	07:51	08:27	08:09	08:15	07:54	08:30	08:27	08:17	07:58	08:02	08:27
7:00 AM	08:02	08:04	08:08	08:01	08:14	08:14	08:28	09:06	07:54	08:05	08:12	08:27
7:10 AM	08:40	08:37	08:21	08:24	08:38	08:13	08:46	08:26	08:08	08:32	08:04	08:35
7:20 AM	08:25	08:24	08:42	09:31	08:32	08:15	08:48	08:28	08:00	08:25	08:16	08:13
7:30 AM	08:25	08:27	08:19	08:22	08:17	08:14	08:54	08:29	08:09	08:29	08:33	08:23
7:40 AM	08:39	08:59	08:19	08:33	08:11	08:34	08:54	08:47	08:08	08:17	08:38	09:24
7:50 AM	09:10	08:40	08:35	08:29	08:56	08:17	08:48	09:20	08:14	08:44	08:49	08:33
8:00 AM	09:01	08:43	08:52	08:38	09:03	08:32	09:09	09:09	08:45	08:55	08:22	08:56
8:10 AM	08:58	09:22	08:32	08:58	09:02	09:32	09:29	09:08	09:06	08:48	08:33	08:34
8:20 AM	08:50	09:02	08:52	09:03	08:56	08:37	09:09	09:05	08:43	08:44	08:48	08:35
8:30 AM	09:13	08:47		09:35	08:56	08:44	09:16	08:56	08:38	09:58	08:53	08:20
8:40 AM	09:05		09:00	09:08	08:33	09:13	08:52	08:49	08:36	08:33	08:24	07:59
8:50 AM	08:42	08:31	08:56	09:27	08:17	08:51	09:01	08:53	08:27	08:32	08:38	08:18
9:00 AM	08:25	08:50	08:32	08:57	08:57	08:36	09:10	08:46	08:33	08:39	08:31	09:13
9:10 AM	08:24	08:54	08:26	08:28	08:19	08:30	09:10	08:47	08:40	08:31	09:12	08:17
9:20 AM	09:44	08:37	08:26	08:34	08:31	08:36	09:26	08:40	08:18	08:17	08:37	08:28
9:30 AM	08:13	08:27	08:30	08:32	08:23	09:02	09:20	08:16	08:17	08:37	08:40	08:42
9:40 AM	08:15	08:50	08:29	08:26	08:39	08:52	09:13	08:50	08:19	08:38	08:36	08:23
9:50 AM	07:55	08:14	08:27	08:15	08:02	08:59	09:37	08:32	08:22	09:00	08:40	08:31
10:00 AM	08:02	08:10	08:12	08:26	08:52	09:38	08:51	08:40	08:02	08:35	08:16	08:07
10:10 AM	08:16	08:01	08:35	08:10	08:14	08:23	08:48	08:38	08:25	08:34	08:26	08:47
10:20 AM	08:07	08:01	08:36	08:06	08:26	08:23	10:09	08:28	08:36	08:21	09:09	08:04
10:21 AM							09:24	08:25	08:36	08:20	08:15	08:35
10:30 AM	07:59	08:25	08:11	08:09	08:11	08:25	08:41	08:29	08:15	08:14	08:11	08:26
10:40 AM	08:12	08:03	07:56	08:25	08:09	08:12	09:00	08:33	08:12	08:27	08:13	07:56
10:50 AM	08:11	08:00	08:02	08:00	08:10	07:57	08:53	08:33	08:08	08:17	08:14	08:18
11:00 AM	08:11	08:03	08:12	07:58		08:25	08:26	08:32	08:01	08:02	08:01	08:26
11:10 AM	08:07	08:18	08:19	08:09	08:13	08:07	08:33	08:18	08:07	08:12	08:07	08:11
11:20 AM	08:04	08:10	08:05	08:06	08:19	08:14	08:44	08:45	08:08	08:25	08:09	08:15

ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:16	08:34	08:22	07:51	08:04	07:51	08:40	08:43	08:19	08:53	08:08	08:04
11:40 AM	08:11	08:14	08:23	08:01	08:26	08:26	08:55	08:19	08:35	08:09	08:00	08:03
11:50 AM	08:24	08:29	07:58	08:29	08:23	08:10	08:49	08:17	08:41	08:08	08:07	08:03
12:00 PM	08:25		08:09	08:11	08:26	08:03	08:38	08:21	08:44	08:09	08:22	08:12
12:10 PM	08:26	08:17	08:27	08:31	08:14	07:50	08:45	08:09	08:36	08:13	08:19	08:04
12:20 PM	08:04	08:23	08:26	08:25	08:03	08:01		08:05	08:36	08:04	08:14	08:05
12:30 PM	08:13	08:31	08:23	08:04	08:02	08:13	08:52	08:04	08:39	08:08	08:30	08:04
12:40 PM	08:08	08:35	08:06	08:12	08:12	08:18	09:01	08:05	08:36	08:39	08:24	07:58
12:50 PM	08:19	08:18	07:46	08:19	08:02	08:25	08:47	08:06	08:26	08:32	08:14	08:20
1:00 PM	08:19	08:11	07:48	08:16	08:07	08:38	08:36	08:29	08:47	08:27	08:21	08:34
1:10 PM	08:06	08:02	07:50	08:34	08:16	08:48	09:04	07:59	08:40	08:03	08:08	08:25
1:20 PM	08:29	08:07	08:20	08:34	08:09	08:16	08:34	08:32	08:22	08:11	08:18	08:07
1:30 PM	08:10	07:55	08:18	09:03	08:14	08:13	08:42	07:40	08:43	08:14	08:23	08:03
1:40 PM	08:03	08:08	08:57	08:23	08:10	08:11	08:38	08:03	08:40	08:01	07:55	07:53
1:50 PM	07:47	08:15	08:05	08:37	08:06	07:55	08:42	08:00	08:26	08:03	08:09	07:57
2:00 PM	07:50	08:09	08:13	07:58	08:06	08:37	08:28	07:59	08:32	07:52	08:02	07:56
2:10 PM	07:52	08:00	08:06	08:11	08:32	08:03	08:31	08:18	07:57	08:02	08:03	08:18
2:20 PM	07:50	07:50	07:55	09:09	07:59	08:27	08:49	08:08	08:03	08:21	08:10	08:22
2:30 PM	07:55	08:00	08:00	08:08	08:24	08:00	08:46	08:32	08:05	08:57	08:15	08:24
2:40 PM	08:31	08:15	08:07	08:21	08:14	07:53	09:20	08:45	08:08	08:14	08:03	08:24
2:50 PM	07:54	08:01	07:50	08:34	08:07	09:39	08:46	08:09	07:57	08:28	08:02	08:20
3:00 PM	08:00	08:28	08:04	08:19	08:15	08:46	09:07	07:55	08:15	08:19	08:19	08:16
3:10 PM	07:54	07:59	07:59	08:31	08:35	08:45	11:02	08:04	08:13	08:25	08:05	09:42
3:20 PM	09:10	08:05	08:09	07:48	07:48	08:44	10:32	08:00	08:14	08:19	08:23	08:05
3:30 PM	08:37	07:55	08:07	07:50	08:00	08:25	10:48	08:09	07:48	07:53	08:46	08:24
3:40 PM	08:11	07:50	08:04	08:36	08:03	08:52	11:13	07:58	08:26	07:52	08:51	08:05
3:50 PM	08:06	08:04	08:15	08:07	08:04	08:38	10:22	07:54	08:15	08:31	08:04	08:13
4:00 PM	08:00	07:56	08:21	08:13	08:02	08:38	10:30	08:02	08:07	07:58	08:32	08:08
4:10 PM	08:21	08:58	08:29	08:14	08:03	09:27	11:35	08:14	07:47	08:25	08:51	08:15
4:20 PM	08:24	08:09	08:17	08:23	08:22	08:51	10:11	08:15	07:51	08:11	09:22	08:05
4:30 PM	08:00	08:18	08:09	08:20	08:05	10:07	09:15	08:10	08:14	08:32	08:45	08:17
4:40 PM	07:59	08:30	08:22	08:19	08:11	09:52	09:21	08:01	07:58	08:24	08:35	08:11
4:41 PM	07:58						09:18	08:17	08:03	09:06	09:06	08:27
4:50 PM	08:18	08:32	08:57	08:39	08:44	09:51	08:47	08:47	08:38	08:44	08:56	08:22
5:00 PM	08:17	08:35	08:41	08:18	09:03	10:11	09:08	08:44	08:10	09:17	08:49	08:24
5:10 PM	08:46	08:40	08:35	08:24	08:48	10:11	09:13	08:26	08:45	09:00	08:58	08:39
5:20 PM	08:51	09:04	08:44	08:32	09:02	11:08	09:06	08:04	08:50	08:47	10:01	08:44
5:30 PM	09:49	09:40	10:15	09:03	08:57	10:19	09:40	08:33	08:36	08:51	08:59	09:04
5:40 PM	08:55	09:08	08:41	08:52	09:21	10:07	09:28	08:24	08:21	08:25	09:15	08:39
5:50 PM	09:02	08:59	08:48	08:38	08:49	11:18	08:52	08:46	08:34	08:16	09:09	09:11
6:00 PM	08:55	09:07	08:24	08:49	08:45	10:20	08:48	07:52	08:22	08:34	08:35	08:41
6:10 PM	08:31	08:45	08:28	08:19	08:45	09:51	08:46	08:13	08:25	08:32	08:29	08:43



ROUTE	Sorrento Valley Blvd and Calle Cristobal EB											
TOD							TRAVEL TIME					
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	09:16	08:56	08:23	08:12	08:40	09:35	08:53	08:09	08:08	08:21	08:00	08:34
6:30 PM	08:07	08:20	08:12	08:33	08:11	09:45	09:01	08:23	07:58	08:04	08:09	08:05
6:40 PM	08:15	08:57	08:01	08:02	09:12	08:57	08:52	08:13	08:11	08:11	09:10	08:24
6:50 PM	08:34	08:35	07:54	08:07	08:20	08:47	08:50	08:01	08:11	08:27	08:16	08:01
7:00 PM	08:08	08:03	08:14	08:07	08:07	09:16	08:57	08:05	07:54	08:09	08:15	08:07
7:10 PM	08:43	08:15	08:07	08:16	08:49	09:23	09:08	08:10	08:00	07:57	08:05	07:57
7:20 PM	08:12	08:07	08:02	08:20	08:13	08:27	08:39	08:32	07:58	08:08	08:18	08:03
7:30 PM	07:50	08:05	08:08	08:16	08:15	08:22	08:36	08:03	08:05	07:54	08:06	07:55
7:40 PM	08:07	07:56	08:17	08:33	08:26	08:23	08:58	08:07	08:00	08:16	08:23	08:04
7:50 PM	08:12	08:00	08:11	08:19	08:26	08:12	09:20	08:13	08:09	08:04	07:57	08:11
8:00 PM	08:13	08:01	08:12	08:19	08:34	08:26	09:15	08:10	08:15	07:53	08:08	07:58
8:10 PM	07:54	08:02	07:52	08:11	07:53	08:15	08:48	08:19	07:59	08:26	08:20	08:16
8:20 PM	07:54	08:10	07:55	08:13	07:47	08:39	08:54	07:58	07:45	07:58	08:10	07:47
8:30 PM	07:59	08:07	08:05	08:12	07:52	08:21	08:42	08:00	07:53	08:05	08:14	07:59
8:40 PM	07:58	07:51	08:03	07:51	07:51	08:10						
8:50 PM	08:07	07:59	07:56	08:03	07:48	08:16						

Traction Probe Data Heatmap

ROUTE Sorrento Valley Blvd and Calle Cristobal WB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		07:52	07:41	07:47	08:01	08:05	07:33	07:31	07:37	08:02	08:09	08:10
5:20 AM		07:41	07:39	07:50	08:07	08:00	07:39	07:39	07:41	07:59	08:13	08:02
5:30 AM		07:55	07:39	07:49	07:46	07:56	07:38	07:31	07:44	07:45	08:14	07:58
5:40 AM		07:54	07:47	07:45	07:50	07:51	08:03	07:38	08:07	07:44	08:24	08:14
5:50 AM		07:59	08:05	08:10	07:48	07:52	08:26	07:50	07:38	07:55	08:26	08:16
6:00 AM		07:58	08:03	07:58	07:50	07:46	08:27	08:12	07:41	08:09	08:24	08:11
6:10 AM		08:08	08:02	08:07	08:17	08:19	08:04	08:02	08:00	08:04	08:12	08:20
6:20 AM		08:17	08:12	08:25	07:57	08:14	08:00	08:01	08:00	07:51	08:03	08:19
6:30 AM		08:08	08:00	07:56	08:03	07:50	08:06	07:56	07:57	07:51	08:09	08:34
6:40 AM		08:22	08:16	08:08	07:56	08:09	08:07	08:07	07:59	08:01	08:18	08:33
6:50 AM		09:29	08:31	08:04	08:09	08:16	08:12	08:09	08:54	08:16	08:30	08:37
7:00 AM		08:52	08:18	08:05	07:57	08:15	08:22	08:26	08:21	08:10	08:35	08:26
7:10 AM		08:41	08:46	08:28	08:13	08:41	08:53	08:19	08:27	08:09	08:31	09:09
7:20 AM		08:41	08:49	08:25	08:17	08:42	08:46	09:05	08:23	08:33	08:28	08:48
7:30 AM		08:53	08:51	08:59	08:36	08:48	09:08	08:45	08:51	08:29	08:41	08:58
7:40 AM		09:15	08:57	10:28	08:48	08:45	08:57	09:35	09:10	09:01	09:45	09:12
7:50 AM		09:58	10:24	10:10	09:49	09:42	10:13	09:33	09:59	09:36	09:53	09:32
8:00 AM		12:18	12:16	10:50	10:42	10:38	11:38	11:20	11:08	10:42	10:41	11:18
8:10 AM		15:47	11:13	11:09	11:47	10:34	11:10	10:33	09:46	09:30	09:51	09:22
8:20 AM		18:31	10:49	09:59	11:00	11:07	10:40	10:47	10:44	09:27	10:25	09:13
8:30 AM		16:13	10:38	09:33	10:41	10:33	09:52	12:35	09:03	10:32	10:00	08:58
8:40 AM		10:09	10:08	09:22	09:38	10:04	09:29	11:38	08:50	10:15	09:10	09:52
8:50 AM		09:00	09:16	09:20	09:00	09:31	09:40	09:40	08:41	09:27	09:04	09:20
9:00 AM		08:32	08:48	09:25	08:58	08:48	09:09	09:18	08:40	08:48	08:41	08:51
9:10 AM		08:35	08:30	08:43	08:57	08:50	08:50	08:38	09:24	08:29	08:39	08:43
9:20 AM		08:39	08:32	08:29	09:09	08:33	08:29	08:35	09:04	08:39	08:36	08:32
9:30 AM		08:34	08:30	08:36	08:50	09:12	08:14	08:26	09:09	08:28	08:41	08:36
9:40 AM		08:29	08:22	08:35	08:55	08:34	08:30	08:13	09:00	08:31	08:14	08:19
9:50 AM		08:44	09:21	08:15	08:35	08:28	08:48	08:04	08:41	08:17	08:38	08:31
10:00 AM		08:26	08:29	08:21	08:53	08:14	08:31	08:12	08:40	08:14	08:40	08:30
10:10 AM		08:44	08:38	08:38	08:44	08:23	08:31	08:25	08:34	08:12	08:17	08:40
10:20 AM		08:31	08:45	08:39	08:51	08:47	08:47	08:29	08:24	08:54	08:36	08:43
10:21 AM								08:24				
10:30 AM		08:49	08:30	08:15	09:21		08:42	07:57	08:34	08:43	08:38	08:31
10:40 AM		08:21	08:16	08:37	08:48	08:24	08:43	08:23	08:29	09:01	08:23	08:42
10:50 AM		08:23	08:39	08:41	09:08	08:38	08:59	08:24	08:32	08:36	08:22	08:36
11:00 AM		08:32	08:20	08:29	09:09	08:25	08:38	08:31	08:41	08:27	08:46	08:49
11:10 AM		08:43	09:11	08:43	08:11	08:46	08:34	09:00		08:34	08:40	09:11
11:20 AM		08:30	08:47	08:22	08:55	09:02	08:42	08:21	08:49	10:11	08:46	08:45

ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		08:48	08:45	08:24	08:43	08:47	08:43	08:42	08:39	08:45	09:10	08:38
11:40 AM		08:31	08:55	08:39	08:42	08:50	08:11	08:55	08:22	09:04	08:22	08:47
11:50 AM		08:36	08:49	08:21	09:07	09:02	08:34	08:52	08:42	08:48	08:32	09:05
12:00 PM		08:25	08:42	08:52	09:02	08:45		08:34	08:46	08:47	08:27	09:00
12:10 PM		08:31	08:51	08:38	08:43	08:44	08:51	09:12	08:50	08:48	08:44	08:40
12:20 PM		08:36	08:49	08:33	08:48	08:45	09:25	09:53	08:45	08:48	08:56	09:16
12:30 PM		08:37	08:56	08:23	08:48	08:52	08:39	09:03	08:52	08:35	09:22	08:35
12:40 PM		09:02	09:09	09:04	08:24	09:02	08:39	08:52	08:38	08:44	08:51	08:45
12:50 PM		08:51	08:47	08:48	08:41	08:21	09:06	08:57	08:32	09:00	08:47	08:54
1:00 PM		08:48	08:57	08:48	08:59	08:10	08:42	08:50	08:39	08:44	08:44	08:49
1:10 PM	08:44	08:39	09:01	08:34	08:32	08:34	08:25	08:32	08:47	08:40	08:46	08:35
1:20 PM	08:37	08:45	08:53	08:46	08:32	09:24	08:43	08:56	08:54	08:33		08:39
1:30 PM	08:31	08:37	08:46	08:52	08:31	08:44	08:31	08:39	08:51	08:26	09:05	08:32
1:40 PM	08:36	08:39	08:48	08:35	08:35	08:32	08:49	08:43	09:43	08:40	08:46	08:50
1:50 PM	09:05	08:22	08:56	08:51	08:31	08:35	08:56	08:37	09:08	09:13	08:36	08:36
2:00 PM	08:36	08:21	08:36	09:08	08:44	08:49	08:52	09:27	09:23	08:42		08:42
2:10 PM	08:32	09:00	08:47	08:50	08:27	09:01	08:54	09:10	09:41	08:45	08:45	08:38
2:20 PM	08:39	09:21	08:44	08:51	08:35	09:00	08:39	09:14	09:39	08:32	09:17	08:58
2:30 PM	08:39	09:24	09:14	08:48	08:58	08:37	08:57	09:02	09:25	08:45		
2:40 PM	08:43	09:12	08:47	09:00	09:09	08:43	09:21	09:19	09:48	09:04	08:35	09:23
2:50 PM	09:15	09:10	09:09	09:08	08:57	09:00	09:18	08:57	09:49	09:17	08:37	09:31
3:00 PM	08:48	09:43	08:45	09:12	08:38	09:21	09:37	09:23	10:34	09:03	08:40	09:25
3:10 PM	08:45	09:02	08:45	09:10	08:36	09:10	09:21	09:23	10:46	09:11	09:03	09:34
3:20 PM	09:05	09:45	08:41	09:22	08:44	09:43	08:56	09:53	11:04	08:52	08:56	09:12
3:30 PM	08:48	09:05	08:41	09:31	08:36	09:05	08:51	09:25	09:41	08:44	09:22	08:58
3:40 PM	08:37	08:54	09:06	08:55	09:10	08:59	08:35	08:56	11:59	09:16	09:15	08:51
3:50 PM	08:51	09:02	08:54	08:51	08:57	08:49	08:35	09:02	10:18	09:32	09:39	09:14
4:00 PM	08:46	09:24	08:53	08:51	09:15	08:49	08:51	09:10	10:46	08:52	09:15	09:32
4:10 PM	09:28	09:27	09:09	09:09	09:20	09:29	09:27	09:17	11:55	09:10	09:11	09:48
4:20 PM	08:39	09:08	09:31	09:18	09:10	09:18	09:06	09:09	12:17	09:34	09:58	09:35
4:30 PM	10:31	10:20	09:34	08:57	08:54	08:53	09:18	09:06	12:37	08:48	10:16	09:28
4:40 PM	09:11	08:35	09:24	08:52	09:24	08:49	08:55	09:14	12:29	08:51	09:53	09:16
4:41 PM												
4:50 PM	09:02	08:55	09:16	08:44	09:02	09:08	08:49	08:51	13:41	09:00	09:03	09:11
5:00 PM	09:03	08:58	09:14	08:46	08:57	09:11	09:07	09:20	14:23	08:48	09:15	09:05
5:10 PM	09:19	08:51	09:15	08:53	09:39	09:05	09:14	09:24	14:24	08:39	09:24	09:10
5:20 PM	08:51	09:06	09:22	09:11	09:31	09:03	09:51	09:27	15:31	08:43	09:27	09:29
5:30 PM	08:57	09:22	09:27	09:18	09:45	09:15	09:44	09:56	14:02	08:59	09:43	09:19
5:40 PM	08:56	09:08	09:21	08:54	09:13	09:27	10:07	09:37	13:15	09:03	10:07	09:23
5:50 PM	09:12	09:34	09:09	09:50	09:16	09:22	09:35	10:47	13:09	08:55	09:30	09:28
6:00 PM	09:11	09:31	08:53	09:10	09:12	09:05	09:49	09:21	13:19	09:02	09:35	09:29
6:10 PM	09:18	09:22	09:57	09:33	09:21	09:17	09:16	09:14	12:20	08:56	09:16	09:18

ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	08:50	10:39	08:57	09:16	09:36	10:13	09:15	09:21	12:25	09:44	09:15	09:16
6:30 PM	08:49	09:04	09:06	09:33	09:09	09:07	09:16	09:19	12:08	08:45	10:33	09:03
6:40 PM	08:58	08:58	08:54	09:28	09:17	09:11	09:00	09:09	12:36	09:03	09:10	08:53
6:50 PM	08:41	08:52	08:42	09:15	09:21	09:03	08:48	08:57	11:27	08:49	08:56	08:49
7:00 PM	08:53	08:47	08:44	09:10	08:54	08:44	08:33	08:42	11:28	08:36	09:00	08:52
7:10 PM	08:51	08:49	08:35	08:51	08:16	08:57	08:42	08:44	09:54	08:17	09:32	09:15
7:20 PM	08:42	08:41	08:25	09:01	08:56	08:52	08:35	08:25	08:59	08:36	09:18	08:43
7:30 PM	08:33	08:55	08:37	08:49	08:46	08:45	08:55	08:16	08:56	08:33	09:03	08:32
7:40 PM	08:40	08:29	08:32	08:51	08:46	08:48	08:47	08:48	08:41	08:14	08:57	08:52
7:50 PM	08:31	08:38	09:02	08:29	09:07	08:29	08:33	08:52	08:39	08:31	08:49	08:28
8:00 PM	08:45	08:38	08:56	08:32	08:41	08:22	08:27	08:30	08:45	08:40	08:38	08:52
8:10 PM	08:50	08:40	08:33	08:34	08:22	08:30	08:28	08:21	08:49	08:32	08:30	08:44
8:20 PM	08:52	08:27	08:38	08:16	08:36	08:31	08:31	08:30	08:57	08:33	08:43	09:02
8:30 PM	08:36	08:33	08:25	08:40	08:33	08:45	08:30	08:26	08:57	08:37	08:43	08:41
8:40 PM	08:23	08:40	08:30	08:34	08:35	08:42	08:52	08:25	09:03	08:29	08:46	08:54
8:50 PM	08:21	08:39	08:35	08:58	08:50	08:45	08:42	08:59	09:05	08:38	08:43	08:42

Traction Probe Data Heatmap												
ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	07:47	07:46	07:59	08:05	07:48	07:36	08:07	08:20	07:59	07:48	07:37	07:54
5:20 AM	07:48	07:50	07:47	08:09	07:53	07:45	08:22	08:15	08:08	07:43	07:40	07:54
5:30 AM	07:35	07:41	07:48	08:05	07:56	07:48	08:10	08:09	08:02	07:42	07:34	07:44
5:40 AM	07:51	07:41	08:02	07:59	08:03	07:51	08:18	08:19	08:00	08:00	07:44	07:53
5:50 AM	07:56	07:52	07:56	07:54	08:03	07:57	08:29	08:14	08:01	08:01	07:54	08:05
6:00 AM	07:59	08:05	07:49	07:50	08:16	08:11	08:44	08:31	07:59	08:08	07:58	08:04
6:10 AM	08:00	08:07	08:02	08:04	08:02	07:49	08:47	08:29	08:04	07:56	08:08	08:15
6:20 AM	07:59	08:05	08:03	08:12	08:00	07:47	08:21	08:36	08:05	08:00	08:08	08:22
6:30 AM		07:59	08:00	08:01	08:07	08:25	08:24	08:23	08:06	08:01	08:13	08:04
6:40 AM	08:03	08:05	07:58	08:02	08:12	08:04	08:14	08:14	08:08	08:02	07:57	08:17
6:50 AM	08:06	08:18	07:58	08:49	08:04	08:29	08:33	08:25	08:20	08:04	08:01	08:20
7:00 AM	08:09	08:24	08:21	07:58	08:19	07:53	08:38	08:26	07:59	08:13	08:09	08:29
7:10 AM	08:27	08:21	08:11	08:07	08:26	08:21	08:25	08:21	07:56	08:12	08:39	08:31
7:20 AM	08:59	08:13	08:20	08:22	08:40	08:40	08:58	08:44	08:12	09:10	08:43	08:37
7:30 AM	09:01	08:30	08:39	08:39	09:06	08:38	09:14	08:31	08:24	08:56	09:26	08:41
7:40 AM	09:00	09:23	09:19	09:04	08:59	09:15	09:26	09:33	08:37	09:47	08:52	09:17
7:50 AM	09:20	09:33	09:14	09:26	10:01	09:17	10:02	09:38	08:41	10:19	09:34	09:56
8:00 AM	10:09	10:57	10:13	10:44	11:19	10:15	12:40	09:05	09:12	12:11	11:38	09:54
8:10 AM	09:58	11:08	10:10	14:45	10:26	10:13	13:58	09:18	08:39	11:21	13:28	09:16
8:20 AM	10:20	10:56	10:54	15:24	10:36	11:14	13:04	09:40	08:55	10:58	11:17	09:44
8:30 AM	12:54	10:31		18:46	10:05	09:56	13:44	09:39	08:31	09:49	12:13	08:47
8:40 AM	11:38		09:56	13:16	10:25	10:21	10:17	09:20	08:38	09:29	10:27	08:43
8:50 AM	09:05	09:23	08:49	10:13	08:58	09:18	11:24	09:05	08:15	09:07	09:13	08:46
9:00 AM	09:31	09:03	08:37	09:01	09:48	09:07	11:02	09:11	09:11	08:58	08:52	08:58
9:10 AM	08:51	09:11	08:41	08:44	08:42	09:22	11:12	09:43	08:27	08:31	08:18	09:02
9:20 AM	08:42	09:00	08:33	08:28	08:45	08:47	10:17	09:14	08:23	08:24	08:40	08:30
9:30 AM	08:31	08:31	08:47	08:16	08:21	08:45	09:57	08:29	08:09	08:17	08:21	08:22
9:40 AM	08:40	08:28	08:30	08:31	08:18	08:42	09:42	08:37	08:08	08:39	08:27	08:24
9:50 AM	09:02	08:18	08:09	08:27	08:35	09:24	09:22	08:38	09:03	08:44	09:27	08:17
10:00 AM	08:23	08:17	08:31	08:22	08:36	08:57	09:17	08:42	08:30	08:28	08:29	08:21
10:10 AM	08:32	08:12	08:28	08:31	08:59	08:26	09:22	08:52	08:30	08:40	08:32	08:35
10:20 AM	08:16	08:16	09:44	08:22	08:43	08:41	08:54	10:03	08:30	08:48	09:22	08:29
10:21 AM							08:54	09:17	08:33	08:25	08:45	08:31
10:30 AM	08:32	08:27	08:40	08:38	08:36	08:42	08:39	08:57	08:57	08:33	08:25	08:34
10:40 AM	08:35	08:42	08:19	08:26	08:31	08:41	08:56	08:54	08:55	09:02	08:41	08:46
10:50 AM	08:09	08:32	08:50	08:20	08:33	08:22	08:55	09:06	08:41	08:54	08:29	08:56
11:00 AM	08:29	08:14	08:29	08:17		08:35	08:52	08:44	09:08	09:03	08:53	08:52
11:10 AM	08:44	08:24	08:36	08:38	08:32	08:29	09:00	08:54	08:41	08:44	08:54	08:49
11:20 AM	08:23	08:11	08:39	08:32	08:27	08:31	08:54	08:48	08:19	08:49	08:52	08:57



ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	08:31	08:50	08:39	09:20	09:09	08:27	09:10	08:56	08:49	08:36	08:54	08:37
11:40 AM	08:46	08:34	08:54	09:07	08:35	08:43	08:56	09:57	08:32	08:44	08:19	08:41
11:50 AM	09:07	08:50	08:28	08:36	08:30	08:32	09:25	09:13	08:33	08:39	08:28	08:52
12:00 PM	08:49		08:32	08:43	08:32	08:56	08:49	09:17	08:39	08:39	08:40	08:49
12:10 PM	08:48	08:58	08:33	08:42	08:45	08:36	08:53	08:35	09:08	08:43	08:39	08:48
12:20 PM	08:36	08:44	08:45	08:30	08:43	08:41	09:25	08:38	08:49	08:45	08:43	08:40
12:30 PM	08:34		08:43	08:51	08:58	08:45	09:22	08:29	08:44	08:56	09:00	09:01
12:40 PM	08:30	08:34	08:35	08:48	09:12	08:28	09:15	08:43	08:48	08:39	08:40	09:00
12:50 PM	08:38	08:39	08:36	08:47	08:39	08:48	09:15	08:38	08:49	08:36	08:41	08:50
1:00 PM	08:29	08:43	08:35	08:45	08:50	08:49	09:41	08:37	09:14	08:45	09:33	08:43
1:10 PM	08:37	08:55	08:57	08:51	08:51	08:35	09:39	08:40	09:24	08:18	09:50	10:18
1:20 PM	09:00	08:33	08:39	08:14	08:32	08:48	09:11	08:31	09:09	08:35	09:04	09:05
1:30 PM	08:36	08:36	08:41	08:37	08:33	08:40	09:35	08:29	08:52	08:29	09:16	09:25
1:40 PM	08:38	08:37	08:51	08:35	08:33	08:47	09:13	08:55	08:29	08:40	08:41	09:04
1:50 PM	08:44	08:42	08:36	08:49	08:41	08:46	09:26	08:34	08:50	08:26	09:06	09:00
2:00 PM	08:38	08:54	08:20	08:43	08:46	08:50	09:31	08:28	08:42	08:34	09:03	08:59
2:10 PM	08:35	09:39	08:47	08:49	08:54	09:04	09:12	08:39	08:37	08:34	09:01	09:47
2:20 PM	08:59	08:54	09:14	09:18	08:41	08:58	09:23	08:40	08:44	08:47	08:58	09:18
2:30 PM	09:23	09:10	08:58	08:40	09:07	09:33	09:33	09:17	09:10	09:21	09:08	09:10
2:40 PM	08:49	09:30	08:59	08:55	09:00	09:15	10:03	08:53	08:37	09:38	09:20	09:22
2:50 PM	09:07	09:32	08:42	09:04	09:20	10:37	09:26	08:47	08:47	08:43	09:09	09:09
3:00 PM	09:19	08:44	08:48	09:32	09:52	09:46	09:40	08:58	08:53	08:38	09:07	09:30
3:10 PM	09:02	09:15	09:28	08:55	08:55	10:01	09:26	08:53	08:57	08:48	09:22	09:08
3:20 PM	09:06	09:58	09:12	08:44	09:31	09:40	09:56	08:38	08:35	08:42	09:04	09:18
3:30 PM	08:56	08:51	08:51	09:00	09:25	09:18	10:13	09:20	08:40	08:49	09:13	09:21
3:40 PM	09:08	08:56	09:12	09:00	09:17	09:32	10:23	09:24	08:38	08:59	09:11	09:02
3:50 PM	09:01	09:54	08:53	09:18	09:10	10:41	10:38	09:44	08:51	09:15	08:54	09:00
4:00 PM	09:56	09:29	08:53	09:29	09:13	10:58	10:36	10:41	08:35	09:27	10:06	09:38
4:10 PM	10:29	09:27	09:15	09:10	09:24	11:13	10:41	10:17	08:34	09:46	09:40	08:49
4:20 PM	09:07	09:11	09:15	09:39	09:26	11:50		09:45	08:41	10:07	10:05	09:34
4:30 PM	09:05	09:53	08:56	09:04	09:17	12:40	10:52	09:07	08:44	09:28	09:37	08:54
4:40 PM	09:17	09:31	08:37	08:48	08:51	12:18	10:31	08:59	08:27	08:52	09:56	08:59
4:41 PM	09:26						10:16	09:42	08:44	09:02	09:42	08:53
4:50 PM	08:54	09:22	08:55	09:09	08:45	13:40	10:13	08:49	08:34	10:06	09:57	09:31
5:00 PM	08:47	09:02	09:14	09:18	09:02	13:24	10:05	08:58	09:00	09:02	10:35	09:48
5:10 PM	09:06	09:29	08:48	09:22	09:06	13:21	10:08	08:38	08:49	09:28	11:28	09:27
5:20 PM	09:22	09:29	09:16	09:49	09:06	14:27	10:00	09:11	08:51	08:55	12:49	09:38
5:30 PM	09:23	09:46	08:52	09:18	09:24	12:57	09:36	08:40	08:49	09:27	10:46	08:56
5:40 PM	09:27	10:08	09:02	09:58	09:01	12:59	09:38	08:51	08:56	09:11	11:05	08:57
5:50 PM	09:13	09:01	08:45	09:34	09:20	12:07	09:50	08:59	08:57	09:07	10:47	09:12
6:00 PM	09:16	09:21	08:58	09:17	09:13	13:14	09:54	10:05	09:10	09:15	09:48	09:11
6:10 PM	09:22	09:15	09:19	09:16	10:02	12:35	09:36	09:14	09:02	09:15	09:34	08:54

ROUTE	Sorrento Valley Blvd and Calle Cristobal WB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	09:03	09:28	09:21	09:06	08:51	12:39	09:44	08:44	08:52	08:58	09:07	08:52
6:30 PM	09:08	09:38	08:43	09:01	09:08	13:09	11:51	09:01	08:33	08:57	08:56	09:23
6:40 PM	09:03	08:44	08:36	08:55	09:42	13:07	11:27	08:33	08:26	08:51	08:50	08:49
6:50 PM	08:43	08:44	08:54	08:59	08:53	11:44	09:35	08:39	08:44	09:12	08:37	08:57
7:00 PM	08:54	08:59	08:24	09:02	08:50	10:57	09:50	08:29	08:47	08:38	08:39	09:08
7:10 PM	08:45	09:00	08:54	09:22	08:53	10:11	09:38	08:51	09:16	09:03	08:34	08:35
7:20 PM	08:42	09:11	08:38	09:01	08:50	09:33	09:57	08:26	08:47	08:58	08:38	08:47
7:30 PM	08:27	08:45	08:27	08:31	08:46	08:54	09:07	08:27	08:44	08:52	08:31	08:18
7:40 PM	08:17	08:37	08:44	08:49	08:41	08:44	09:09	09:02	08:36	09:10	08:32	08:24
7:50 PM	08:20	08:19	08:39	08:55	08:48	08:34	08:57	08:52	08:40	08:59	08:09	08:28
8:00 PM	08:21	08:28	08:32	08:59	08:41	08:42	09:08	09:08	08:29	08:50	08:18	08:25
8:10 PM	08:36	08:49	08:18	08:43	08:34	08:46	09:10	08:46	08:24	08:52	08:33	08:19
8:20 PM	08:31	08:45	08:20	08:27	08:45	08:34	09:12	08:24	08:17	08:28	08:36	08:30
8:30 PM	08:33	08:36	08:33	08:36	08:39	08:26	09:02	08:16	08:32	08:48	08:52	08:41
8:40 PM	08:30	08:48	08:35	08:39	08:32	08:35						
8:50 PM	08:38	08:30	08:26	08:48	08:48	08:38						



Traction Probe Data Heatmap

ROUTE Vista Sorrento Pkwy NB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:22	02:33	02:26	02:29	02:20	02:26	02:28	02:28	02:28	02:33	02:31
5:20 AM		02:21	02:27	02:27	02:27	02:23	02:28	02:33	02:31	02:26	02:34	02:29
5:30 AM		02:23	02:27	02:28	02:27	02:20	02:31	02:30	02:26	02:24	02:35	02:34
5:40 AM		02:26	02:28	02:28	02:33	02:24	02:32	02:34	02:29	02:30	02:28	02:36
5:50 AM		02:29	02:28	02:26	02:36	02:29	02:32	02:30	02:29	02:33	02:32	02:36
6:00 AM		02:48	02:27	02:33	02:50	02:34	02:45	02:33	02:39	02:33	02:35	02:37
6:10 AM		02:53	02:35	02:35	02:39	02:44	02:42	02:37	02:36	02:42	02:38	02:57
6:20 AM		02:47	02:40	02:29	02:46	02:41	02:54	02:44	02:32	02:43	02:42	02:56
6:30 AM		02:53	02:35	02:49	02:47	02:44	02:58	02:46	02:38	02:43	02:46	02:53
6:40 AM		03:00	02:49	02:43	02:48	02:38	02:53	02:50	02:36	02:52	02:49	03:05
6:50 AM		03:00	02:44	02:42	02:51	03:00	02:49	02:55	02:36	02:44	03:06	03:00
7:00 AM		02:58	02:43	03:18	03:02	02:55	02:48	02:52	02:37	03:06	02:51	02:57
7:10 AM		02:58	02:52	03:14	03:00	02:46	02:54	02:48	02:38	03:00	02:56	03:09
7:20 AM		03:09	02:50	02:58	02:57	03:02	02:56	02:48	02:42	03:19	02:52	03:06
7:30 AM		03:00	02:56	03:02	03:11	03:36	02:56	03:07	03:07	03:03	02:48	03:14
7:40 AM		03:06	03:06	03:29	03:19	03:02	03:00	03:04	03:16	03:08	03:20	03:16
7:50 AM		03:16	03:19	03:25	03:16	03:16	03:13	03:06	03:12	03:14	03:18	03:20
8:00 AM		03:19	03:46	03:29	03:18	03:35	03:15	03:20	03:14	03:28	03:15	03:19
8:10 AM		03:47	03:16	03:22	03:12	03:23	03:14	03:21	03:13	03:15	03:21	03:18
8:20 AM		03:38	03:18	03:28	03:14	03:34	03:45	03:43	03:45	03:18	03:24	03:25
8:30 AM		03:37	03:26	03:48	03:35	03:35	03:29	03:51	03:17	03:16	03:34	
8:40 AM		03:25	03:31	03:23	03:25	03:32	03:20	03:37	03:05	03:11	03:28	03:26
8:50 AM		03:21	03:20	03:56	03:22	03:10	03:19	03:27	03:22	03:12	03:05	03:21
9:00 AM		03:28	03:20	03:50	03:58	03:09	03:28	03:25	03:16	03:20	03:16	03:37
9:10 AM		03:09	03:05	03:30	03:32	03:06	03:31	03:20	03:44	03:09	03:23	03:16
9:20 AM		03:32	03:08	03:11	03:36	03:13	03:08	03:08	03:10	03:08	03:24	03:18
9:30 AM		03:20	03:11	03:23	03:39	03:32	03:12	02:58	03:28	03:04	03:15	03:18
9:40 AM		03:04	03:02	03:13	03:07	03:33	03:13	03:14	03:24	03:10	03:19	03:11
9:50 AM		03:23	03:22	03:10	03:26	03:28	03:14	03:17	03:21	03:02	03:04	03:25
10:00 AM		03:11	03:24	03:13	03:04	03:29	03:00	03:12	03:11	03:07	03:27	03:11
10:10 AM		03:54	03:11	03:20	03:24	02:58	03:10	03:14	03:06	03:22	03:06	03:13
10:20 AM		02:57	03:10	03:02	03:25	03:06	03:13	03:04	02:53	03:24	03:01	03:16
10:21 AM								03:03				
10:30 AM		02:57	02:59	03:11	03:12	03:03	03:14	03:01	02:44	03:04	02:51	03:10
10:40 AM		03:03	02:53	02:58	03:10	03:10	03:04	03:12	02:54	03:06	02:54	03:00
10:50 AM		03:02	03:01	03:02	03:02	02:53	02:58	03:08	02:57	03:03	02:51	02:56
11:00 AM		03:01	02:52	02:57	03:18	02:49	03:03	03:01	03:13	03:04	03:05	03:02
11:10 AM		03:15	03:00	03:07	02:55	02:55	03:06	03:08		03:01	03:01	02:56
11:20 AM		03:06	02:57	03:24	03:02	02:57	03:01	03:01	03:05	02:59	02:51	02:58

ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		03:17	02:57	03:09	02:57	02:51	03:01	02:57	02:58	02:58	02:47	03:05
11:40 AM		03:12	03:02	03:05	03:02	03:04	03:02	03:06	03:21	03:11	02:56	02:56
11:50 AM		03:13	03:05	03:18	03:12	02:56	02:59	03:06	02:59	03:07	03:14	03:07
12:00 PM		03:18	02:59	03:15	03:12	03:06	03:05	02:52	03:00	03:13	03:31	03:12
12:10 PM		03:25	03:18	03:19	03:22	03:00	03:10	03:09	03:04	03:14	03:25	03:11
12:20 PM		03:28	03:08	03:15	03:13	03:06	03:24	03:04	03:25	03:06	03:10	03:02
12:30 PM		03:13	03:14	03:17	03:21	03:08	03:18	03:10	03:07	03:11	03:08	03:09
12:40 PM		03:14	03:03	03:09	03:17	03:13	03:15	03:04	03:00	03:08	03:06	02:57
12:50 PM		03:15	03:12	03:05	03:25	03:04	03:14	03:19	03:09	03:17	03:04	03:05
1:00 PM		03:06	03:08	03:03	03:28	03:06	03:17	03:02	03:04	03:13	02:50	02:59
1:10 PM	03:02	02:56	03:11	02:49	03:20	03:07	03:14	03:13	03:09	03:07	03:11	03:03
1:20 PM	02:54	03:04	03:14	03:13	03:05	03:21	03:16	03:06	03:04	03:20		03:06
1:30 PM	02:42	03:14	03:07	03:17	03:23	03:08	03:13	02:59	03:08	03:07	03:01	03:23
1:40 PM	02:49	03:13	02:57	02:57	03:12	03:16	03:18	03:10	03:13	03:12	03:04	03:16
1:50 PM	02:57	02:52	03:06	03:28	03:04	03:18	03:20	03:09	03:15	02:55	03:02	03:12
2:00 PM	02:48	03:20	03:03	03:19	03:08	03:23	03:03	03:05	03:22	02:56	03:07	02:56
2:10 PM	03:20	03:07	03:22	03:21	03:05	03:15	03:23	03:26	03:11	03:15	03:26	03:04
2:20 PM	03:10	03:08	03:13	03:03	03:13	03:16	03:11	03:11	03:37	03:03	03:22	03:05
2:30 PM	03:01	03:12	03:14	03:11	03:11	03:04	02:58	03:09	03:29	03:08	03:20	03:10
2:40 PM	03:12	03:13	03:17	03:24	03:01	03:14	03:17	03:19	03:39	03:14	03:32	03:14
2:50 PM	03:01	03:08	03:09	03:33	03:07	03:06	03:29	03:26	03:44	03:06	03:02	03:12
3:00 PM	03:03	03:03	03:22	03:25	03:07	03:02	03:26	03:18	03:48	03:07	03:04	03:27
3:10 PM	03:10	03:17	03:18	03:02	03:07	03:12	03:20	03:14	03:35	03:12	03:16	03:16
3:20 PM	03:02	03:34	03:09	03:16	03:31	03:09	03:31	03:18	03:40	03:03	03:23	03:19
3:30 PM	02:58	03:19	03:06	02:59	03:22	02:59	03:21	03:10	03:40	02:57	03:17	03:04
3:40 PM	03:07	03:15	03:11	03:32	03:11	03:17	03:06	03:03	03:45	03:08	03:04	03:16
3:50 PM	03:30	03:12	03:17	03:18	03:17	03:06	03:10	03:01	03:51	03:01	03:02	03:20
4:00 PM	03:14	03:16	03:12	03:15	03:15	03:04	03:14	02:56	04:22	03:23	03:18	03:27
4:10 PM	03:15	03:23	03:41	03:18	02:59	03:09	03:27	03:22	06:03	03:17	03:16	03:39
4:20 PM	03:07	03:15	03:31	03:24	03:26	03:36	03:03	03:27	08:44	03:11	03:30	03:31
4:30 PM	03:19	03:13	04:05	03:18	03:35	03:18	03:20	03:18	08:45	03:25	03:15	03:14
4:40 PM	03:16	03:17	03:26	03:13	03:22	03:16	03:14	03:27	11:04	03:13	03:17	03:18
4:41 PM												
4:50 PM	03:10	03:23	03:34	03:27	03:38	03:31	03:27	03:38	11:59	03:32	04:13	03:16
5:00 PM	03:22	03:09	03:29	03:25	03:45	03:39	03:39	03:15	11:49	03:29	03:30	03:28
5:10 PM	03:34	03:55	04:12	03:27	04:04	03:45	04:23	04:02	11:04	03:24	04:10	03:56
5:20 PM	03:32	03:56	05:00	04:08	03:52	03:40	04:27	04:16	10:40	03:34	04:17	04:18
5:30 PM	03:32	04:38	05:42	04:21	03:34	04:01	05:47	05:00	16:18	03:29	04:07	03:51
5:40 PM	03:20	03:59	04:10	04:05	03:43	03:39	04:22	04:04	14:21	03:21	03:51	03:51
5:50 PM	03:13	03:39	04:26	03:38	03:38	03:33	03:38	03:45	14:09	03:12	04:00	03:47
6:00 PM	03:19	03:27	03:43	03:25	03:20	03:13	03:11	03:25	12:11	03:04	03:53	03:36
6:10 PM	03:09	03:24	03:35	03:29	02:58	03:22	03:02	03:38	12:34	03:09	03:09	03:16

ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	02:59	03:14	03:29	03:08	03:08	03:45	03:07	03:33	07:13	02:49	03:13	03:10
6:30 PM	02:58	03:13	03:07	03:12	02:51	03:07	03:08	03:13	06:47	02:59	03:10	03:10
6:40 PM	02:58	03:13	03:14	03:04	02:46	03:15	03:10	03:28	07:44	02:54	03:06	03:14
6:50 PM	02:51	03:01	03:16	02:59	02:59	03:09	03:03	02:57	05:59	02:50	03:06	03:12
7:00 PM	03:09	02:52	02:56	03:17	03:03	03:02	03:05	02:58	04:20	02:53	03:06	03:09
7:10 PM	02:55	02:54	02:52	03:05	02:55	02:47	02:55	02:55	03:43	02:47	02:51	03:03
7:20 PM	02:58	02:47	02:47	03:13	03:14	02:47	02:52	02:48	03:25	02:53	02:53	03:00
7:30 PM	02:54	02:50	02:46	03:05	02:58	02:38	02:47	02:48	03:09	02:48	02:46	03:05
7:40 PM	02:48	02:56	02:43	02:41	02:49	02:40	02:45	02:47	02:53	02:44	02:53	03:02
7:50 PM	02:49	02:59	02:45	02:41	02:36	02:40	02:38	02:46	02:57	02:48	02:53	02:54
8:00 PM	02:45	02:37	02:39	02:38	02:31	02:34	02:45	02:57	02:50	02:42	02:44	02:52
8:10 PM	02:44	02:43	02:40	02:33	02:30	02:41	02:36	02:52	02:42	02:31	02:46	02:44
8:20 PM	02:39	02:37	02:43	02:31	02:36	02:40	02:32	02:43	02:43	02:44	02:49	02:49
8:30 PM	02:35	02:46	02:36	02:32	02:28	02:34	02:35	02:41	02:44	02:38	02:50	02:52
8:40 PM	02:28	02:43	02:31	02:33	02:30	02:28	02:52	02:40	02:41	02:37	02:47	02:45
8:50 PM	02:30	02:39	02:32	02:29	02:34	02:30	02:41	02:29	02:36	02:35	02:50	02:48

Traction Probe Data Heatmap												
ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:32	02:36	02:28	02:23	02:24	02:22	02:33	02:31	02:29	02:24	02:25	02:30
5:20 AM	02:31	02:37	02:25	02:24	02:27	02:23	02:35	02:33	02:19	02:18	02:27	02:34
5:30 AM	02:27	02:36	02:31	02:30	02:25	02:28	02:30	02:32	02:18	02:24	02:32	02:30
5:40 AM	02:32	02:40	02:31	02:31	02:27	02:31	02:34	02:34	02:19	02:27	02:35	02:29
5:50 AM	02:32	02:29	02:33	02:28	02:29	02:33	02:38	02:32	02:23	02:27	02:37	02:36
6:00 AM	02:38	02:33	02:37		02:37	02:39	02:43	02:41	02:28	02:43	02:39	02:40
6:10 AM	02:42	02:41	02:47	02:39	02:46	02:34	02:45	02:44	02:33	02:38	02:45	02:44
6:20 AM	02:38	02:39	02:53	02:48	02:46	02:35	02:48	02:44	02:37	02:48	02:48	02:38
6:30 AM		02:42	02:52	02:52	02:51	02:46	02:48	02:48	02:37	02:51	02:49	02:41
6:40 AM	02:42	02:48	02:54	02:56	02:47	02:46	02:51	02:46	02:44	02:43	02:44	02:49
6:50 AM	02:53	02:46	02:45	02:51	02:49	02:46	03:15	02:46	02:45	02:45	02:53	02:51
7:00 AM	02:56	02:51	02:46	02:54	02:42	02:53	03:25	02:58	02:49	02:53	02:49	02:57
7:10 AM	02:54	03:06	02:53	03:08	02:42	02:58	03:37	02:58	02:55	02:57	02:58	03:00
7:20 AM	02:54	03:01	03:27	03:19	02:48	03:04	03:37	03:15	02:58	02:54	03:07	02:58
7:30 AM	03:03	02:59	03:17	03:16	02:56	03:07	03:14	03:10	03:10	02:58	03:08	03:23
7:40 AM	03:10	03:30	03:16	03:30	03:14	03:07	03:26	03:06	03:08	03:10	03:14	03:12
7:50 AM	03:04	03:18	03:15	03:23	03:16	03:13	03:22	03:12	02:59	03:06	03:10	03:18
8:00 AM	03:05	03:39	03:18	03:19	03:38	03:19		03:12	03:01	03:33	03:38	03:23
8:10 AM	03:22	03:22	03:13	03:27	03:36	03:32	03:30	03:25	02:57	03:28	03:26	03:31
8:20 AM	03:27	03:23	03:44	03:23	03:28	03:37	03:52	03:22	03:00	03:22	03:29	03:27
8:30 AM	03:24	03:40	03:33	03:37	03:04	03:43	03:40	03:27	03:01	03:25	03:50	03:23
8:40 AM	03:26		03:23	03:42	03:15	03:23	03:21	03:12	03:01	03:24	03:34	03:17
8:50 AM	03:21	03:52	03:15	03:25	03:26	03:28	03:29	03:14	03:05	03:35	03:19	03:30
9:00 AM	03:21	03:18		03:31	03:26	03:24	04:04	03:18	03:04	03:28	03:29	03:26
9:10 AM	03:27	03:39	03:23	03:47	03:10	03:23	03:43	03:12	03:05	03:21	03:21	03:24
9:20 AM	03:30	03:14	03:18	03:45	03:12	03:26	03:35	03:10	02:54	03:26	03:24	03:21
9:30 AM	03:22	03:19	03:27	03:46	03:13	03:26	03:45	03:05	03:01	03:16	03:21	03:23
9:40 AM	03:12	03:10	03:21	03:24	03:13	03:33	03:32	03:37	02:46	03:21	03:03	03:09
9:50 AM	03:17	03:30	03:15	03:37	03:18	03:10	03:38	03:04	03:00	03:39	03:04	03:15
10:00 AM	03:20	03:10	03:23	03:08	03:10	03:18	03:27	03:00	02:44	03:21	03:14	03:11
10:10 AM	03:12	02:56	03:18	03:07	03:08	03:07	03:27	03:05	02:46	03:21	03:26	03:10
10:20 AM	03:28	03:00	03:14	03:15	03:07	03:06	03:14	03:11	02:46	03:20	03:26	03:27
10:21 AM							03:06	03:06	02:43	02:54	03:16	03:07
10:30 AM	03:21	03:01	03:05	03:06	03:03	03:17	03:10	03:03	02:51	02:57	03:06	03:14
10:40 AM	03:19	03:04	03:00	03:00	03:04	03:09	03:30	02:58	02:58	02:51	03:07	03:07
10:50 AM	03:09	03:18	02:51	02:57	02:52	03:03	03:18	03:09	02:56	02:59	03:07	03:17
11:00 AM	03:00	03:08	03:15	02:58		03:10	03:04	03:07	03:02	03:02	03:00	03:11
11:10 AM	03:05	02:58	03:15	03:07	02:46	03:01	03:21	03:10	02:58	02:57	03:08	03:05
11:20 AM	03:00	03:14	03:00	03:00	03:02	03:05	03:05	03:10	02:53	03:03	03:04	03:08

ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:19	03:10	03:11	03:06	03:11	03:07	03:09	03:12	02:56	03:18	03:08	03:11
11:40 AM	03:08	03:03	02:56	02:55	02:58	03:05	03:26	03:12	03:04	03:10	03:04	03:07
11:50 AM	03:20	03:12	03:28	03:21	03:07	03:00	03:34	03:11	03:09	03:14	03:16	03:13
12:00 PM	03:13		03:12	03:27	03:21	03:14	03:15	03:06	02:57	03:07	03:14	03:21
12:10 PM	03:33	03:12	03:21	03:35	03:09	03:12	03:23	03:15	03:06	03:02	03:07	03:07
12:20 PM	03:11	03:15	03:16	03:30	03:22	03:40	03:20	03:15	03:02	03:08	03:17	03:01
12:30 PM	03:21	03:16	03:14	03:32	03:24	03:15	03:27	03:21	03:04	03:16	03:05	02:51
12:40 PM	03:21	02:52	03:07	03:11	03:07	03:09	03:24	03:15	02:56	03:16	03:24	02:57
12:50 PM	03:22	03:12	03:13	03:13	03:07	02:58	03:31	03:16	03:08	03:08	03:23	03:11
1:00 PM	03:09	03:22	03:04	03:02	03:00	03:35	03:36	03:05	02:47	03:11	03:10	03:02
1:10 PM	03:21	03:12	03:02	03:27	03:12	03:01	03:27	03:14	02:53	03:12	03:08	03:13
1:20 PM	03:22	02:59	03:06	03:13	02:58	03:09	03:35	03:16	03:01	03:03	03:04	03:11
1:30 PM	03:12	03:14	03:09	02:53	02:55	03:14	03:20	03:04	02:57	02:58	03:01	03:00
1:40 PM	03:07	03:18	02:58	03:46	02:54	03:24	03:22	03:20	02:52	03:00	03:12	03:11
1:50 PM	03:13	03:04	03:04	03:12	03:09	03:25	03:19	03:18	02:56	03:10	03:09	03:10
2:00 PM	03:05	03:17	03:01	03:03	03:08	02:58	03:26	03:14	02:52	03:17	03:26	03:17
2:10 PM	03:26	03:20	03:00	03:07	03:01	03:08	03:25	03:18	02:53	03:08	03:27	03:17
2:20 PM	03:01	03:15	03:18	03:08	03:10	03:14	03:13	03:05	03:03	03:05	03:12	03:32
2:30 PM	03:11	03:12	02:56	03:10	03:03	03:07	03:27	03:30	03:09	03:22	03:23	03:27
2:40 PM	03:18	03:22	03:18	03:28	03:09	03:06	03:10	03:22	03:02	03:08	03:34	03:36
2:50 PM	03:14	03:25	03:23	03:05	03:07	03:22	03:27	03:17	03:01	03:10	03:22	03:27
3:00 PM	03:19	03:12	03:06	03:13	03:17	03:24	03:35	03:30	02:58	03:21	03:27	03:26
3:10 PM	03:31	03:03	03:13	03:02	03:17	03:41	04:08	03:22	03:08	03:25	03:17	03:32
3:20 PM	03:11	03:23	03:12	02:51	03:31	03:41	03:33	03:12	03:07	03:24	03:09	03:08
3:30 PM	03:41	03:06	03:23	02:58	03:17	03:34	03:38	03:14	03:02	03:17	03:31	03:17
3:40 PM	03:11	03:23	03:25	03:17	03:11	03:20	04:59	03:13	03:10	03:02	03:15	03:24
3:50 PM	03:19	03:12	03:21	02:57	03:14	03:40	06:40	03:11	03:06	03:15	03:20	03:29
4:00 PM	03:05	03:23	03:14	03:04	03:03	04:06	06:37	03:37	02:56	03:13	03:15	03:23
4:10 PM	03:11	03:29	03:10	03:30	02:57	04:29	05:31	03:39	03:10	03:30	04:04	03:20
4:20 PM	03:18	03:27	03:12	03:17	03:08	05:11	05:01	03:22	03:03	03:28	03:39	03:21
4:30 PM	03:25	03:16	03:24	03:06	02:58	06:01	04:43	03:08	03:10	03:17	03:51	03:15
4:40 PM	03:33	03:28	03:15	03:12	03:10	06:28	04:22	03:00	03:00	03:20	03:40	03:37
4:41 PM	03:34						03:23	03:04	03:01	03:20	03:49	03:25
4:50 PM	03:11	03:27	03:41	03:26	03:13	06:10	04:06	03:19	03:37	03:29	04:12	03:51
5:00 PM	03:24	03:21	03:29	03:22	03:29	06:44	04:37	03:17	03:35	03:43	05:14	04:01
5:10 PM	03:42	03:51	03:37	03:58	03:47	09:08	05:04	03:10	03:29	04:03	05:03	03:48
5:20 PM	04:40	04:49	03:31	03:55	03:53	11:24	04:18	03:30	03:14	03:23	05:08	03:35
5:30 PM	04:47	03:48	03:09	04:17	04:07	10:11	03:26	03:16	03:17	03:22	03:53	03:43
5:40 PM	04:04	03:49	03:20	03:45	03:28	12:51	03:42	03:17	03:18	03:12	04:18	03:29
5:50 PM	03:48	03:22	03:21	03:25	03:33	11:35	03:27	03:12	03:09	03:25	03:56	03:06
6:00 PM	03:29	03:39	03:06	03:22	03:38	07:56	03:21	03:23	03:27	03:20	03:31	03:19
6:10 PM	03:44	03:26	02:58	03:26	03:13	05:26	03:22	03:17	02:59	03:17	03:23	03:19



ROUTE	Vista Sorrento Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	03:16	03:18	03:06	03:12	03:05	07:26	03:13	03:17	02:52	03:22	03:19	03:06
6:30 PM	03:11	03:28	02:59	03:20	03:25	06:51	03:12	03:03	02:56	03:03	03:08	03:02
6:40 PM	03:08	03:06	03:02	03:09	03:09	05:37	03:14	03:10	02:50	02:55	03:01	03:08
6:50 PM	03:06	03:05	03:02	03:13	03:18	04:08	03:17	03:02	02:51	02:57	03:07	03:04
7:00 PM	03:08	03:12	03:05	03:08	03:02	03:40	02:51	03:01	02:55	03:05	02:55	02:52
7:10 PM	02:55	03:12	02:59	03:00	02:55	03:27	02:59	03:00	02:51	03:01	03:02	02:51
7:20 PM	02:46	02:53	02:56	02:48	02:58	03:07	02:59	02:47	02:46	02:52	02:45	02:37
7:30 PM	03:05	02:54	02:52	02:43	03:04	03:11	03:08	02:44	02:44	03:02	02:44	02:46
7:40 PM	02:58	02:41	02:51	02:57	02:46	03:05	02:42	02:50	02:48	02:51	02:39	02:48
7:50 PM	02:53	02:31	02:40	02:42	02:41	03:09	02:47	02:50	02:41	02:46	02:41	02:46
8:00 PM	02:51	02:34	02:41	02:43	02:37	02:53	02:49	02:45	03:03	02:41	02:38	02:47
8:10 PM	02:48	02:43	02:36	02:43	02:31	02:47	02:43	02:45	02:44	02:41	02:34	02:35
8:20 PM	02:51	02:41	02:27	02:45	02:32	02:45	02:38	02:38	02:31	02:38	02:44	02:37
8:30 PM	02:44	02:36	02:33	02:40	02:28	02:38	02:40	02:29	02:27	02:40	02:39	02:26
8:40 PM	02:38	02:31	02:32	02:33	02:27	02:40						
8:50 PM	02:43	02:40	02:30	02:42	02:28	02:40						

Traction Probe Data Heatmap

ROUTE Vista Sorrento Pkwy SB

TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		02:39	02:25	02:40	02:51	02:42	02:40	02:29	02:46	02:51	02:39	02:41
5:20 AM		02:41	02:27	02:45	02:50	02:47	02:40	02:33	02:46	02:50	02:38	02:43
5:30 AM		02:41	02:27	02:48	02:40	02:53	02:39	02:29	02:50	02:45	02:48	02:45
5:40 AM		02:35	02:25	02:51	02:35	02:47	02:37	02:27	02:42	02:31	02:54	02:45
5:50 AM		02:42	02:27	02:50	02:34	02:43	02:38	02:27	02:39	02:31	02:45	02:47
6:00 AM		02:48	02:31	02:38	02:29	02:42	02:42	02:31	02:35	02:24	03:03	02:45
6:10 AM		02:30	02:35	02:36	02:36	02:40	02:45	02:31	02:29	02:31	02:50	02:35
6:20 AM		02:33	02:35	02:40	02:33	02:38	02:48	02:30	02:34	02:34	02:45	02:34
6:30 AM		02:35	02:35	02:31	02:40	02:41	02:41	02:42	02:32	02:38	02:43	02:33
6:40 AM		02:35	02:33	02:32	02:58	02:41	02:38	02:47	02:38	02:40	02:35	02:33
6:50 AM		02:45	02:33	02:49	02:48	02:35	02:35	02:45	02:47	02:31	02:35	02:27
7:00 AM		02:34	02:31	02:39	02:50	02:35	02:33	02:33	02:39	02:28	02:31	02:38
7:10 AM		02:35	02:28	02:33	02:46	02:31	02:33	02:37	02:42	02:23	02:29	02:44
7:20 AM		02:38	02:38	02:35	02:51	02:30	02:25	02:38	02:45	02:24	02:28	02:40
7:30 AM		02:41	02:37	02:34	02:33	02:44	02:28	02:28	02:50	02:30	02:36	02:38
7:40 AM		02:57	02:34	02:43	02:36	02:29	02:30	02:25	02:38	02:33	02:30	02:35
7:50 AM		03:00	02:41	02:44	02:42	02:33	02:42	02:29	02:34	02:33	02:38	02:50
8:00 AM		02:40	02:55	02:43	02:49	02:40	02:45	02:36	02:41	02:46	02:46	02:36
8:10 AM		03:00	02:46	02:48	02:43	02:42	02:50	02:55	02:46	02:48	02:44	02:44
8:20 AM		03:04	02:45	02:37	02:41	02:45	02:38	02:45	02:44	02:47	02:57	02:46
8:30 AM		03:02	02:43	02:40	02:43	02:53	02:43	02:56	02:42	03:08	02:50	02:38
8:40 AM		02:57	02:50	02:44	02:47	02:52	02:45	02:59	02:45	02:41	03:06	02:48
8:50 AM		03:00	02:55	03:03	02:46	02:43	02:54	02:54	02:39	02:56	03:00	02:59
9:00 AM		02:55	02:59	02:56	03:04	02:46	02:51	02:53	02:55	02:36	02:52	02:42
9:10 AM		02:55	02:54	02:47	02:48	03:00	02:48	02:46	02:43	02:50	02:48	02:46
9:20 AM		03:04	03:04	03:02	03:03	03:03	02:47	02:58	02:54	02:51	03:01	03:06
9:30 AM		02:52	03:07	02:43	02:48	02:48	02:43	02:37	03:09	02:46	02:45	02:54
9:40 AM		02:52	03:01	02:46	02:46	02:49	02:44	02:50	03:00	02:47	02:58	02:48
9:50 AM		02:44	02:59	02:37	02:58	02:50	03:12	02:46	02:58	02:50	02:46	02:38
10:00 AM		02:38	02:49	02:39	02:44	02:53	02:47	02:41	02:45	02:46	02:53	02:45
10:10 AM		02:52	02:41	02:50	02:48	02:45	02:39	02:40	02:45	02:40	02:41	02:49
10:20 AM		02:40	02:55	02:47	02:41	02:44	02:46	02:46	02:48	02:42	02:39	02:36
10:21 AM								02:48				
10:30 AM		02:41	03:01	02:55	02:53	02:54	02:42	02:42	02:56	03:03	02:39	02:42
10:40 AM		02:40	02:37	02:43	02:52	02:47	02:35	02:45	02:43	03:06	02:56	02:46
10:50 AM		02:41	02:47	02:52	02:31	03:18	02:46	02:34	02:44	02:47	03:01	02:44
11:00 AM		02:47	02:45	02:53	02:31	03:01	02:43	02:41	02:39	02:39	02:56	02:44
11:10 AM		02:42	03:04	02:49	02:38	02:55	02:44	02:35		02:39	03:01	02:45
11:20 AM		02:39	03:15	02:51	02:41	03:04	02:46	02:43	02:45	02:42	03:03	02:38



ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		02:50	02:45	02:40	02:38	03:13	02:44	02:35	02:58	02:50	02:57	02:36
11:40 AM		02:50	03:05	02:48	02:45	02:48	02:56	03:04	02:54	02:54	02:58	02:46
11:50 AM		02:58	02:44	02:54	02:54	02:50	02:42	02:56	02:51	02:45	02:50	02:48
12:00 PM		02:59	02:59	02:55	03:05	03:01	03:04	02:48	02:56	02:54	02:57	03:01
12:10 PM		03:15	02:52	02:58	03:09	02:51	03:15	03:01	02:54	03:05	02:48	02:57
12:20 PM		03:02	02:55	02:46	02:59	02:59	02:56	02:53	02:48	02:59	02:52	03:07
12:30 PM		03:10	02:49	02:46	03:05	02:52	03:06	02:56	02:58	02:58	02:45	02:56
12:40 PM		03:19	02:58	02:49	02:57	02:46	02:53	02:58	02:52	02:51	02:54	03:01
12:50 PM		03:14	03:02	03:00	02:54	02:50	03:00	02:49	03:03	03:13	02:58	02:52
1:00 PM		03:14	03:02	02:45	03:04	02:54	03:14	03:57	02:46	02:53	02:53	02:50
1:10 PM	02:57	03:18	02:53	02:48	02:51	02:55	03:03	03:05	02:38	03:00	03:08	02:50
1:20 PM	02:50	02:56	02:49	02:50	02:52	02:49	02:44	02:47	02:45	02:46		02:34
1:30 PM	02:55	02:48	02:45	02:42	02:50	02:46	02:52	02:42	02:43	02:49	02:49	02:50
1:40 PM	02:49	02:57	02:44	02:51	02:54	02:51	02:49	03:05	02:58	02:55	02:59	02:52
1:50 PM	02:51	02:49	02:48	02:56	03:01	02:58	02:48	02:52	03:12	02:51	02:55	02:46
2:00 PM	02:37	02:51	02:44	02:54	02:54	02:40	02:45	02:55	03:09	02:49	02:34	02:45
2:10 PM	02:54	02:52	02:46	02:46	03:00	02:50	02:52	03:03	03:08	02:47	02:52	02:47
2:20 PM	02:51	03:25	03:04	02:37	02:52	02:50	02:43	02:50	03:24	02:51	02:52	02:41
2:30 PM	02:45	03:02	03:09	02:53	02:52	03:20	02:46	02:49	03:40	02:52	02:48	02:48
2:40 PM	03:06	03:14	03:39	03:08	02:55	03:08	03:02	02:52	04:01	02:53	03:06	02:50
2:50 PM	03:08	03:17	03:27	03:23	03:05	02:48	03:10	03:01	03:38	02:48	02:49	02:49
3:00 PM	02:42	02:55	03:13	02:59	03:12	02:49	02:50	02:53	03:43	02:59	02:49	02:45
3:10 PM	02:50	03:06	02:51	02:45	03:04	02:57	02:49	02:48	03:41	02:54	03:16	02:48
3:20 PM	03:01	02:59	03:02	02:59	03:08	03:04	02:53	02:53	04:31	02:50	02:56	02:43
3:30 PM	02:57	02:52	02:44	03:00	03:23	02:50	02:59	02:44	04:11	02:57	02:59	02:46
3:40 PM	02:53	02:49	03:01	02:56	03:14	02:52	03:06	02:45	04:19	03:02	02:53	03:00
3:50 PM	03:01	02:53	03:08	03:00	03:32	03:03	02:44	02:50	03:57	02:42	03:01	02:38
4:00 PM	03:00	02:36	02:53	02:46	03:27	02:41	02:50	02:52	04:17	02:46	02:51	02:57
4:10 PM	03:06	02:47	03:11	03:22	03:22	02:53	02:53	03:02	04:35	02:56	02:52	02:52
4:20 PM	02:50	03:05	03:00	03:35	03:16	02:47	02:38	03:02	05:31	02:42	02:50	03:22
4:30 PM	03:02	02:39	03:19	03:04	03:08	02:46	03:09	03:15	05:25	02:48	02:54	02:46
4:40 PM	02:51	02:54	03:02	03:14	03:19	02:55	02:59	03:09	04:51	02:40	03:21	02:59
4:41 PM												
4:50 PM	03:07	02:57	03:18	03:16	03:12	02:57	03:08	03:23	04:48	02:46	02:59	02:50
5:00 PM	02:55	03:03	03:20	03:10	03:23	02:51	03:05	03:21	06:42	02:56	03:12	03:12
5:10 PM	03:22	03:25	03:41	03:40	03:31	03:21	03:13	03:19	05:06	03:10	03:34	03:42
5:20 PM	02:56	03:33	03:30	03:17	03:32	03:05	02:58	03:26	05:09	02:59	03:48	03:34
5:30 PM	03:06	03:12	03:33	03:15	03:35	03:11	03:00	03:19	05:31	03:23	03:12	03:47
5:40 PM	03:00	03:30	03:19	03:13	03:25	03:04	03:07	03:07	06:04	03:01	03:15	03:29
5:50 PM	03:03	03:12	03:45	03:09	03:13	03:06	03:12	03:10	05:45	02:53	03:09	03:16
6:00 PM	02:43	03:11	03:15	03:09	03:14	02:52	02:58	03:13	04:41	02:51	03:20	03:07
6:10 PM	02:47	03:17	03:22	03:04	03:06	02:47	03:06	03:12	04:36	02:44	03:01	03:12

ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	03:05	03:07	03:05	03:02	03:07	02:47	02:54	03:05	03:55	03:08	02:54	03:07
6:30 PM	03:02	03:13	03:04	03:09	02:48	02:52	02:47	02:58	04:30	02:38	02:56	02:54
6:40 PM	02:43	03:01	03:10	02:49	02:52	02:53	02:48	02:49	03:48	02:55	02:46	02:44
6:50 PM	02:44	03:04	02:55	02:39	02:42	02:56	02:55	02:52	03:49	02:59	02:37	02:48
7:00 PM	02:51	03:07	02:57	02:50	02:39	02:46	02:50	02:52	03:17	02:49	02:51	02:47
7:10 PM	02:51	03:08	03:15	02:46	02:54	02:39	02:50	02:54	02:59	02:49	02:49	02:58
7:20 PM	02:48	02:46	02:36	02:51	02:46	02:50	02:49	02:50	03:04	02:43	02:50	02:46
7:30 PM	02:56	02:43	02:36	02:48	02:45	02:43	02:48	02:59	02:53	02:38	02:48	02:57
7:40 PM	02:49	02:42	02:36	02:45	02:53	02:48	02:48	03:04	02:44	02:38	02:39	02:44
7:50 PM	02:43	02:38	02:30	02:37	02:59	02:46	02:39	02:54	02:52	02:43	02:38	02:52
8:00 PM	02:41	02:38	02:41	02:46	02:52	02:46	02:37	02:36	02:48	02:32	02:41	02:37
8:10 PM	02:49	02:31	02:37	02:52	02:46	02:42	02:39	02:34	02:35	02:33	02:42	02:53
8:20 PM	02:38	02:40	02:59	02:48	02:48	02:51	02:35	02:45	02:47	02:39	02:47	02:42
8:30 PM	02:48	02:43	02:40	02:44	02:39	02:41	02:40	02:38	03:03	02:46	02:35	02:36
8:40 PM	02:52	02:51	02:38	02:47	02:24	02:40	02:35	02:40	02:48	02:39	02:35	02:41
8:50 PM	02:56	02:54	02:42	02:54	02:33	02:39	02:36	02:50	02:51	02:40	02:28	02:45

Traction Probe Data Heatmap												
ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	02:32	02:46	02:51	02:44	02:47	02:32	02:46	02:48	02:40	02:42	02:36	02:44
5:20 AM	02:32	02:46	02:50	02:44	02:44	02:26	02:46	02:48	02:40	02:42	02:35	02:44
5:30 AM	02:24	02:53	02:44	02:49	02:47	02:25	02:52	02:46	02:46	02:44	02:33	02:48
5:40 AM	02:27	02:45	02:34	02:46	02:46	02:28	02:43	02:43	02:56	02:44	02:33	02:43
5:50 AM	02:27	02:41	02:36	02:46	02:40	02:29	02:47	02:40	02:59	02:44	02:33	02:43
6:00 AM	02:20	02:45	02:27	02:45	02:48	02:29	02:39	02:36	02:58	02:44	02:34	02:41
6:10 AM	02:19	02:41	02:32	02:41	02:40	02:23	02:37	02:41	02:49	02:40	02:28	03:05
6:20 AM	02:26	02:33	02:34	02:42	02:36	02:31	02:39	02:42	02:44	02:34	02:26	02:57
6:30 AM		02:24	02:33	02:34	02:37	02:28	02:39	02:44	02:37	02:33	02:37	02:46
6:40 AM	02:26	02:40	02:34	02:29	02:23	02:26	02:45	02:45	02:39	02:38	02:30	02:41
6:50 AM	02:31	02:25	02:28	02:26	02:22	02:34	02:36	02:42	02:37	02:41	02:27	02:29
7:00 AM	02:32	02:24	02:51	02:52	02:35	02:33	02:49	02:52	02:43	02:42	02:28	02:28
7:10 AM	02:34	02:41	02:51	02:34	02:25	02:34	02:55	03:17	02:25	02:33	02:35	02:41
7:20 AM	02:36	02:41	02:47	02:41	02:27	02:36	02:40	02:42	02:27	02:34	02:48	02:34
7:30 AM	02:45	02:34	02:40	02:36	02:31	02:25	02:45	02:39	02:22	02:42	02:50	02:26
7:40 AM	02:38	02:42	02:46	02:39	02:36	02:38	02:44	02:51	02:42	02:37	02:45	02:41
7:50 AM	02:46	02:38	02:37	02:46	02:34	02:34	02:41	02:59	02:37	02:42	02:49	02:42
8:00 AM	02:36	02:42	02:47	03:00	02:45	02:42	02:44	02:43	02:53	02:52	02:51	02:34
8:10 AM	02:39	02:42	02:51	02:47	02:46	02:34	02:42	02:58	03:01	02:57	02:55	02:42
8:20 AM	02:43	03:05	03:35	02:45	02:48	02:41	02:47	02:44	02:49	02:48	03:05	02:47
8:30 AM	02:40	02:53	02:58	02:57	02:50	03:08	02:46	02:44	02:57	02:52	03:01	03:05
8:40 AM	02:43		02:55	02:45	03:10	03:03	02:46	02:49	02:58	02:47	02:46	02:39
8:50 AM	02:54	03:11	03:10	02:58	03:06	03:09	02:40	02:52	02:58	02:55	02:50	02:51
9:00 AM	02:59	02:51	03:12	02:58	03:14	02:43	02:52	02:38	02:56	02:53	02:52	02:49
9:10 AM	03:01	02:49	03:28	03:04	03:03	02:48	03:04	02:41	02:42	02:47	02:39	02:55
9:20 AM	03:00	02:50	02:59	02:57	02:53	02:45	02:55	02:47	02:49	02:44	02:46	02:57
9:30 AM	02:52	02:50	02:59	03:00	03:00	02:44	03:07	02:46	03:00	03:00	02:51	02:49
9:40 AM	02:42	02:56	02:48	02:57	02:41	02:58	03:03	03:02	02:43	02:43	02:49	03:05
9:50 AM	03:01	02:55	02:34	02:50	02:52	03:03	03:29	02:45	02:53	02:42	02:55	04:15
10:00 AM	02:55	03:06	02:42	02:51	02:37	03:06	03:06	02:44	02:53	02:41	02:57	02:47
10:10 AM	02:48	02:52	02:36	02:39	02:54	03:02	02:59	02:55	02:51	02:58	02:44	02:53
10:20 AM	02:55	02:56	02:40	02:58	02:50	02:48	03:02	02:45	02:53	02:40	02:53	02:39
10:21 AM							02:52	02:41	02:57	03:01	02:55	02:55
10:30 AM	02:49	02:43	02:36	03:12	03:05	02:37	03:01	02:54	02:48	02:46	03:17	02:50
10:40 AM	03:11	02:52	02:46	02:55	02:53	02:43	02:52	02:35	02:54	02:36	02:54	03:08
10:50 AM	03:04	02:43	02:39	02:49	02:47	02:44	02:45	02:51	02:44	02:46	02:51	02:52
11:00 AM	03:08	03:05	02:38	03:07		02:46	02:51	03:07	02:55	02:41	02:48	02:54
11:10 AM	02:54	02:37	02:42	02:45	02:55	02:55	02:55	03:06	02:48	02:54	02:46	02:57
11:20 AM	02:56	02:49	02:38	02:45	02:57	02:40	03:03	03:02	02:52	02:37	02:55	03:07

ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	03:11	03:00	02:50	02:30	02:42	03:04	02:56	03:00	02:53	03:00	03:03	02:44
11:40 AM	02:47	02:48	03:00	02:39	02:48	03:02	03:03	03:02	02:49	03:02	03:03	03:10
11:50 AM	03:01	02:53	02:54	02:47	02:50	02:56	03:07	02:56	02:51	02:56	03:17	02:58
12:00 PM	02:39	02:39	03:12	02:55	02:58	03:02	03:00	02:56	02:45	02:53	02:59	03:02
12:10 PM	03:03	02:48	03:00	02:57	02:56	02:58	03:02	03:03	02:43	03:01	02:57	03:05
12:20 PM	03:01	03:14	02:54	02:51	03:15	02:51	02:57	02:59	02:41	03:08	03:06	03:12
12:30 PM	02:48	03:07	03:03	03:09	02:56	02:59	03:03	03:06	03:04	03:04	03:07	02:55
12:40 PM	02:55	02:51	03:03	02:53	02:43	02:58	02:47	03:06	03:03	02:54	03:03	02:58
12:50 PM	03:00	03:00	03:01	02:57	02:47	03:07	02:50	03:03	02:43	03:09	03:02	02:59
1:00 PM	02:53	03:02	02:57	02:47	02:50	02:58	02:44	02:49	02:37	02:55	03:04	02:48
1:10 PM	02:56	02:50	02:54	02:44	02:46	02:51	02:40	02:59	02:43	02:57	03:03	02:55
1:20 PM	02:50	02:50	02:45	02:47	03:01	02:41	02:55	02:54	02:35	02:52	02:53	02:57
1:30 PM	02:41	02:51	02:54	03:03	02:43	03:01	02:52	02:41	02:38	02:45	02:54	03:04
1:40 PM	02:48	03:03	02:49	02:56	02:41	03:16	02:54	02:53	02:43	02:41	02:59	02:45
1:50 PM	02:42	02:51	02:51	02:44	02:44	03:27	02:55	02:56	02:44	02:45	02:53	02:47
2:00 PM	02:50	02:48	02:57	02:40	02:59	03:15	03:03	02:55	02:56	03:03	03:03	02:56
2:10 PM	02:59	02:43	02:54	02:58	02:59	03:15	02:51	03:03	03:01	03:00	02:56	02:59
2:20 PM	02:49	02:58	02:52	03:26	03:04	03:06	03:10	02:53	02:47	03:01	02:54	03:18
2:30 PM	02:50	03:02	02:49	03:14	03:33	03:00	03:47	02:57	02:53	03:07	02:57	03:03
2:40 PM	03:08	03:10	03:24	03:25	03:12	03:09	02:54	02:55	02:57	03:11	03:05	03:19
2:50 PM	03:04	03:01	03:02	03:09	02:56	03:25	02:54	02:52	02:59	02:46	03:09	03:13
3:00 PM	02:59	03:02	03:01	02:56	03:20	03:17	03:13	02:50	02:56	02:46	03:04	03:24
3:10 PM	02:55	03:11	02:51	02:45	03:07	03:13	03:30	02:59	02:54	03:07	02:48	03:09
3:20 PM	03:05	02:57	03:03	02:47	03:03	03:23	03:05	03:08	03:03	03:06	02:51	03:03
3:30 PM	02:58	03:04	03:09	02:56	02:56	03:11	03:41	03:08	02:49	03:06	03:09	03:11
3:40 PM	02:55	03:16	02:57	02:49	02:45	03:12	03:24	02:59	02:50	03:01	03:04	03:10
3:50 PM	03:01	03:02	03:12	03:10	03:02	03:27	03:13	03:23	02:57	03:04	03:07	03:01
4:00 PM	02:53	02:58	03:23	02:46	03:04	03:22	04:06	03:07	02:51	02:58	03:21	03:07
4:10 PM	02:52	03:25	03:10	02:56	03:01	04:13	04:17	03:07	02:34	02:56	03:07	02:58
4:20 PM	03:14	03:06	02:55	03:10	02:42	04:28	03:12	02:47	02:45	03:00	02:47	02:45
4:30 PM	03:06	02:57	02:56	02:53	02:47	05:05	03:19	03:00	02:54	03:08	03:27	02:55
4:40 PM	03:05	03:28	02:54	02:55	02:49	05:22	03:02	03:01	03:08	02:54	03:27	03:08
4:41 PM	03:04						03:14	02:57	02:59	03:22	03:35	03:12
4:50 PM	03:04	03:21	03:26	02:47	02:56	05:27	04:31	03:09	03:15	03:47	03:51	03:10
5:00 PM	03:13	03:48	03:14	02:52	02:50	04:12	03:50	03:04	02:56	03:31	03:54	03:16
5:10 PM	03:21	03:28	03:20	03:24	03:12	04:38	03:17	03:09	02:48	03:29	03:26	03:22
5:20 PM	03:16	03:45	03:41	03:47	03:01	05:15	03:20	02:52	02:54	03:16	03:30	03:11
5:30 PM	03:19	04:22	03:18	03:22	03:09	05:34	03:04	02:53	02:48	03:18	03:29	03:06
5:40 PM	03:09	03:30	03:04	03:08	02:59	06:26	03:19	02:51	02:51	03:16	03:25	03:15
5:50 PM	03:10	03:40	03:03	02:56	02:56	04:38	03:32	03:04	02:58	03:01	03:12	03:10
6:00 PM	03:05	03:20	02:54	02:55	03:09	03:48	03:22	03:04	02:58	02:59	03:27	03:08
6:10 PM	03:03	03:34	02:53	02:56	02:56	03:57	03:04	03:03	02:46	03:03	02:53	03:08

ROUTE	Vista Sorrento Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	02:58	03:17	02:43	02:48	03:05	03:29	02:51	02:58	02:41	02:42	02:56	02:53
6:30 PM	03:07	03:09	02:56	02:54	02:50	03:12	02:45	03:03	02:48	02:49	02:54	02:59
6:40 PM	02:54	03:03	03:00	02:56	02:52	03:18	03:03	02:54	03:00	02:54	02:55	02:57
6:50 PM	02:53	03:06	02:49	02:56	02:46	03:08	02:57	02:56	02:51	02:53	03:01	03:13
7:00 PM	02:42	03:06	02:38	02:51	02:47	03:08	03:00	02:56	02:48	02:46	02:56	02:52
7:10 PM	02:44	02:50	02:37	02:48	02:48	03:01	02:57	02:57	02:41	02:44	02:59	02:45
7:20 PM	02:44	02:52	02:39	02:46	02:49	03:12	02:50	02:42	02:37	02:41	03:01	02:47
7:30 PM	02:46	02:59	02:49	02:38	02:46	03:00	02:44	02:37	02:35	02:42	02:44	02:45
7:40 PM	02:53	02:55	02:48	02:35	02:44	02:49	02:53	02:31	02:26	02:41	02:41	02:46
7:50 PM	02:38	02:55	02:45	02:41	02:47	02:54	02:39	02:34	02:27	02:54	02:46	02:37
8:00 PM	02:41	02:53	02:44	02:45	02:42	02:54	02:42	02:35	02:33	02:47	02:53	02:32
8:10 PM	02:42	02:45	02:45	02:45	02:37	02:41	02:36	02:41	02:31	02:52	02:42	02:32
8:20 PM	02:38	02:45	02:45	02:40	02:34	02:58	02:30	02:36	02:40	02:50	02:50	02:41
8:30 PM	02:35	02:44	02:40	02:36	02:42	02:47	02:27	02:40	02:43	02:56	02:51	02:42
8:40 PM	02:35	02:38	02:45	02:29	02:35	02:46						
8:50 PM	02:38	02:38	02:41	02:29	02:37	02:47						



Traction Probe Data Heatmap

ROUTE												
Westview Pkwy NB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		04:19	04:05	03:47	03:26	03:44	04:09	03:32	03:46	03:31	03:44	03:52
5:20 AM		04:16	04:09	03:48	03:24	03:50	04:07	03:35	03:39	03:31	03:45	03:48
5:30 AM		04:03	03:49	03:47	03:29	03:52	03:47	03:39	03:30	03:23	03:52	03:36
5:40 AM		04:04	03:44	03:56	03:49	03:57	03:44	03:45	03:28	03:34	03:59	03:35
5:50 AM		03:56	03:44	03:39	03:51	03:54	03:42	03:45	03:27	03:34	03:59	03:28
6:00 AM		04:05	03:51	03:48	03:58	03:52	04:05	03:56	03:41	03:43	04:03	03:49
6:10 AM		04:11	04:01	03:50	04:25	03:58	03:56	04:07	03:47	03:48	04:14	03:46
6:20 AM		04:11	04:03	03:55	04:48	03:59	04:19	03:56	03:49	03:50	04:09	03:57
6:30 AM		04:12	04:06	04:14	04:32	04:03	03:54	04:08	04:00	03:59	04:18	04:10
6:40 AM		04:18	04:05	04:28	04:46	04:25	04:10	04:10	04:34	04:12	04:15	04:03
6:50 AM		04:46	04:04	04:10	04:47	04:14	04:01	04:14	04:13	04:37	04:19	04:21
7:00 AM		04:22	04:22	04:24	04:40	04:22	04:06	05:08	04:10	04:59	04:34	05:00
7:10 AM		04:23	04:18	04:37	04:44	04:16	04:16	04:24	04:42	04:40	04:21	04:46
7:20 AM		05:14	04:54	05:14	04:48	04:29	05:12	05:05	04:10	05:10	04:40	05:45
7:30 AM		05:00	04:33		04:36	05:06	05:06	04:45	05:02	04:19	04:44	05:01
7:40 AM		05:02	04:38	05:09	04:30	05:24	05:51	05:29	04:45	04:30	04:38	05:16
7:50 AM		06:00	04:34	04:56	04:33	04:38	05:06	04:32	04:42	04:49	04:44	05:25
8:00 AM		05:16	04:24	04:39	04:56	05:54	04:42	04:50	04:21	04:19	04:49	06:01
8:10 AM		04:17	04:23	04:17	04:33	04:49	04:25	04:29	04:21	05:15	04:44	05:16
8:20 AM		04:23	05:35	04:11	04:20	04:30	05:24	04:21	04:18	05:16	04:27	05:06
8:30 AM		05:39	04:49	04:14	04:31	04:23	04:54		04:41	05:02	04:26	04:41
8:40 AM		05:05	05:22	04:45	04:44	04:25	04:36	04:43	04:31	04:30	04:21	05:18
8:50 AM		06:11	05:04	04:10	04:51	04:59	04:39	04:54	04:34	05:26	04:24	04:45
9:00 AM		06:42	04:07		04:28	04:34	04:29	05:02	04:07	05:13	04:33	04:27
9:10 AM		05:11	04:53	04:08	04:48	04:55	05:30	04:32	04:16	04:45	04:24	04:37
9:20 AM		04:15	04:45	04:03	05:14	04:37	05:23	04:27	04:17	04:53	04:20	04:29
9:30 AM		04:09	04:32	04:05	04:45	04:31	05:03	04:06	04:26	04:25	04:36	04:49
9:40 AM		04:08	04:10	04:36	05:02	04:20	05:41	04:15	04:19	04:32	04:54	04:35
9:50 AM		04:11	04:30	04:23	04:53	04:19	05:23	04:42	04:17	04:34	05:22	04:45
10:00 AM		04:06	04:19	04:39	04:40	04:09	04:38	05:15	04:39	04:29		04:46
10:10 AM		04:36	04:25	04:32	04:48	04:21	04:51	04:27	05:06	04:21	05:50	04:32
10:20 AM		04:41	04:41	04:40	04:45	04:17	04:59	04:24	04:46	04:56	05:10	04:30
10:21 AM								04:28				
10:30 AM		04:45	04:32	04:57	04:32	04:14	04:51	04:52	04:43	04:44	05:10	04:26
10:40 AM		05:03	04:14	04:38	04:42	04:33	04:39	04:36	04:46	05:06	04:35	04:26
10:50 AM		05:05	04:31	04:54	04:35	04:27	04:39	04:48	04:28	04:42	04:54	04:51
11:00 AM		05:01	04:21	05:32	05:38	04:22	04:21	05:01	04:32	04:30	04:42	04:49
11:10 AM		05:16	04:21	05:14	05:26	05:42	04:45	04:53		04:31	04:21	05:07
11:20 AM		04:52	04:25	05:01	05:01	05:15	05:16	04:33	04:39	04:25	04:22	04:55

ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		04:29	04:27	04:48	05:07	04:59	05:05	04:29	04:32	04:08	04:59	04:44
11:40 AM		04:28	04:21	05:16	05:03	04:44	05:09	04:22	04:25	04:44	05:06	04:21
11:50 AM		04:19	04:33	05:45	04:26	04:33	04:34	04:21	04:48	05:08	04:44	04:50
12:00 PM		04:20	04:25	04:31	04:20	04:51		04:31	04:51	05:22	04:58	04:31
12:10 PM		04:15	04:47	04:26	04:37	04:46	05:01	04:53	04:49	04:44	05:00	05:18
12:20 PM		04:16	05:01	04:32	04:45	04:44	04:32	04:49	06:00	05:02	05:26	06:38
12:30 PM		04:51	04:18	04:29	04:42	04:45	04:54	04:53	04:47	05:01	05:10	05:52
12:40 PM		04:51	04:31	05:18	05:07	04:41	05:06	05:14	04:37	05:26	04:42	04:56
12:50 PM		05:00	04:43	05:28	04:59	05:32	04:29	04:47	05:27	05:23	04:55	04:14
1:00 PM		05:09	05:01	06:19	05:01	05:06	04:22	04:51	05:26	05:32	04:27	04:42
1:10 PM	05:41	04:56	05:21	05:42	05:27	05:06	04:32	05:18	04:54	05:15	04:18	05:06
1:20 PM	05:14	05:31	05:31	05:15	06:00	04:31	04:36	05:29	04:57	04:49		05:04
1:30 PM	05:15	05:14	05:12	05:22	04:37	04:36	05:12	05:01	04:46	05:32	04:36	04:58
1:40 PM	05:56	04:54	04:58	04:47	05:32	04:37	05:13	04:57	04:44	04:52	04:36	05:24
1:50 PM	04:58	04:43	05:10	04:43	04:56	04:31	05:33	04:55	04:45	04:25	04:39	05:22
2:00 PM	04:23	04:35	05:17	05:03	05:03	04:40	05:12	04:47	04:45	05:32		05:11
2:10 PM	04:40	04:20	04:53	04:50	04:57	05:15	04:58	05:11	04:40	05:42	05:04	04:44
2:20 PM	04:18	04:29	05:12	04:39	04:55	05:29	05:01	05:01	04:47	05:04	04:49	06:38
2:30 PM	04:28	04:46	05:30	04:40	05:09	05:25	04:49	04:33	05:54	06:08	04:52	05:59
2:40 PM	04:46	04:47	05:03	04:17	05:05	05:51	05:01	04:32	05:10	05:07	05:13	05:37
2:50 PM	04:43	04:30	05:35	04:17	06:26	04:53	04:41	04:33	05:33	06:33	04:50	05:16
3:00 PM	04:37	04:39	05:28	04:33		04:46	04:32		05:36	05:26	05:26	05:14
3:10 PM	04:29	04:44	04:31	04:35	05:13	04:37	04:27	04:35	04:52	05:15	04:31	04:50
3:20 PM	04:48	04:46	04:22	04:43	05:01	04:55	04:55	04:51	05:08	05:08	04:20	05:27
3:30 PM	06:14	04:33	04:45	04:19	05:17	04:45	05:11	04:22	04:43	06:40	04:31	04:33
3:40 PM	06:31	04:34	04:29	04:30	05:01	04:43	04:37	04:18	04:42	05:53	04:47	04:26
3:50 PM	06:16	04:39	04:44	04:25	04:50	04:31	05:13	04:54	04:55	04:30	04:54	04:53
4:00 PM	04:50	05:07	04:53	04:25	04:37	04:28	04:32	04:50	05:07	05:36	04:39	05:07
4:10 PM	05:01	05:06	05:03	04:38	04:25	04:35	04:47	05:05	04:52	04:56	04:39	05:08
4:20 PM	04:51	04:36	04:21	04:34	04:26	04:40	04:51	05:30	05:07	05:43	04:23	04:33
4:30 PM	04:54	04:44	04:34	04:29	04:42	04:52	04:46	04:46	05:49	05:15	04:42	05:12
4:40 PM	05:03	05:07	04:37	04:48	04:32	04:33	04:46	04:45	04:47	04:49	05:14	05:21
4:41 PM												
4:50 PM	04:52	05:31	04:50	04:49	04:24	04:47	05:33	05:01	05:07	04:49	04:42	05:58
5:00 PM	04:30	04:42	04:22	05:25	04:33	04:57	04:57	05:18	05:17	05:02	04:56	05:00
5:10 PM	04:51	04:52	04:49	05:53	04:45	05:48	04:53	05:05	05:05	04:49	04:32	04:55
5:20 PM	04:55	05:53	05:15	05:28	05:55	05:27	05:27	05:41	05:56	04:50	05:48	05:17
5:30 PM	04:59	05:45	05:26	05:22	04:46	04:48	05:17	04:44	05:38	04:43	05:50	04:53
5:40 PM	05:51	05:45	05:26	05:36	05:32	06:13	04:51	05:01	05:36	06:26	05:44	05:43
5:50 PM	05:20	05:28	04:36	05:08	05:34	05:55	04:47	04:55	06:39	04:51	05:43	04:54
6:00 PM	05:21	05:06	04:49	05:19	05:02	05:33	04:56	04:55	05:39	05:24	05:22	05:47
6:10 PM	05:08	04:54	04:55	06:02	05:47	05:18	05:02	04:55	05:06	05:20	05:20	05:05



ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	05:18	05:07	04:55	05:15	05:22	05:11	06:21	04:49	04:59	05:26	04:44	05:04
6:30 PM	06:07	05:03	05:29	04:42	05:14	05:27	06:45	05:38	04:52	04:56	05:37	04:43
6:40 PM	04:58	05:20	06:03	04:31	05:35	05:26	05:38	05:47	04:53	05:11	04:57	04:54
6:50 PM	04:38	05:19	04:49	05:38	06:13	05:00	05:14	05:37	04:55	06:01	05:35	05:58
7:00 PM	06:04	05:15	04:36	05:13	04:49	05:21	05:27	04:43	05:52	05:38	05:46	05:25
7:10 PM	05:21	05:12	04:48	04:58	04:59	05:37	05:19	04:48	05:10	05:04	04:52	05:07
7:20 PM	06:00	04:47	05:30	04:36	04:46	04:55	05:09	04:53	04:48	05:03	04:38	05:16
7:30 PM	05:24	05:04	05:10	04:54	04:48	04:44	05:01	04:56	05:20	04:42	05:05	05:05
7:40 PM	04:48	04:51	05:17	05:18	04:38	04:55	04:50	04:35	04:47	04:39	05:09	04:51
7:50 PM	04:29	04:45	05:22	05:08	04:55	04:24	05:00	04:58	04:42	05:15	04:42	05:10
8:00 PM	04:30	04:23	04:26	04:42	04:51	04:18	04:49	04:40	04:35	04:50	04:44	04:38
8:10 PM	04:30	04:32	04:23	04:27	04:42	04:22	04:30	04:17	04:21	04:37	04:18	05:03
8:20 PM	04:22	04:52	04:14	04:46	04:53	04:36	04:48	04:28	04:35	04:51	05:01	04:32
8:30 PM	04:28	05:12	04:21	04:44	04:39	04:27	04:43	05:17	04:29	06:06	05:04	04:32
8:40 PM	04:14	04:47	04:25	04:16	04:29	05:05	04:40	05:45	04:16	05:27	04:46	05:01
8:50 PM	04:20	04:23	04:36	04:14	04:31	04:57	04:25	04:52	04:22	04:21	04:16	04:39

	Traction Probe Data Heatmap											
ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	03:49	03:47	03:24	03:45	03:50	03:41	03:50	03:24	03:42	04:03	03:31	03:43
5:20 AM	04:13	03:49	03:27	03:52	03:51	03:45	03:52	03:24	03:45	04:05	03:30	03:42
5:30 AM	04:24	03:37	03:30	03:57	03:42	03:46	03:41	03:30	03:48	03:54	03:40	03:40
5:40 AM	04:36	03:39	03:41	04:15	03:41	03:55	03:37	03:35	04:04	03:45	03:37	03:40
5:50 AM	04:06	03:35	03:46	04:17	03:43	03:54	03:36	03:36	04:06	03:46	03:38	03:44
6:00 AM	04:16	03:49	03:57	04:03	04:00	04:05	03:48	03:49	04:02	03:56	03:47	03:44
6:10 AM	04:18	03:45	04:12	04:15	04:05	04:02	03:48	04:10	04:06	04:09	03:55	03:51
6:20 AM	04:04	03:40	04:12	04:11	04:06	04:04	03:49	04:09	04:07	04:10	03:49	04:38
6:30 AM		03:49	04:18	04:05	04:12	04:02	04:19	04:30	04:04	04:05	03:55	04:36
6:40 AM	03:59	04:05	04:25	04:20	04:24	04:09	04:18	04:27	03:57	04:39	03:58	04:38
6:50 AM	05:26	05:06	04:40	04:43	04:05	04:49	04:20	04:24	04:03	04:06	04:13	04:25
7:00 AM	04:09	04:47	04:12	04:08	04:12		04:29	04:26	04:10	04:26	04:09	05:12
7:10 AM	04:15	04:39	04:10	04:14	04:37	04:20	04:24	05:04	04:16	04:31	04:27	05:23
7:20 AM	04:38	04:49	04:38	04:23	04:28	04:17	04:28	05:31	04:28	04:28	04:34	04:24
7:30 AM	04:44	04:36		04:30	04:25	04:17	04:36	04:17	04:13	04:26	04:37	04:46
7:40 AM	04:25	04:51	04:58	04:33	05:30	05:44	04:41	04:30	04:16	04:30	05:06	04:50
7:50 AM	05:35	05:18	05:01	05:22	05:18	05:24	04:56	04:47	04:10	04:27	04:57	04:31
8:00 AM	04:57	05:06	04:46	05:28	05:33	04:34	04:58	05:08	03:55	04:40	04:51	04:30
8:10 AM	05:23	05:45	05:30	04:14	04:44	04:26	04:21	04:29	04:50	04:26	04:27	04:16
8:20 AM	05:00	05:10	04:27	05:34	04:44	04:38	04:40	04:05	04:19	04:23	04:30	05:03
8:30 AM	04:58	04:07	04:27	04:39	04:22	04:19		04:04	04:48	04:20	04:10	04:15
8:40 AM	04:20		04:19	04:32	04:49	04:28	04:20	04:00	04:36	04:38	04:18	05:02
8:50 AM	04:50	04:04	04:31	04:28	05:13	04:53	05:56	04:06	04:37	04:21	04:23	04:34
9:00 AM	04:47	04:27	04:59	04:47	04:43	04:47	04:41	04:03	04:47	04:23	04:22	04:38
9:10 AM	05:07	04:47	05:06	04:15	04:53	04:40	04:44	04:07	04:48	04:20	05:04	04:28
9:20 AM	04:22	05:07	04:16	04:16	04:24	04:42	04:44	04:31	04:30	04:32	04:15	05:27
9:30 AM	04:47	04:22	04:21	04:23	05:20	04:52	04:28	04:28	04:30	04:46	04:21	04:28
9:40 AM	05:02	04:22	05:09	04:23	04:20	04:10	04:26	04:44	04:30	04:26	04:24	05:14
9:50 AM	04:38	04:46	04:55	05:09	04:28	04:10	04:22	04:48	05:22	04:30	04:42	05:23
10:00 AM	06:09	05:13	04:21	05:00	04:16	03:57	04:23	05:00	04:58	04:07	04:07	05:10
10:10 AM	04:38	04:50	04:56	04:54	04:22	04:25	04:19	04:38	04:55	04:10	04:08	04:42
10:20 AM	04:30	04:31	04:18	04:31	04:36	04:26	04:13	04:18	04:43	04:02	04:15	04:38
10:21 AM							04:19	04:17	04:13	04:12	04:07	04:26
10:30 AM	04:31	04:56	04:33	04:03	04:31	05:10	04:32	04:44	04:28	04:19	04:16	04:41
10:40 AM	04:57	05:11	04:47	04:24	04:23	05:06	04:34	04:33	05:07	04:28	04:17	04:45
10:50 AM	04:40	04:22	04:36	04:35	04:29	04:06	05:27	04:46	05:26	05:11	04:29	04:45
11:00 AM	04:14	04:41	04:34	04:42		04:15	05:09	04:26	05:05	05:05	04:22	04:38
11:10 AM	04:20	05:14	04:46	04:41	04:31	04:19	05:04	04:44	04:54	04:35	04:17	04:37
11:20 AM	04:58	04:44	04:42	05:30	04:39	04:25	05:34	04:17	05:51	04:56	04:33	04:25

ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	05:17	04:52	04:45	05:07	04:21	04:22	05:18	04:48	04:45	05:03	05:02	04:26
11:40 AM	04:42	04:44	05:21	04:48	04:34	04:31	04:29	04:39	05:21	05:20	04:40	04:44
11:50 AM	04:21	04:51	04:45	04:52	04:36	04:54	04:44	04:23	04:53	05:29	04:18	
12:00 PM	04:31		04:53	05:02	04:35		04:51	05:49	05:02	05:13	04:23	05:09
12:10 PM	05:09	05:16	05:33	04:51	04:42	04:19	05:01	05:05	05:03	05:06	05:02	04:49
12:20 PM	04:55	05:03	04:26	04:21	05:26	04:23	05:09	04:48	05:06	04:45	04:35	05:17
12:30 PM	05:15		04:39	04:26	04:59	04:33	04:52	04:49	05:38	04:19	04:38	05:10
12:40 PM	04:56	04:42	04:50	04:29	05:10	04:46	04:56	04:46	04:40	04:44	04:51	04:48
12:50 PM	05:12	05:24	04:57	04:18	04:32	05:10	05:05	04:51	04:37	06:28	04:35	04:47
1:00 PM	04:55	05:00	04:42		05:00	05:15	04:43	05:20	05:20	04:53	04:46	04:35
1:10 PM	05:31	04:43	04:48	05:15	05:13	04:24	04:27	05:05	04:30	05:16	04:58	04:33
1:20 PM	06:14	04:34	05:15	05:01	05:02	04:46	04:20	04:34	05:17	05:32	04:53	04:42
1:30 PM	05:18	04:41	05:20	05:11	05:16	04:44	04:30	04:40	04:45	04:25	04:59	04:43
1:40 PM	05:06	04:39	05:19	04:28	05:13	04:53	04:33	04:36	04:30	04:37	04:49	04:28
1:50 PM	04:52	04:51	05:08	04:24	05:22	04:43	04:23	05:12	05:22	04:39	05:03	04:34
2:00 PM	05:26	04:49	04:40	04:42	04:40	04:49	04:45	04:49	04:59	05:01	05:00	04:29
2:10 PM	05:04	04:47	05:49	04:49	05:06	04:36	04:44	05:18	05:00	04:55	05:13	04:26
2:20 PM	04:39	04:47	05:55	04:54	05:07	05:36	04:28	05:39	05:04	04:44	05:21	04:34
2:30 PM	04:55	04:45	05:30	04:56	05:21	04:46	04:19	04:58	04:57	04:58	05:02	04:25
2:40 PM	04:51	04:40	05:27	04:46	05:20	04:38	04:25	04:59	05:26	04:33	04:59	04:14
2:50 PM	04:35	04:17	05:23	04:50	05:12	05:16	04:50	04:34	05:03	04:25	04:45	04:28
3:00 PM	05:26		04:44		04:23	05:16	04:20	04:29	05:47	05:22	05:17	04:39
3:10 PM	04:36	04:42	04:30	06:01	04:22	04:54	05:05	04:32	04:37	04:31	05:14	04:35
3:20 PM	04:55	04:49	04:59	05:42	04:22	04:34	04:23	04:25	05:08	04:11	05:01	04:12
3:30 PM	05:00	04:34	04:34	05:38	04:18	04:20	04:26	04:27	05:11	04:24	04:38	05:17
3:40 PM	05:03	04:26	04:40	04:49	05:01	04:48	04:45	04:41	06:26	04:30	04:59	04:42
3:50 PM	04:26	04:23	05:04	04:50	05:27	04:50	04:34	04:33	04:20	05:05	04:48	05:12
4:00 PM	05:20	05:13	05:17	05:32	05:06	04:29	04:56	04:52	04:31	04:29	04:54	05:34
4:10 PM	04:46	05:05	05:30	04:31	05:35	04:35	05:26	05:10	05:34	04:50	04:56	05:29
4:20 PM	04:31	05:09	05:40	05:05	05:21	04:41	04:26	04:43	05:29	05:08	05:15	05:51
4:30 PM	04:44	04:57	05:46	05:16	05:27	04:44	04:38	04:47	05:04	04:50	06:47	05:33
4:40 PM	04:38	04:44	04:46	04:56	05:05	04:44	05:52	04:48	05:05	04:50	05:12	05:28
4:41 PM	04:41						05:20	05:23	05:03	04:27	04:58	04:48
4:50 PM	05:46	04:53	04:26	04:39	04:48	04:44	05:02	05:21	05:07	04:35	04:36	04:52
5:00 PM	05:05	05:27	04:38	04:28	05:20	04:50	04:51	04:52	04:43	05:00	04:45	05:41
5:10 PM	04:41	05:26	04:53	05:11	04:34	05:04	04:49	04:47	04:50	05:14	04:48	05:43
5:20 PM	04:45	05:48	05:28	05:07	04:46	05:38	04:40	05:38	04:59	05:01	05:05	04:52
5:30 PM	04:58	04:45	05:20	05:11	05:31	05:40	04:40	05:13	04:55	05:17	05:04	04:49
5:40 PM	04:46	05:29	05:20	04:49	05:50	05:28	05:00	05:15	04:44	05:24	05:42	04:58
5:50 PM	04:37	05:11	04:45	04:58	04:46	05:19	05:01	05:36	04:37	05:13	05:25	05:30
6:00 PM	04:54	05:02	04:34	05:10	05:25	04:46	04:55	07:33	04:43	05:18	04:38	05:20
6:10 PM	05:18	06:22	05:18	04:49	05:05	04:54	04:49	06:43	04:53	06:01	05:22	05:01

ROUTE	Westview Pkwy NB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	05:10	06:00	06:27	05:56	05:16	05:03	05:24	06:06	05:01	05:47	05:04	05:27
6:30 PM	05:04	05:41	05:36	05:30	05:03	04:57	05:14	05:09	04:39	06:01	04:49	05:24
6:40 PM	05:45	05:50	04:58	05:57	05:15	05:16	04:54	05:41	05:20	04:40	05:20	04:53
6:50 PM	04:49	05:38	05:28	06:01	05:44	05:07	04:37	04:48	05:24	05:09	05:45	05:38
7:00 PM	04:36	04:55	05:11	04:24	04:49	05:01	04:34	05:01	04:42	04:52	05:14	05:35
7:10 PM	05:13	04:49	05:29	04:39	05:45	05:45	04:41	05:12	05:52	04:43	05:38	05:17
7:20 PM	04:52	04:48	05:45	05:29	05:30	06:17	04:49	04:54	05:23	04:41	05:50	04:40
7:30 PM	05:20	05:37	04:52	05:14	04:46	05:45	04:22	04:21	04:26	05:17	05:23	04:30
7:40 PM	04:47	05:12	04:41	04:51	04:41	04:43	04:16	04:25	04:19	04:37	04:47	04:18
7:50 PM	04:42	04:17	05:43	05:10	04:48	04:56	04:37	04:27	04:14	04:30	04:58	04:18
8:00 PM	04:43	05:04	05:08	04:47	04:50	04:49	04:56	05:07	04:16	04:25	04:19	04:21
8:10 PM	04:36	04:50	05:06	04:14	05:04	04:53	04:58	04:48	04:16	04:28	04:20	04:42
8:20 PM	04:28	04:44	04:55	04:03	04:47	04:52	04:56	04:27	04:05	04:24	04:36	04:38
8:30 PM	04:18	04:49	04:51	04:02	04:49	04:46	04:27	05:07	04:02	04:09	04:33	04:18
8:40 PM	04:03	04:31	04:37	03:56	05:01	04:34						
8:50 PM	04:17	04:35	04:21	03:59	04:52	04:21						

Traction Probe Data Heatmap

ROUTE												
Westview Pkwy SB												
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
5:10 AM		04:33	04:51	04:35	04:41	04:15	04:38	04:59	04:18	04:37	04:26	04:38
5:20 AM		04:28	05:02	04:37	04:46	04:16	04:32	04:38	04:23	04:44	04:20	04:28
5:30 AM		04:30	05:05	05:08	04:43	04:25	04:27	05:06	05:01	04:48	04:33	04:35
5:40 AM		04:51	04:51	05:08	04:56	04:32	04:38	05:05	05:12	05:08	04:32	04:46
5:50 AM		04:59	05:04	05:23	04:45	04:33	04:36	04:59	05:31	04:49	04:39	04:57
6:00 AM		04:44	05:18	05:06	04:53	04:41		05:06	05:12	04:46	04:39	04:59
6:10 AM		04:51	05:04	05:13	04:58	04:47	04:55	05:14	04:58	05:00	04:46	05:14
6:20 AM		05:04	04:55	05:09	05:02	04:55	04:56	05:06	05:07	05:04	04:56	05:00
6:30 AM		05:01	04:55	05:23	05:03	04:53	05:01	04:56	05:01	05:22	04:55	05:14
6:40 AM		04:58	05:09	05:28	05:01	05:03	05:02	05:10	05:04	05:19	05:24	05:18
6:50 AM		05:06	05:37	05:49	05:20	05:28	05:31	05:13	05:13	05:34	05:22	05:23
7:00 AM		05:41	05:40	05:42	05:15	05:15	05:28	05:37	05:29	05:33	05:25	05:22
7:10 AM		05:42	05:36	05:36	06:11	05:23	06:08	06:10	05:37	06:22	05:50	05:16
7:20 AM		06:29	05:59	06:08	06:01	05:11	05:56	06:18	05:54	05:57	06:05	06:14
7:30 AM		05:57	05:49		05:49	05:27		05:45	06:13	05:50	05:49	05:54
7:40 AM		05:53	05:55	06:28	06:06	06:22	07:34	06:24	06:06	07:39	06:45	07:19
7:50 AM		05:47	05:39	06:09	06:30	06:07	05:41	06:55	05:51	06:45	06:15	06:08
8:00 AM		05:42	05:38	05:49	05:54	05:43	05:24	07:15	05:45	06:16	06:13	05:53
8:10 AM		05:38	05:07	05:16	06:08	05:14	05:07	05:33	05:19	05:33	05:41	05:01
8:20 AM		05:14	05:00	05:10	05:01	04:59	04:55	05:13	05:09	05:20	04:56	05:25
8:30 AM		05:01	05:16	05:15	05:13	05:53	05:04	05:06	05:05	06:14	05:50	
8:40 AM		05:19	05:04	05:15	05:00	05:43	05:30	05:48	05:49	05:54	05:32	05:16
8:50 AM		05:01	05:23	05:11	05:06	05:21	05:44	05:38	05:54	05:15	05:48	05:17
9:00 AM		05:05	05:07		05:16	05:06	05:48	05:41	05:19	05:20	05:14	05:29
9:10 AM		05:21	05:23	05:19	04:34	05:19	05:34	05:34	05:11	05:04	05:21	05:55
9:20 AM		04:54	05:29	05:28	04:46	05:14	05:51	05:13	05:16	05:08	05:05	05:03
9:30 AM		05:01	05:24	05:16	05:16	06:31	05:51	04:59	05:06	04:49	05:14	05:06
9:40 AM		05:07	05:19	05:09	05:19	06:10	05:12	05:01	05:06	04:47	05:19	05:08
9:50 AM		04:54	05:25	05:16	05:27	05:38	05:36	05:06	05:21	04:57	05:28	06:09
10:00 AM		05:10	05:11	05:20	05:22	05:38	05:15	05:05	05:11	05:27		06:23
10:10 AM		05:11	05:02	05:05	05:28	05:17	05:06	05:32	05:05	05:13	05:16	06:17
10:20 AM		05:14	04:53	04:58	05:54	05:14	05:21	05:17	05:22	05:24	05:06	06:15
10:21 AM								05:17				
10:30 AM		05:01	05:08	05:22	05:15	05:22	05:12	05:14	05:25	05:29		05:38
10:40 AM		05:03	05:14	05:27	05:33	05:13	05:09	05:16	05:23	05:27	05:20	05:24
10:50 AM		05:08	05:28	05:52	05:34	05:14	05:35	05:39	05:13	05:25	05:10	05:38
11:00 AM		05:10	06:01	05:38	05:34	05:01	05:44	05:35	05:16	05:16	05:24	05:44
11:10 AM		05:21	05:48	05:27	05:17	05:20	05:22	05:43		04:54	05:22	05:34
11:20 AM		05:24	05:36	05:28	06:14	05:33	05:26	05:40	05:23	05:05	05:28	05:34



ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
11:30 AM		05:21	05:22	05:42	06:20	05:32	05:34	05:09	05:25	05:14	06:15	05:26
11:40 AM		05:31	05:12	05:45	06:12	05:13	05:29	05:08	05:38	05:35	05:23	06:44
11:50 AM		05:44	05:37	05:40	06:06	05:11	05:32	05:24	05:40	06:15	05:29	06:38
12:00 PM		05:28	05:32	05:36	05:20	05:31		04:59	06:09	05:54	04:59	05:47
12:10 PM		05:12	05:34	05:52	05:23	05:17	05:18	05:26	06:26	05:47	05:54	05:43
12:20 PM		05:49	05:34	05:39	05:23	05:30	05:11	05:23	05:49	05:47	05:43	05:40
12:30 PM		05:39	05:24	06:02	05:17	05:17	05:26	05:30	05:37	05:51	05:47	05:43
12:40 PM		05:20	05:28	06:00	05:28	05:16	05:23	05:10	05:37	05:23	05:16	05:27
12:50 PM		05:20	05:29	05:44	05:25	05:24	05:27	05:10	05:40	06:07	05:16	05:12
1:00 PM	05:19	05:50	06:02	05:41	05:37	04:49	05:27	05:26	05:10	05:09	05:21	
1:10 PM	05:13	05:22	05:49	05:40	05:19	05:38	05:13	05:29	05:20	05:28	05:13	05:19
1:20 PM	05:13	05:39	05:19	05:34	05:06	05:15	05:40	05:21	05:45	05:17		05:38
1:30 PM	05:03	05:42	05:30	05:39	05:19	05:06		05:53	05:47	05:21	05:33	05:38
1:40 PM	05:40	05:30	05:40	05:22	05:33	05:52	05:31	05:30	05:48	05:32	05:23	05:27
1:50 PM	05:24	06:01	05:36	05:34	05:48	05:16	05:37	05:25	05:29	05:38	06:10	05:21
2:00 PM	05:22	05:32	05:27	05:37	05:55	05:52	05:31	05:34	05:42	05:36	05:53	05:30
2:10 PM	05:24	05:28	05:53	05:40	06:06	05:44	05:41	05:43	05:43	05:52	05:20	05:40
2:20 PM	05:45	06:03	05:40	04:55	05:58	06:12	05:40	05:27	05:41	06:08	05:32	05:56
2:30 PM	05:41	05:13	05:40	05:15	05:59	05:44	05:47	05:32	05:54			
2:40 PM	05:25	05:07	05:56	05:08	05:48	05:57	05:32	05:38	05:50	05:41	05:39	05:42
2:50 PM	05:33	05:30	05:24	05:42	05:31	05:53	05:18	05:25	05:55	05:41	05:34	05:46
3:00 PM	05:24	05:38	05:40	05:58	05:09	05:16	05:34	06:01	05:47	05:55	05:36	05:51
3:10 PM	05:25	05:39	05:25	05:57	05:24	05:19	05:53	05:58	05:51	06:17	05:40	05:24
3:20 PM	05:17	05:34	05:49	05:31	05:40	05:19	05:53	05:27	06:23	06:00	05:32	05:37
3:30 PM	04:58	05:59	05:35	05:49	05:38	05:21	05:30	05:41	06:06	06:01	05:44	05:36
3:40 PM	05:12	05:59	05:33	05:29	05:39	05:32	05:39	05:31	05:52	05:37	05:17	05:39
3:50 PM	05:32	05:17	05:37	05:24	05:28	05:03	05:28	05:12	07:07	05:33	05:10	05:42
4:00 PM	05:17	05:36	05:19	05:40	05:34	05:22	05:30	05:08	07:26	05:19	05:00	05:13
4:10 PM	05:10	06:12	05:08	05:31	05:40	05:04	05:30	05:27	06:30	06:02	05:10	05:22
4:20 PM	05:11	06:09	05:24	05:44	05:53	05:40	05:46	05:25	06:17	05:27	05:26	05:27
4:30 PM	05:28	05:49	05:40	05:59	05:41	05:27	06:05	05:51	05:43	05:15	05:28	05:38
4:40 PM	05:19	05:46	05:28	05:36	05:58	05:36	06:15	05:14	05:31	05:25	05:22	05:33
4:41 PM												
4:50 PM	05:06	06:29	05:46	05:08	05:43	05:47	06:12	05:27	05:42	06:07	05:50	05:28
5:00 PM	05:09	05:54	05:26	05:24	05:49	05:56	06:19	06:01	05:55	05:48	06:42	05:56
5:10 PM	05:22	06:01	05:55	05:37	05:45	05:50	05:50	06:17	06:15	05:36	05:52	05:49
5:20 PM	05:46	05:56	05:40	05:59	06:11	06:12	05:44	07:42	05:56	05:45	05:55	06:08
5:30 PM	05:46	06:06	05:24	06:19	06:26	05:38	06:22	06:19	06:01	05:29	06:10	06:24
5:40 PM	05:38		05:46	06:21	06:27	06:44	05:36	05:59	05:53	06:23	05:47	06:06
5:50 PM	05:56	05:48	06:06	06:08	06:24	06:24	05:44	05:41	07:48	05:51	06:00	07:00
6:00 PM	05:40	05:54	05:39	06:02	06:53	05:57	05:27	06:04	06:28	05:54	06:16	06:14
6:10 PM	05:29	06:28	05:53	05:43	06:37	05:56	05:41	05:44	05:47	06:13	06:02	05:53

ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	1/21/2019	1/22/2019	1/23/2019	1/24/2019	1/25/2019	1/28/2019	1/29/2019	1/30/2019	1/31/2019	2/1/2019	2/4/2019	2/5/2019
6:20 PM	05:49	05:46	05:58	05:35	06:43	05:45	05:55	05:46	06:07	06:03	05:45	05:42
6:30 PM	05:17	05:27	05:43	05:47	07:37	05:34	06:02	05:52	05:46	05:45	06:03	05:45
6:40 PM	05:36	05:54	05:50	05:46	06:52	05:45	06:10	05:56	05:42	06:07	05:21	05:35
6:50 PM	05:19	05:26	05:46	05:43	06:02	05:40	06:16	05:47	06:17	06:07	05:22	05:41
7:00 PM	05:15	05:41	06:10	05:56	05:34	05:25	05:35	06:33	05:59	05:31	05:23	05:23
7:10 PM	05:10	05:18	05:50	05:28	06:06	05:22	05:32	06:19	06:36	05:36	05:19	05:19
7:20 PM	05:27	05:28	05:42	05:06	05:52	05:13	05:40	06:14	06:37	06:04	05:13	05:04
7:30 PM	05:21	05:27	05:28	05:34	05:43	05:13	04:57	06:44	06:11	05:50	05:13	05:13
7:40 PM	05:39	05:20	05:18	05:17	05:37	05:15	04:56	06:51	06:02	05:39	05:17	05:02
7:50 PM	05:31	05:22	05:17	05:09	05:37	05:29	05:18	06:16	05:51	05:24	05:27	05:14
8:00 PM	05:41	05:32	05:20	05:23	05:22	05:26	05:09	05:50	05:16	05:28	05:14	05:10
8:10 PM	05:34	05:37	05:02	05:20	05:09	05:28	05:11	05:57	05:10	05:43	04:53	05:14
8:20 PM	05:39	05:22	06:15	05:15	05:20	05:14	05:15	06:01	05:22	05:42	04:56	04:54
8:30 PM	05:34	05:02	05:52	05:01	06:18	05:07	05:19	05:30	05:09	05:48	04:59	04:56
8:40 PM	05:26	04:54	05:44	04:58	06:19	05:18	05:14	05:29	05:35	05:55	05:03	04:57
8:50 PM	05:01	05:12	05:38	05:10	05:57	05:07	05:16	05:19	05:29	05:30	05:10	05:10



Traction Probe Data Heatmap												
ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
5:10 AM	05:14	04:19	04:41	04:10	04:37	04:31	04:16	04:26	04:41	05:22	04:35	04:23
5:20 AM	04:52	04:26	04:37	04:14	04:44	04:54	04:24	04:55	04:30	04:56	04:55	04:32
5:30 AM	04:59	04:53	04:38	04:24	04:36	04:46	05:10	04:46	04:38	04:49	05:04	05:08
5:40 AM	04:53	05:00	05:01	04:27	04:50	04:41	05:14	04:55	04:30	04:53	04:44	05:17
5:50 AM	04:54	05:12	04:43	04:26	04:57	04:33	05:24	04:55	04:43	04:48	04:40	05:23
6:00 AM		04:48	04:49	04:22	04:49	04:45	05:08	04:51	04:47	04:35	04:44	05:01
6:10 AM	04:52	04:51	05:02	04:32	05:09	04:46	05:11	04:53	05:00	04:40	04:41	04:59
6:20 AM	04:58	04:43	04:51	04:47	04:45	05:01	05:09	04:55	05:10	04:31	05:02	05:04
6:30 AM		05:04	04:59	04:41	05:00	05:00	05:11	04:57	05:06	04:45	04:42	04:56
6:40 AM	05:08	05:13	04:53	05:00	05:01	05:02	05:23	05:06	05:12	04:53	05:04	04:53
6:50 AM	05:14	05:09	05:06	05:17	05:01	05:01	05:15	05:14	04:40	05:07	05:16	05:18
7:00 AM	05:15	05:18	05:17	05:24	05:31	05:13	04:59	05:10	05:13	05:17	05:01	05:05
7:10 AM	05:37	05:11	05:24	05:38	06:13	05:46	05:42	05:32	05:11	05:51	05:47	05:09
7:20 AM	05:50	05:47	05:29	05:30	06:03	06:08	05:49	05:43	04:56	05:52	05:49	05:40
7:30 AM	05:45	05:41	06:04	05:40	05:49		05:50	05:20	05:03	05:52	05:58	05:37
7:40 AM	06:07	07:12	06:18	05:48	06:19	06:09	06:19	05:43	04:52	06:35	05:47	05:55
7:50 AM	06:41	06:09	05:54	05:50	06:22	06:16	05:59	05:30	05:01	05:59	06:33	05:54
8:00 AM	05:37	06:48	05:20	05:44	06:16	06:16		05:01	05:02	06:13	05:50	05:49
8:10 AM	05:04	05:38	06:06	05:17	04:58	05:18	05:23	05:09	04:51	05:30	05:17	05:30
8:20 AM	05:28	05:13	06:10	05:14	05:50	05:19	05:13	05:16	05:12	05:20	05:42	05:14
8:30 AM	05:16	05:19	05:42	05:42	05:21	05:29		05:19	05:04	05:32	05:17	05:17
8:40 AM	05:05		06:05	05:58	05:48	05:25	05:40	05:18	05:04	05:05	05:23	05:20
8:50 AM	05:19	06:56	05:13	06:12	05:36	05:39	06:14	05:12	05:03	05:55	05:32	05:50
9:00 AM	05:11	05:13	04:49	04:53	05:09	05:14	05:29	05:15	05:10	05:52	05:28	05:12
9:10 AM	05:15	05:11	04:54	05:23	05:19	05:31	05:39	05:21	05:09	05:07	05:34	05:03
9:20 AM	05:02	05:11	05:03	05:55	05:14	05:21	05:51	05:13	04:55	05:16	05:18	05:07
9:30 AM	05:33	05:22	05:34	05:01		05:16	05:50	05:14	05:20	05:08	05:17	05:01
9:40 AM	05:45	05:07	05:19	05:14	05:12	05:03	05:39	05:30	04:55	05:08	05:05	04:55
9:50 AM	05:24	05:07	05:23	05:09	05:00	05:09	04:59	05:25	05:04	05:16	05:13	05:08
10:00 AM	05:21	05:35	05:33	05:11	04:52	05:11	04:56	05:32	05:02	05:15	05:21	05:04
10:10 AM	05:16	06:03	05:23	05:14	05:27	05:00	05:18	05:19	05:17	05:31	05:19	05:23
10:20 AM	05:24	05:31	04:59	05:15	05:21	04:54	05:47	05:24	05:29	05:17	05:07	05:56
10:21 AM							05:04	05:45	05:22	05:01	05:09	06:04
10:30 AM	05:07	05:27	05:06	05:27	05:15	04:55	05:03	05:25	05:19	05:08	05:12	05:49
10:40 AM	05:15	05:25	05:00	05:01	05:23	05:10	05:10	05:15	05:28	05:20	05:14	05:42
10:50 AM	04:59	05:42	05:15	05:06	05:31	05:30	05:20	05:12	05:49	05:29	05:26	05:32
11:00 AM	04:52	05:09	05:27	05:22		05:19	05:23	05:03	05:20	05:20	05:40	05:26
11:10 AM	04:53	05:19	05:41	05:36	05:38	05:15	06:21	05:16	05:13	05:29	05:27	05:23
11:20 AM	05:09	05:32	05:12	05:19	05:53	05:16	06:07	05:09	05:19	05:28	05:11	05:23

ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
11:30 AM	04:48	05:24	05:26	05:13	05:47	05:19	05:15	05:21	05:27	05:21	05:14	05:22
11:40 AM	05:14	05:22	05:18	05:10	05:38	05:29	05:25	05:24	05:26	05:37	05:34	05:13
11:50 AM	05:11	05:28	05:46	05:05	05:20	05:11	05:37	05:20	05:12	05:44	06:25	05:16
12:00 PM	05:07		05:43	05:18	05:54	05:00	05:38	05:25	05:16	05:53	05:29	05:41
12:10 PM	05:48	05:52	05:33	05:04	05:43	05:18	05:43	05:11	05:14	05:35	05:46	05:50
12:20 PM	05:54	05:43	05:51	04:58	05:31	05:23		05:43	05:38	05:21	05:35	05:31
12:30 PM	05:58	05:41	05:31	05:08	05:19	05:22	05:34	05:30	05:19	05:31	05:31	05:22
12:40 PM	06:00	05:39	06:21	05:07	05:29	04:59	05:38	05:27	05:14	05:13	05:27	05:33
12:50 PM	05:57	05:58	06:08	05:18	05:28	05:24	05:57	05:33	05:20	05:18	05:44	05:29
1:00 PM	05:18	05:33	06:01	05:22	06:49	05:23	05:32	05:23	05:27	05:17	05:32	05:33
1:10 PM	05:44	05:47	05:20	04:58	06:42	05:15	05:23	05:31	05:18	05:28	05:06	05:41
1:20 PM	05:32	05:30	05:16	05:07	05:48	05:18	05:34	05:47	05:18	05:32	05:13	05:45
1:30 PM	05:33	05:32	05:31	05:11	05:41	04:58	05:18	05:25	05:23	05:38	05:29	05:46
1:40 PM	05:33	06:01	05:27	05:25	05:59	04:49	05:33	05:50	06:00	05:10	05:37	05:37
1:50 PM	05:24	05:07	05:27	05:25	05:39	05:28	05:45	05:40	05:36	05:21	05:46	05:17
2:00 PM	05:30	05:16	05:27	05:34	05:30	05:33	05:34	05:51	05:40	06:05	05:33	05:13
2:10 PM	05:25	05:36	05:47	06:01	05:32	05:28	05:24	05:32	05:44	06:15	05:55	05:11
2:20 PM	05:41	05:07	05:43	06:16	05:27	05:37	05:21	05:28	05:30	05:44	06:01	05:03
2:30 PM	05:33	05:25	05:46	06:29	05:28	06:11	05:08	05:33	05:29	05:31	05:56	05:26
2:40 PM	05:23	05:22	05:45	07:29	05:06	06:14	05:19	05:27	05:48	05:22	05:48	05:23
2:50 PM	05:25	05:20	05:51	06:50	05:43	05:51	05:29	05:22	05:22	05:21	05:22	05:13
3:00 PM	06:07	05:49	06:06	05:15	05:31	05:52	05:29	06:02	05:15	05:34	05:26	05:27
3:10 PM	06:04	05:50	06:15	05:16	05:27	05:38	05:27	06:11	05:18	05:16	05:18	05:25
3:20 PM	05:32	05:43	06:02	05:06	06:04	05:36	05:27	05:48	05:14	06:08	05:45	05:24
3:30 PM	06:05	05:43	06:22	05:37	05:41	05:23	05:31	05:48	05:30	06:14	05:14	05:28
3:40 PM	06:06	05:39	05:51	05:13	05:48	05:08	05:25	05:29	05:16	06:17	05:28	05:14
3:50 PM	06:24	05:43	06:19	05:36	06:41	05:05	05:37	05:54	05:25	06:52	05:34	05:20
4:00 PM	05:35	05:24	05:23	05:44	05:49	05:32	05:15	06:33	05:52	06:26	05:32	05:25
4:10 PM	05:22	06:00	05:28	05:29	05:41	05:08	05:44	05:34	05:48	06:34	05:23	05:21
4:20 PM	05:03	05:16	05:30	05:11	05:19	05:15	05:08	05:37	05:28	06:04	05:27	05:46
4:30 PM	05:28	05:21	05:38	05:44	05:12	05:38	05:15	05:47	05:16	05:46	05:44	05:31
4:40 PM	06:00	05:30	05:49	05:38	05:45	05:19	05:18	06:08	05:26	06:00	05:33	05:36
4:41 PM	06:07						05:34	05:53	05:23	06:03	05:40	05:42
4:50 PM	06:26	06:02	05:30	06:01	05:29	05:21	05:05	05:57	05:55	06:22	05:48	05:38
5:00 PM	06:15	05:32	05:50	05:39	05:39	05:34	06:23	05:49	05:34	06:42	06:14	05:39
5:10 PM	06:19	05:44	06:05	05:26	05:50	05:23	06:19	06:08	05:35	06:11	06:34	05:49
5:20 PM	06:07	05:51	05:58	05:52	05:38	05:24	06:27	05:57	05:39	06:03	06:00	05:30
5:30 PM	06:03	05:55	05:42	05:47	05:46	05:38	06:29	05:49	06:18	05:34	05:50	05:43
5:40 PM	06:00	06:01	06:35	05:56	05:52	05:13	05:46	06:01	06:23	05:49	06:10	05:46
5:50 PM	06:03	05:43	06:05	06:52	05:46	06:07	05:56	06:23	06:09	05:58	05:54	05:59
6:00 PM	05:33	05:43	06:08	05:34	06:26	05:29	05:40	06:20	06:03	05:31	05:39	05:48
6:10 PM	05:57	05:50	05:55	05:43	06:38	05:26	05:48	06:08	06:05	05:32	05:45	06:06

ROUTE	Westview Pkwy SB											
TOD	TRAVEL TIME											
	2/6/2019	2/7/2019	2/8/2019	2/11/2019	2/12/2019	2/13/2019	2/14/2019	2/15/2019	2/18/2019	2/19/2019	2/20/2019	2/21/2019
6:20 PM	06:10	06:45	05:54	05:48	06:08	05:41	05:40	05:53	05:58	05:33	05:48	05:48
6:30 PM	05:47	06:18	05:53	05:40	05:33	05:20	05:25	06:01	05:40	05:28	05:29	05:56
6:40 PM	05:45	07:19	06:11	05:31	05:39	05:26	05:25	05:35	05:16	05:37	05:41	05:47
6:50 PM	06:10	06:02	06:05	05:40	06:36	05:42	05:24	05:26	05:24	05:54	05:39	05:45
7:00 PM	05:48	05:36	05:48	05:36	06:21	05:32	05:20	05:30	05:14	05:33	05:14	05:31
7:10 PM	06:06	05:38	06:04	05:15	07:10	05:24	05:26	05:40	05:11	05:37	05:08	05:29
7:20 PM	05:28	05:51	05:32	05:19	06:30	05:36	05:27	05:58	05:09	05:21	05:30	05:10
7:30 PM	05:47	05:56	05:23	04:53	05:42	05:19	05:18	05:26	05:08	05:27	05:31	05:24
7:40 PM	05:08	05:35	05:41	04:58	05:27	05:07	05:18	05:29	05:12	05:32	05:21	05:17
7:50 PM	05:10	05:31	05:24	05:17	05:41	05:14	05:06	05:13	05:12	05:20	05:23	05:36
8:00 PM	04:56	05:39	05:32	05:11	05:32	05:22	05:06	05:01	05:13	05:11	05:08	05:17
8:10 PM	04:52	05:25	05:24	05:05	05:34	05:36	05:15	04:58	04:59	05:11	05:13	05:17
8:20 PM	05:19	05:17	05:19	05:09	05:32	05:24	05:14	05:17	05:21	05:18	05:17	05:13
8:30 PM	05:36	05:36	05:13	04:58	05:21	05:54	05:08	05:27	05:15	05:11	05:20	05:15
8:40 PM	05:11	05:05	05:08	05:14	05:05	05:50						
8:50 PM	04:59	05:46	05:11	05:02	05:16	05:40						

## Arterial Level of Service: NB Black Mountain Rd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
	II	30	28.2	6.8	35.0	0.22	22.9	C
Kearny Villa Rd	II	30	17.1	30.2	47.3	0.13	9.7	F
Maya Linda Rd	II	40	20.8	5.9	26.7	0.18	24.3	C
Carroll Canyon Rd	II	40	14.5	31.7	46.2	0.13	9.8	F
Gold Coast Dr	II	40	20.0	36.5	56.5	0.17	11.1	F
Miramar College Drwy	II	40	29.0	13.3	42.3	0.28	24.2	C
Hillery Dr	II	40	25.9	51.2	77.1	0.24	11.0	F
Mira Mesa Blvd	II	40	29.9	81.3	111.2	0.29	9.5	F
Gemini Ave	II	35	18.8	5.0	23.8	0.15	22.7	C
Galvin Ave	II	35	10.5	8.5	19.0	0.08	16.0	E
Capricorn Wy	II	50	26.1	14.0	40.1	0.26	23.4	C
Westview Pkwy	II	50	45.0	22.5	67.5	0.62	33.3	B
Mercy Rd	II	50	28.7	36.5	65.2	0.30	16.7	E
Total	II		314.5	343.4	657.9	3.06	16.8	E

## Arterial Level of Service: SB Black Mountain Rd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Mercy Rd	II	50	26.4	22.3	48.7	0.28	20.6	D
	II	50	28.7	10.6	39.3	0.30	27.7	C
Capricorn Wy	II	50	45.0	36.3	81.3	0.62	27.7	C
Achilles Wy	II	50	26.1	26.0	52.1	0.26	18.0	D
Gemini Ave	II	35	10.5	21.1	31.6	0.08	9.6	F
Mira Mesa Blvd	II	35	18.8	56.6	75.4	0.15	7.2	F
Hillery Dr	II	40	29.9	40.8	70.7	0.29	14.9	E
Miramar College Drwy	II	40	25.9	1.5	27.4	0.24	30.9	B
Gold Coast Dr	II	40	29.0	52.9	81.9	0.28	12.5	F
	II	40	20.0	21.1	41.1	0.17	15.3	E
	II	40	14.5	6.6	21.1	0.13	21.5	D
Black Mountain Rd	II	40	20.8	34.0	54.8	0.18	11.9	F
Activity Rd	II	30	17.1	16.3	33.4	0.13	13.7	E
Miramar Rd	II	30	28.2	64.3	92.5	0.22	8.6	F
Total	II		340.9	410.4	751.3	3.34	16.0	E

## Arterial Level of Service: NB Camino Santa Fe

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Miramar Rd	II	30	10.9	37.8	48.7	0.08	5.7	F
Carroll Rd	II	40	61.8	31.4	93.2	0.69	26.5	C
Trade St	II	40	25.5	24.2	49.7	0.23	16.8	E
	II	50	35.2	6.4	41.6	0.41	35.4	A
	II	50	28.9	7.7	36.6	0.30	29.9	B
Flanders Dr	II	50	38.4	34.9	73.3	0.47	23.0	C
Mira Mesa Blvd	II	50	17.6	69.0	86.6	0.18	7.3	F
Top Gun St	II	45	23.8	5.1	28.9	0.23	28.5	B
Calle Cristobal	II	45	57.8	20.0	77.8	0.72	33.5	B
Total	II		299.9	236.5	536.4	3.31	22.2	C

## Arterial Level of Service: SB Camino Santa Fe

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Top Gun St	I	50	52.1	17.1	69.2	0.72	37.6	B
Mira Mesa Blvd	I	50	22.9	91.9	114.8	0.23	7.2	F
Flanders Dr	I	50	17.6	43.5	61.1	0.18	10.4	F
Miratech Dr	I	50	38.4	11.8	50.2	0.47	33.6	C
Summers Ridge Rd	I	50	28.9	10.2	39.1	0.30	28.0	C
	I	50	35.2	19.1	54.3	0.41	27.1	C
Carroll Rd	I	40	25.5	56.2	81.7	0.23	10.2	F
Miramar Rd	I	40	61.8	78.5	140.3	0.69	17.6	E
Total	I		282.4	328.3	610.7	3.23	19.0	E

# Arterial Level of Service

Existing  
Timing Plan: AM Peak

## Arterial Level of Service: EB Miramar Rd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Camino Santa Fe	I	50	32.2	9.3	41.5	0.35	30.7	C
	I	50	25.0	11.3	36.3	0.25	24.8	D
Production Ave	I	50	21.2	8.1	29.3	0.21	26.1	D
Distribution Ave	I	50	14.1	3.2	17.3	0.14	29.4	C
Miramar Wy	I	50	16.6	0.8	17.4	0.17	34.3	B
	I	50	25.6	2.3	27.9	0.26	33.0	C
Empire St	I	50	38.6	0.6	39.2	0.49	45.4	A
	I	50	26.0	10.7	36.7	0.26	25.5	D
	I	50	18.4	3.7	22.1	0.18	30.0	C
Camino Ruiz	I	50	43.9	10.2	54.1	0.61	40.5	B
Mitscher Wy	I	40	18.0	10.9	28.9	0.16	19.5	E
Black Mountain Rd	I	40	42.0	5.8	47.8	0.44	33.3	C
Kearny Villa Rd	I	40	23.5	43.2	66.7	0.20	11.0	F
Kearny Mesa Rd	I	40	10.6	3.0	13.6	0.09	24.3	D
	I	40	7.4	0.6	8.0	0.06	29.1	C
Total	I		363.1	123.7	486.8	3.89	28.7	C

## Arterial Level of Service: WB Miramar Rd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
	I	45	6.7	18.5	25.2	0.06	9.3	F
Kearny Villa Rd	I	45	9.6	44.6	54.2	0.09	6.1	F
Black Mountain Rd	I	45	21.3	14.4	35.7	0.20	20.6	E
Clayton Dr	I	45	40.2	29.3	69.5	0.44	22.9	D
Camino Ruiz	I	45	16.2	109.2	125.4	0.16	4.5	F
Cabot Dr	I	50	43.9	20.5	64.4	0.61	34.1	B
Dowdy Dr	I	50	18.4	26.9	45.3	0.18	14.7	F
Empire St	I	50	26.0	3.5	29.5	0.26	31.7	C
Carroll Rd	I	50	38.6	15.6	54.2	0.49	32.8	C
	I	50	25.6	13.5	39.1	0.26	23.6	D
Distribution Ave	I	50	16.6	5.4	22.0	0.17	27.1	C
Production Ave	I	50	14.1	5.1	19.2	0.14	26.5	D
Commerce Ave	I	50	21.2	26.7	47.9	0.21	16.0	F
Camino Santa Fe	I	50	25.0	36.1	61.1	0.25	14.7	F
Total	I		323.4	369.3	692.7	3.53	18.4	E

## Arterial Level of Service: EB Mira Mesa Blvd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
I-805 NB Off-ramp	II	45	25.3	36.5	61.8	0.24	14.2	E
Scranton Rd	II	45	24.4	21.2	45.6	0.22	17.6	D
Oberline Dr	II	50	41.9	28.9	70.8	0.58	29.6	B
Pacific Heights Blvd	II	50	30.9	27.1	58.0	0.34	21.0	D
	II	50	33.0	3.3	36.3	0.38	38.1	A
	II	50	23.2	6.8	30.0	0.23	27.9	C
	II	50	23.6	4.2	27.8	0.24	30.6	B
	II	50	17.1	5.2	22.3	0.17	27.6	C
Camino Santa Fe	II	50	17.5	46.7	64.2	0.18	9.8	F
	II	50	27.4	18.3	45.7	0.27	21.6	D
	II	50	26.6	2.5	29.1	0.27	32.9	B
Parkdale Ave	II	50	33.9	2.0	35.9	0.39	39.5	A
Reagan Rd	II	45	37.3	30.3	67.6	0.40	21.1	D
	II	45	15.0	3.8	18.8	0.14	26.4	C
Camino Ruiz	II	45	18.4	26.2	44.6	0.17	13.7	E
Reagan Rd	II	40	31.7	29.5	61.2	0.31	18.3	D
Westonhill Dr	II	40	19.6	18.4	38.0	0.17	16.2	E
Greenford Dr	II	40	20.2	4.3	24.5	0.18	25.8	C
Marbury Ave	II	40	27.1	8.1	35.2	0.25	25.2	C
Black Mountain Rd	II	40	31.8	50.1	81.9	0.31	13.7	E
Westview Pkwy	II	35	29.6	69.1	98.7	0.25	9.1	F
	II	35	21.9	5.0	26.9	0.18	23.5	C
I-15 NB Off-ramp	II	35	22.2	22.6	44.8	0.18	14.3	E
Total	II		599.6	470.1	1069.7	6.04	20.3	D



## Arterial Level of Service: WB Mira Mesa Blvd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
	II	35	22.6	22.1	44.7	0.18	14.6	E
I-15 SB Off-ramp	II	35	22.2	36.9	59.1	0.18	10.8	F
Westview Pkwy	II	35	21.9	35.7	57.6	0.18	11.0	F
Black Mountain Rd	II	35	29.6	154.8	184.4	0.25	4.9	F
Westmore Rd	II	40	31.8	20.5	52.3	0.31	21.4	D
Greenford Dr	II	40	27.1	6.9	34.0	0.25	26.1	C
Westonhill Dr	II	40	20.2	47.1	67.3	0.18	9.4	F
New Salem St	II	40	19.6	146.0	165.6	0.17	3.7	F
Camino Ruiz	II	40	31.7	46.1	77.8	0.31	14.4	E
Driveway	II	45	18.4	5.7	24.1	0.17	25.3	C
Reagan Rd	II	45	15.0	65.1	80.1	0.14	6.2	F
Parkdale Ave	II	45	37.3	39.8	77.1	0.40	18.5	D
Aderman Ave	II	50	33.9	7.4	41.3	0.39	34.3	B
Schilling Ave	II	50	26.6	7.0	33.6	0.27	28.5	B
Camino Santa Fe	II	50	27.4	21.0	48.4	0.27	20.4	D
Viper Wy	II	50	17.5	5.6	23.1	0.18	27.3	C
Flanders Dr	II	50	17.1	24.9	42.0	0.17	14.7	E
Genetic Center Dr	II	50	23.6	9.8	33.4	0.24	25.4	C
Sequence Dr	II	50	23.2	205.2	228.4	0.23	3.7	F
Pacific Heights Blvd	II	50	33.0	17.2	50.2	0.38	27.5	C
Lusk Blvd	II	50	30.9	3.4	34.3	0.34	35.6	A
Scranton Rd	II	50	41.9	15.2	57.1	0.58	36.7	A
	II	40	25.7	22.4	48.1	0.22	16.7	E
Total	II		598.2	965.8	1564.0	5.98	13.8	E

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: NB Vista Sorrento Pkwy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1004	5.2	26.0	0.3	43
Lusk Blvd	53	7.7	31.7	0.5	53
Sorrento Valley Blvd	1	60.8	85.0	0.3	14
Total		73.6	142.7	1.1	28

Arterial Level of Service: SB Vista Sorrento Pkwy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Sorrento Valley Blvd	1	57.6	66.6	0.1	8
Lusk Blvd	53	19.7	42.9	0.3	29
	1004	6.5	40.4	0.5	42
I-805 NB Ramps	8	25.4	42.5	0.3	26
Total		109.3	192.3	1.3	24

Arterial Level of Service: NB Camino Santa Fe

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Miramar Rd	32	25.9	34.1	0.1	8
	1054	0.3	7.0	0.4	209
Carroll Rd	47	22.9	46.6	0.3	22
Trade St	84	14.7	35.1	0.2	24
	1048	2.9	17.4	0.2	39
	83	3.1	18.8	0.2	42
	82	3.0	25.3	0.3	43
Flanders Dr	48	18.3	52.8	0.5	32
Mira Mesa Blvd	16	63.0	74.1	0.2	9
	1045	4.0	11.5	0.1	27
Top Gun St	81	1.9	12.8	0.1	40
	1034	0.9	33.3	0.4	43
Calle Cristobal	2	21.2	50.5	0.3	23
Total		182.1	419.3	3.3	28

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: SB Camino Santa Fe

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1034	1.3	30.0	0.3	39
Top Gun St	81	9.9	37.1	0.4	39
	1045	3.6	13.9	0.1	37
Mira Mesa Blvd	16	78.7	84.5	0.1	4
Flanders Dr	48	21.5	33.9	0.2	19
Miratech Dr	82	8.0	39.4	0.5	43
Summers Ridge Rd	83	6.9	28.7	0.3	38
	1048	2.6	18.7	0.2	42
	84	9.1	22.4	0.2	31
Carroll Rd	47	34.6	53.8	0.2	16
	1054	6.2	31.9	0.3	32
Miramar Rd	32	2.7	22.0	0.4	66
Total		185.0	416.1	3.2	28

Arterial Level of Service: NB Camino Ruiz

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Activity Rd	50	15.5	34.2	0.2	18
Carroll Canyon Rd	49	2.9	26.5	0.4	50
	1074	0.7	25.1	0.3	39
	1075	0.3	11.8	0.1	39
Gold Coast Dr	89	19.9	36.3	0.2	19
	1077	3.0	13.0	0.1	31
Mira Mesa Blvd	22	48.8	78.8	0.4	19
	1095	5.8	25.0	0.2	30
Capricorn Wy	88	17.0	70.8	0.6	33
Aquarius Dr	91	23.4	54.7	0.4	25
	3	5.4	13.4	0.1	31
Total		142.7	389.4	3.0	28

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: SB Camino Ruiz

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Calle Cristobal	3	10.3	20.7	0.1	14
Aquarius Dr	91	9.6	18.4	0.1	22
Teresa Dr	88	15.0	41.5	0.4	33
	1095	5.0	61.9	0.6	37
Mira Mesa Blvd	22	62.9	78.2	0.2	10
	1077	7.6	46.7	0.4	32
Gold Coast Dr	89	25.1	33.9	0.1	12
	1075	4.5	22.4	0.2	31
	1074	0.8	12.4	0.1	37
Carroll Canyon Rd	49	9.8	26.2	0.3	37
	50	10.1	34.9	0.4	38
Miramar Rd	41	87.6	103.6	0.2	6
Total		248.5	500.9	3.1	22

Arterial Level of Service: EB Mercy Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Black Mountain Rd	31	-	-	0.2	-
	1098	-	-	0.4	-
	1099	0.6	13.5	0.2	43
	1100	2.3	37.1	0.4	43
Alemania Rd	4	33.1	51.0	0.2	16
I-15 SB On-ramp	5	33.4	37.9	0.1	6
I-15 NB Off-ramp	6	17.4	24.0	0.1	13
Total		86.8	163.5	1.6	34

Arterial Level of Service: WB Mercy Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
I-15 SB Off-ramp	5	5.7	12.0	0.1	26
	4	12.6	16.7	0.1	13
	1100	3.9	21.8	0.2	37
	1099	2.7	37.8	0.4	42
	1098	1.0	13.9	0.2	41
Black Mountain Rd	31	23.0	58.3	0.4	27
Total		48.9	160.5	1.4	31

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: NB Black Mountain Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	75	3.3	30.2	0.2	26
Kearny Villa Rd	73	19.2	34.7	0.1	13
Maya Linda Rd	72	2.8	24.6	0.2	26
Carroll Canyon Rd	70	39.2	49.8	0.1	9
Gold Coast Dr	69	28.8	42.7	0.2	15
Miramar College Drwy	68	18.9	42.7	0.3	24
Hillery Dr	67	42.3	62.8	0.2	13
Mira Mesa Blvd	27	81.1	103.5	0.3	10
Gemini Ave	66	5.5	19.6	0.2	28
Galvin Ave	65	1.5	9.6	0.1	32
	1119	1.1	11.9	0.1	39
Capricorn Wy	64	20.8	29.5	0.1	16
Westview Pkwy	63	14.2	56.7	0.6	40
Babauta Rd	7	3.6	15.3	0.2	39
Mercy Rd	31	30.0	39.3	0.1	13
Total		312.4	573.0	3.1	19

Arterial Level of Service: SB Black Mountain Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mercy Rd	31	23.3	43.9	0.3	24
	7	5.5	15.1	0.1	33
	63	5.7	17.8	0.2	33
Capricorn Wy	64	34.7	76.6	0.6	29
	1119	9.7	19.6	0.1	24
Achilles Wy	65	10.0	19.3	0.1	24
Gemini Ave	66	18.8	27.2	0.1	11
Mira Mesa Blvd	27	50.2	64.1	0.2	8
Hillery Dr	67	45.4	72.0	0.3	15
Miramar College Drwy	68	5.7	26.6	0.2	32
Gold Coast Dr	69	39.4	64.1	0.3	16
	70	74.0	89.2	0.2	7
	72	47.8	66.2	0.1	8
Black Mountain Rd	73	89.6	109.3	0.2	6
Activity Rd	75	20.0	35.7	0.1	13
Miramar Rd	43	60.1	85.9	0.2	9
Total		539.8	832.8	3.3	15

Arterial Level of Service: EB Mira Sorrento PI

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Scranton Rd	61	19.9	50.6	0.3	23
Total		19.9	50.6	0.3	23

Arterial Level of Service: WB Mira Sorrento PI

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Vista Sorrento Pkwy	8	32.0	61.1	0.3	19
Total		32.0	61.1	0.3	19

Arterial Level of Service: NB Scranton Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mira Mesa Blvd	9	76.6	83.4	0.1	3
	1018	3.2	12.8	0.1	24
	1166	1.8	6.0	0.0	24
Mira Sorrento PI	61	3.6	6.5	0.0	22
Total		85.2	108.8	0.2	8

Arterial Level of Service: SB Scranton Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mira Sorrento PI	61	12.7	26.3	0.1	20
	1166	2.1	7.1	0.0	20
	1018	0.1	4.3	0.0	33
Mira Mesa Blvd	9	88.2	95.5	0.1	3
	1162	3.3	12.0	0.1	23
Total		106.3	145.2	0.4	10

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: EB Mira Mesa Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
I-805 NB Off-ramp	52	28.9	35.1	0.1	15
Scranton Rd	9	22.6	39.6	0.2	20
Oberline Dr	10	35.3	76.5	0.6	27
Pacific Heights Blvd	11	28.3	51.5	0.3	24
	12	13.0	39.7	0.4	35
	13	7.8	24.4	0.2	34
	14	8.1	25.1	0.2	34
	15	3.3	15.5	0.2	40
Camino Santa Fe	16	34.6	46.6	0.2	14
	17	25.2	44.4	0.3	22
	18	5.0	23.4	0.3	41
Parkdale Ave	19	6.0	33.6	0.4	42
Reagan Rd	20	23.2	54.5	0.4	26
	21	3.5	13.9	0.1	36
Camino Ruiz	22	21.9	33.9	0.2	18
Reagan Rd	23	24.9	50.2	0.3	22
Westonhill Dr	24	18.9	34.0	0.2	18
Greenford Dr	25	7.4	22.9	0.2	28
Marbury Ave	26	8.8	30.4	0.2	29
Black Mountain Rd	27	129.6	157.2	0.3	7
Westview Pkwy	28	65.7	90.0	0.2	10
	29	17.9	36.1	0.2	18
I-15 NB Off-ramp	30	17.3	34.7	0.2	18
Total		557.4	1013.4	5.9	21



Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: WB Mira Mesa Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	30	80.4	225.4	0.2	7
I-15 SB Off-ramp	29	160.6	183.2	0.2	4
Westview Pkwy	28	113.7	129.9	0.2	5
Black Mountain Rd	27	219.0	253.1	0.2	4
Westmore Rd	26	14.4	41.8	0.3	27
Greenford Dr	25	11.1	32.6	0.2	27
Westonhill Dr	24	20.9	36.3	0.2	17
New Salem St	23	53.2	67.6	0.2	9
Camino Ruiz	22	40.4	66.4	0.3	17
Driveway	21	24.2	43.2	0.2	16
Reagan Rd	20	33.6	44.3	0.1	11
Parkdale Ave	19	99.5	133.2	0.4	11
Aderman Ave	18	115.3	149.3	0.4	10
Schilling Ave	17	105.2	124.1	0.3	8
Camino Santa Fe	16	118.4	146.1	0.3	7
Viper Wy	15	89.0	101.7	0.2	6
Flanders Dr	14	99.6	116.0	0.2	6
Genetic Center Dr	13	132.5	153.6	0.2	6
Sequence Dr	12	154.0	175.8	0.2	5
Pacific Heights Blvd	11	50.4	76.7	0.4	18
Lusk Blvd	10	12.9	35.9	0.3	34
Scranton Rd	9	29.7	69.9	0.6	30
	52	31.0	50.5	0.2	16
Total		1809.1	2456.6	6.0	9

Arterial Level of Service: SB Lusk Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	54	3.6	11.9	0.1	36
Barnes Canyon Rd	57	9.0	27.5	0.3	35
Mira Mesa Blvd	10	9.3	22.9	0.3	52
Total		21.8	62.4	0.7	42

Arterial Level of Service: WB Lusk Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Barnes Canyon Rd	57	9.8	28.2	0.3	42
Pacific Center Blvd	54	10.2	29.0	0.3	33
Total		20.0	57.2	0.6	38

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: NB Pacific Heights Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mira Mesa Blvd	11	51.9	61.1	0.1	7
	1164	1.8	17.7	0.1	30
	92	3.5	13.1	0.1	30
Pacific Center Blvd	58	2.5	17.5	0.2	42
Total		59.6	109.4	0.6	19

Arterial Level of Service: SB Pacific Heights Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Barnes Canyon Rd	92	2.7	19.1	0.2	38
	1164	1.2	15.4	0.1	26
Mira Mesa Blvd	11	55.8	67.6	0.1	8
Total		59.7	102.0	0.5	16

Arterial Level of Service: NB Westview Pkwy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mira Mesa Blvd	28	57.2	77.4	0.2	11
Galvin Ave	77	17.4	35.8	0.2	21
Mira Lee Way	76	23.0	34.2	0.1	15
Dauntless St	90	12.0	26.5	0.2	22
	1110	3.7	51.2	0.6	41
Black Mountain Rd	63	20.5	38.8	0.2	19
Total		133.7	263.9	1.5	21

Arterial Level of Service: SB Westview Pkwy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1110	-	-	0.2	-
Capricorn Wy	90	369.9	403.3	0.6	5
	76	331.2	343.8	0.2	2
Galvin Ave	77	119.5	130.7	0.1	4
Mira Mesa Blvd	28	238.8	256.8	0.2	3
Total		1059.5	1134.6	1.3	4

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: EB Miramar Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Camino Santa Fe	32	8.2	33.4	0.4	39
	33	11.2	29.0	0.3	31
Production Ave	34	8.4	23.4	0.2	33
Distribution Ave	35	5.1	15.4	0.1	33
Miramar Wy	36	3.2	15.2	0.2	39
	37	3.7	22.0	0.3	42
Empire St	38	2.8	38.0	0.5	47
	39	4.5	22.8	0.3	41
	40	4.2	17.4	0.2	38
Camino Ruiz	41	14.7	53.4	0.6	41
Mitscher Wy	42	18.1	31.7	0.2	18
Black Mountain Rd	43	17.6	55.0	0.4	29
Kearny Villa Rd	44	30.3	48.5	0.2	15
Kearny Mesa Rd	80	8.2	16.7	0.1	20
	45	1.8	7.5	0.1	31
Total		141.9	429.4	3.9	33

Arterial Level of Service: WB Miramar Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	80	8.8	14.7	0.1	17
Kearny Villa Rd	44	34.8	41.9	0.1	8
Black Mountain Rd	43	40.1	56.7	0.2	13
Clayton Dr	42	171.3	220.2	0.4	8
Camino Ruiz	41	40.2	52.2	0.2	11
Cabot Dr	40	30.5	73.6	0.6	30
Dowdy Dr	39	25.1	38.3	0.2	17
Empire St	38	10.2	28.7	0.3	33
Carroll Rd	37	20.0	54.6	0.5	33
	36	18.2	36.5	0.3	25
Distribution Ave	35	9.6	21.8	0.2	27
Production Ave	34	6.9	17.1	0.1	30
Commerce Ave	33	23.2	37.9	0.2	20
Camino Santa Fe	32	37.7	55.3	0.3	16
Total		476.4	749.7	3.5	17

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: EB Carroll Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Rehco Rd	86	2.8	10.0	0.1	34
Camino Santa Fe	47	34.1	56.1	0.2	15
	1064	3.7	31.4	0.3	31
	87	2.8	27.7	0.3	41
Miramar Rd	37	50.2	66.7	0.2	9
Total		93.6	191.8	1.1	20

Arterial Level of Service: WB Carroll Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Kenamar Dr	87	-	-	0.2	-
	1064	3.3	35.9	0.3	32
Camino Santa Fe	47	26.8	49.3	0.3	19
Rehco Rd	86	8.2	31.4	0.2	27
Total		38.3	116.7	1.0	30

Arterial Level of Service: NB Kearny Villa Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Kearny Mesa Rd	74	107.1	275.2	0.1	5
Miramar Rd	44	106.3	121.0	0.2	6
Carroll Center Rd	73	21.2	51.2	0.4	27
Total		234.6	447.5	0.7	9

Arterial Level of Service: SB Kearny Villa Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Miramar Rd	44	51.2	80.4	0.4	17
Kearny Mesa Rd	74	5.1	22.0	0.2	34
Total		56.3	102.4	0.6	21

Arterial Level of Service: EB Pomerado Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
I-15 NB Ramps	46	22.4	38.8	0.2	20
	1157	5.6	20.5	0.2	29
Total		28.0	59.3	0.4	23

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: WB Pomerado Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1157	1.7	7.4	0.0	31
	46	34.4	47.8	0.2	12
I-15 SB Ramps	45	52.1	68.8	0.2	12
Total		88.2	124.0	0.4	13

Arterial Level of Service: EB Activity Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1069	1.0	16.0	0.1	25
	1147	1.0	22.0	0.2	33
	1146	0.8	14.1	0.1	33
Black Mountain Rd	75	1.8	15.7	0.3	58
Total		4.5	67.7	0.7	37

Arterial Level of Service: WB Activity Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1146	0.5	2.7	0.3	336
	1147	1.2	14.2	0.1	32
	1069	2.3	22.8	0.2	32
Camino Ruiz	50	2.2	8.4	0.1	48
Total		6.2	48.1	0.7	52

Arterial Level of Service: EB Carroll Canyon Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Business Access Rd	60	3.8	14.1	0.1	31
Scranton Rd	55	6.7	35.6	0.4	41
Youngstown Wy	62	4.6	33.1	0.4	39
Nancy Ridge Rd	85	5.1	17.6	0.2	32
Total		20.3	100.4	1.0	37

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: WB Carroll Canyon Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Youngstown Wy	62	1.7	14.1	0.2	40
Scranton Rd	55	7.1	35.6	0.4	36
Business Access Rd	60	2.6	33.0	0.4	44
Sorrento Valley Rd	51	48.3	60.1	0.1	7
Total		59.7	142.8	1.0	26

Arterial Level of Service: EB Sorrento Valley Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Carroll Canyon Rd	51	45.6	56.3	0.1	9
Total		45.6	56.3	0.1	9

Arterial Level of Service: NW Sorrento Valley Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
I-805 SB Ramps	51	32.0	36.2	0.1	11
Total		32.0	36.2	0.1	11

Arterial Level of Service: EB Pacific Center Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Pacific Heights Blvd	58	-	-	0.4	-
Pacific Mesa Blvd	59	3.1	15.5	0.2	53
Total		3.1	15.5	0.6	135

Arterial Level of Service: SB Pacific Center Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	59	6.1	15.4	0.1	26
	58	2.7	13.6	0.2	61
Lusk Blvd	54	2.2	18.4	0.4	69
Total		11.0	47.4	0.7	53

Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: EB Barnes Canyon Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Lusk Blvd	57	17.6	29.7	0.1	15
Pacific Heights Blvd	92	4.2	15.5	0.2	42
Total		21.8	45.1	0.3	24

Arterial Level of Service: WB Barnes Canyon Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Lusk Blvd	57	9.4	24.9	0.2	26
Total		9.4	24.9	0.2	26

Arterial Level of Service: EB Capricorn Wy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	100	131.6	1404.4	0.1	2
Black Mountain Rd	64	115.3	121.8	0.1	2
	1167	20.6	27.2	0.0	5
Westview Pkwy	90	286.2	323.9	0.3	3
Total		553.6	1877.2	0.5	3

Arterial Level of Service: WB Capricorn Wy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1167	1.0	41.6	0.3	24
Black Mountain Rd	64	61.4	68.2	0.0	2
	100	1.6	10.1	0.1	20
Total		64.0	119.9	0.4	11

Arterial Level of Service: EB Galvin Ave

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Westview Pkwy	77	32.0	48.4	0.3	22
Total		32.0	48.4	0.3	22

Arterial Level of Service: WB Galvin Ave

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Black Mountain Rd	65	30.8	58.0	0.3	19
Total		30.8	58.0	0.3	19



Arterial Level of Service  
Existing

Existing  
Timing Plan: AM Peak

Arterial Level of Service: EB Gold Coast Dr

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Camino Ruiz	89	42.7	64.2	0.1	7
	1144	4.3	62.7	0.4	24
	1143	2.5	40.2	0.3	23
Black Mountain Rd	69	59.2	118.1	0.6	19
Total		108.6	285.2	1.4	18

Arterial Level of Service: WB Gold Coast Dr

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Black Mountain Rd	69	47.1	70.0	0.2	9
	1143	8.6	93.4	0.6	23
	1144	4.1	41.2	0.3	23
Camino Ruiz	89	17.0	56.1	0.4	26
Total		76.8	260.6	1.4	20

Arterial Level of Service: WB Maya Linda Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Black Mountain Rd	72	47.3	69.3	0.2	8
Total		47.3	69.3	0.2	8

Arterial Level of Service: NB Kearny Mesa Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Miramar Rd	80	67.4	91.0	0.2	7
Total		67.4	91.0	0.2	7

Arterial Level of Service: SB Kearny Mesa Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Kearny Villa Rd	74	-	-	0.2	-
Total		-	-	0.2	-

## Arterial Level of Service: NB Black Mountain Rd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
	II	30	28.2	28.9	57.1	0.22	14.0	E
Kearny Villa Rd	II	30	17.1	30.5	47.6	0.13	9.6	F
Maya Linda Rd	II	40	20.8	8.4	29.2	0.18	22.3	C
Carroll Canyon Rd	II	40	14.5	36.5	51.0	0.13	8.9	F
Gold Coast Dr	II	40	20.0	27.1	47.1	0.17	13.3	E
Miramar College Drwy	II	40	29.0	23.6	52.6	0.28	19.4	D
Hillery Dr	II	40	25.9	58.7	84.6	0.24	10.0	F
Mira Mesa Blvd	II	40	29.9	87.1	117.0	0.29	9.0	F
Gemini Ave	II	35	18.8	29.1	47.9	0.15	11.3	F
Galvin Ave	II	35	10.5	5.2	15.7	0.08	19.3	D
Capricorn Wy	II	50	26.1	33.7	59.8	0.26	15.7	E
Westview Pkwy	II	50	45.0	23.8	68.8	0.62	32.7	B
Mercy Rd	II	50	28.7	35.0	63.7	0.30	17.1	D
Total	II		314.5	427.6	742.1	3.06	14.9	E

## Arterial Level of Service: SB Black Mountain Rd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Mercy Rd	II	50	26.4	18.0	44.4	0.28	22.5	C
	II	50	28.7	5.1	33.8	0.30	32.2	B
Capricorn Wy	II	50	45.0	44.6	89.6	0.62	25.1	C
Achilles Wy	II	50	26.1	4.4	30.5	0.26	30.8	B
Gemini Ave	II	35	10.5	23.4	33.9	0.08	9.0	F
Mira Mesa Blvd	II	35	18.8	79.4	98.2	0.15	5.5	F
Hillery Dr	II	40	29.9	53.2	83.1	0.29	12.7	F
Miramar College Drwy	II	40	25.9	1.2	27.1	0.24	31.2	B
Gold Coast Dr	II	40	29.0	34.9	63.9	0.28	16.0	E
	II	40	20.0	4.8	24.8	0.17	25.3	C
	II	40	14.5	2.1	16.6	0.13	27.3	C
Black Mountain Rd	II	40	20.8	1.7	22.5	0.18	28.9	B
Activity Rd	II	30	17.1	34.0	51.1	0.13	9.0	F
Miramar Rd	II	30	28.2	79.9	108.1	0.22	7.4	F
Total	II		340.9	386.7	727.6	3.34	16.5	E

## Arterial Level of Service: NB Camino Santa Fe

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Miramar Rd	II	30	10.9	63.1	74.0	0.08	3.8	F
Carroll Rd	II	40	61.8	48.6	110.4	0.69	22.4	C
Trade St	II	40	25.5	26.4	51.9	0.23	16.1	E
Summers Ridge Rd	II	50	35.2	8.8	44.0	0.41	33.5	B
	II	50	28.9	13.7	42.6	0.30	25.7	C
Flanders Dr	II	50	38.4	38.9	77.3	0.47	21.8	D
Mira Mesa Blvd	II	50	17.6	89.1	106.7	0.18	5.9	F
Top Gun St	II	45	23.8	19.9	43.7	0.23	18.9	D
Calle Cristobal	II	45	57.8	43.2	101.0	0.72	25.8	C
Total	II		299.9	351.7	651.6	3.31	18.3	D

## Arterial Level of Service: SB Camino Santa Fe

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Top Gun St	I	50	52.1	32.7	84.8	0.72	30.7	C
Mira Mesa Blvd	I	50	22.9	88.7	111.6	0.23	7.4	F
Flanders Dr	I	50	17.6	24.4	42.0	0.18	15.1	F
Miratech Dr	I	50	38.4	11.8	50.2	0.47	33.6	C
Summers Ridge Rd	I	50	28.9	9.8	38.7	0.30	28.3	C
	I	50	35.2	13.9	49.1	0.41	30.0	C
Carroll Rd	I	40	25.5	46.2	71.7	0.23	11.6	F
Miramar Rd	I	40	61.8	82.4	144.2	0.69	17.1	E
Total	I		282.4	309.9	592.3	3.23	19.6	E

## Arterial Level of Service: EB Miramar Rd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
Camino Santa Fe	I	50	32.2	18.7	50.9	0.35	25.0	D
	I	50	25.0	5.5	30.5	0.25	29.5	C
Production Ave	I	50	21.2	6.9	28.1	0.21	27.2	C
Distribution Ave	I	50	14.1	3.4	17.5	0.14	29.1	C
Miramar Wy	I	50	16.6	17.6	34.2	0.17	17.4	E
	I	50	25.6	4.7	30.3	0.26	30.4	C
	I	50	38.6	9.7	48.3	0.49	36.8	B
	I	50	26.0	19.4	45.4	0.26	20.6	E
	I	50	18.4	6.6	25.0	0.18	26.6	D
Camino Ruiz	I	50	43.9	8.5	52.4	0.61	41.9	B
Mitscher Wy	I	40	18.0	45.3	63.3	0.16	8.9	F
	I	40	42.0	9.5	51.5	0.44	30.9	C
Kearny Villa Rd	I	40	23.5	37.4	60.9	0.20	12.1	F
Kearny Mesa Rd	I	40	10.6	5.0	15.6	0.09	21.2	D
	I	40	7.4	2.4	9.8	0.06	23.8	D
Total	I		363.1	200.6	563.7	3.89	24.8	D

## Arterial Level of Service: WB Miramar Rd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
	I	45	6.7	16.4	23.1	0.06	10.1	F
Kearny Villa Rd	I	45	9.6	22.9	32.5	0.09	10.2	F
Black Mountain Rd	I	45	21.3	18.7	40.0	0.20	18.4	E
Clayton Dr	I	45	40.2	46.4	86.6	0.44	18.4	E
Camino Ruiz	I	45	16.2	19.2	35.4	0.16	15.9	F
Cabot Dr	I	50	43.9	25.1	69.0	0.61	31.8	C
Dowdy Dr	I	50	18.4	3.2	21.6	0.18	30.7	C
Empire St	I	50	26.0	12.5	38.5	0.26	24.3	D
Carroll Rd	I	50	38.6	22.0	60.6	0.49	29.4	C
	I	50	25.6	1.7	27.3	0.26	33.7	C
Distribution Ave	I	50	16.6	8.2	24.8	0.17	24.1	D
Production Ave	I	50	14.1	0.8	14.9	0.14	34.2	B
Commerce Ave	I	50	21.2	17.0	38.2	0.21	20.0	E
Camino Santa Fe	I	50	25.0	22.8	47.8	0.25	18.8	E
Total	I		323.4	236.9	560.3	3.53	22.7	D

## Arterial Level of Service: EB Mira Mesa Blvd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
I-805 NB Off-ramp	II	45	25.3	21.9	47.2	0.24	18.6	D
Scranton Rd	II	45	24.4	31.0	55.4	0.22	14.5	E
Oberline Dr	II	50	41.9	25.3	67.2	0.58	31.2	B
Pacific Heights Blvd	II	50	30.9	42.4	73.3	0.34	16.7	E
	II	50	33.0	20.1	53.1	0.38	26.0	C
	II	50	23.2	15.0	38.2	0.23	21.9	D
	II	50	23.6	15.0	38.6	0.24	22.0	C
	II	50	17.1	6.9	24.0	0.17	25.7	C
Camino Santa Fe	II	50	17.5	270.8	288.3	0.18	2.2	F
	II	50	27.4	18.3	45.7	0.27	21.6	D
	II	50	26.6	10.7	37.3	0.27	25.7	C
Parkdale Ave	II	50	33.9	34.5	68.4	0.39	20.7	D
Reagan Rd	II	45	37.3	17.6	54.9	0.40	26.0	C
	II	45	15.0	1.4	16.4	0.14	30.3	B
Camino Ruiz	II	45	18.4	41.9	60.3	0.17	10.1	F
Reagan Rd	II	40	31.7	12.0	43.7	0.31	25.6	C
Westonhill Dr	II	40	19.6	31.8	51.4	0.17	12.0	F
Greenford Dr	II	40	20.2	4.6	24.8	0.18	25.5	C
Marbury Ave	II	40	27.1	7.8	34.9	0.25	25.4	C
Black Mountain Rd	II	40	31.8	82.8	114.6	0.31	9.8	F
Westview Pkwy	II	35	29.6	69.3	98.9	0.25	9.1	F
	II	35	21.9	8.7	30.6	0.18	20.6	D
I-15 NB Off-ramp	II	35	22.2	23.3	45.5	0.18	14.1	E
Total	II		599.6	813.1	1412.7	6.04	15.4	E

## Arterial Level of Service: WB Mira Mesa Blvd

Cross Street	Arterial Class	Flow Speed	Running Time	Signal Delay	Travel Time (s)	Dist (mi)	Arterial Speed	Arterial LOS
	II	35	22.6	15.5	38.1	0.18	17.1	D
I-15 SB Off-ramp	II	35	22.2	33.5	55.7	0.18	11.5	F
Westview Pkwy	II	35	21.9	44.3	66.2	0.18	9.5	F
Black Mountain Rd	II	35	29.6	89.7	119.3	0.25	7.5	F
Westmore Rd	II	40	31.8	4.1	35.9	0.31	31.2	B
Greenford Dr	II	40	27.1	13.6	40.7	0.25	21.8	D
Westonhill Dr	II	40	20.2	49.2	69.4	0.18	9.1	F
New Salem St	II	40	19.6	13.6	33.2	0.17	18.5	D
Camino Ruiz	II	40	31.7	50.0	81.7	0.31	13.7	E
Driveway	II	45	18.4	7.6	26.0	0.17	23.4	C
Reagan Rd	II	45	15.0	13.9	28.9	0.14	17.2	D
Parkdale Ave	II	45	37.3	16.6	53.9	0.40	26.5	C
Aderman Ave	II	50	33.9	7.2	41.1	0.39	34.5	B
Schilling Ave	II	50	26.6	4.8	31.4	0.27	30.5	B
Camino Santa Fe	II	50	27.4	22.7	50.1	0.27	19.7	D
Viper Wy	II	50	17.5	3.8	21.3	0.18	29.6	B
Flanders Dr	II	50	17.1	21.0	38.1	0.17	16.2	E
Genetic Center Dr	II	50	23.6	14.9	38.5	0.24	22.1	C
Sequence Dr	II	50	23.2	23.4	46.6	0.23	18.0	D
Pacific Heights Blvd	II	50	33.0	44.5	77.5	0.38	17.8	D
Lusk Blvd	II	50	30.9	14.2	45.1	0.34	27.1	C
Scranton Rd	II	50	41.9	32.6	74.5	0.58	28.1	B
	II	40	25.7	31.7	57.4	0.22	14.0	E
Total	II		598.2	572.4	1170.6	5.98	18.4	D

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: NB Vista Sorrento Pkwy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1004	4.7	26.1	0.3	43
Lusk Blvd	53	20.0	47.7	0.5	35
Sorrento Valley Blvd	1	108.5	132.1	0.3	9
Total		133.3	205.9	1.1	20

Arterial Level of Service: SB Vista Sorrento Pkwy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Sorrento Valley Blvd	1	61.8	70.5	0.1	7
Lusk Blvd	53	22.7	45.4	0.3	27
	1004	5.0	36.9	0.5	46
I-805 NB Ramps	8	107.3	125.3	0.3	9
Total		196.8	278.1	1.3	16

Arterial Level of Service: NB Camino Santa Fe

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Miramar Rd	32	60.2	68.4	0.1	4
	1054	1.9	29.2	0.4	50
Carroll Rd	47	27.9	51.1	0.3	20
Trade St	84	21.8	42.0	0.2	20
	1048	6.0	20.3	0.2	34
Summers Ridge Rd	83	5.9	21.1	0.2	37
	82	7.2	28.8	0.3	38
Flanders Dr	48	74.3	107.1	0.5	16
Mira Mesa Blvd	16	77.2	89.0	0.2	7
	1045	5.0	12.5	0.1	25
Top Gun St	81	11.9	22.6	0.1	23
	1034	4.7	36.0	0.4	40
Calle Cristobal	2	27.2	56.2	0.3	21
Total		331.3	584.3	3.3	20



Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: SB Camino Santa Fe

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1034	-	-	0.3	-
Top Gun St	81	18.0	46.5	0.4	31
	1045	5.1	15.5	0.1	33
Mira Mesa Blvd	16	88.8	94.5	0.1	3
Flanders Dr	48	22.4	32.4	0.2	20
Miratech Dr	82	8.2	40.4	0.5	42
Summers Ridge Rd	83	7.5	28.4	0.3	39
	1048	2.4	18.7	0.2	42
	84	10.5	23.5	0.2	29
Carroll Rd	47	31.2	51.3	0.2	16
	1054	5.9	31.7	0.3	32
Miramar Rd	32	24.3	47.2	0.4	31
Total		224.1	430.1	3.2	27

Arterial Level of Service: NB Camino Ruiz

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Activity Rd	50	125.7	143.1	0.2	4
Carroll Canyon Rd	49	10.5	39.5	0.4	34
	1074	3.5	28.0	0.3	35
	1075	1.3	12.8	0.1	36
Gold Coast Dr	89	21.6	36.9	0.2	19
	1077	3.8	14.0	0.1	29
Mira Mesa Blvd	22	50.7	81.2	0.4	19
	1095	9.7	29.0	0.2	26
Capricorn Wy	88	16.3	61.2	0.6	38
Aquarius Dr	91	18.9	48.3	0.4	28
	3	4.9	14.3	0.1	29
Total		266.8	508.2	3.0	21

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: SB Camino Ruiz

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Calle Cristobal	3	23.4	33.7	0.1	8
Aquarius Dr	91	16.6	24.1	0.1	17
Teresa Dr	88	15.2	49.0	0.4	28
	1095	5.8	63.9	0.6	36
Mira Mesa Blvd	22	64.8	81.1	0.2	9
	1077	9.2	47.7	0.4	32
Gold Coast Dr	89	25.1	34.8	0.1	11
	1075	44.1	60.4	0.2	12
	1074	73.8	84.9	0.1	5
Carroll Canyon Rd	49	237.7	256.0	0.3	4
	50	263.0	981.6	0.4	5
Miramar Rd	41	535.8	549.4	0.2	1
Total		1314.6	2266.6	3.1	7

Arterial Level of Service: EB Mercy Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Black Mountain Rd	31	120.1	132.9	0.2	4
	1098	0.4	3.9	0.4	401
	1099	0.6	13.5	0.2	42
	1100	2.1	37.1	0.4	42
Alemania Rd	4	27.6	45.1	0.2	18
I-15 SB On-ramp	5	48.1	52.6	0.1	4
I-15 NB Off-ramp	6	23.9	30.5	0.1	10
Total		222.8	315.7	1.6	18

Arterial Level of Service: WB Mercy Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
I-15 SB Off-ramp	5	37.7	44.0	0.1	7
	4	17.2	21.3	0.1	10
	1100	4.6	22.6	0.2	36
	1099	2.7	37.8	0.4	42
	1098	1.0	13.9	0.2	41
Black Mountain Rd	31	2.5	18.2	0.4	85
Total		65.7	157.9	1.4	32

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: NB Black Mountain Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	75	13.2	24.0	0.2	34
Kearny Villa Rd	73	27.2	43.4	0.1	11
Maya Linda Rd	72	11.3	32.6	0.2	20
Carroll Canyon Rd	70	28.3	39.9	0.1	12
Gold Coast Dr	69	32.4	48.0	0.2	13
Miramar College Drwy	68	26.3	51.7	0.3	20
Hillery Dr	67	38.2	58.4	0.2	14
Mira Mesa Blvd	27	95.9	118.7	0.3	9
Gemini Ave	66	15.7	30.8	0.2	18
Galvin Ave	65	4.0	12.4	0.1	24
	1119	1.4	12.4	0.1	38
Capricorn Wy	64	26.5	35.8	0.1	13
Westview Pkwy	63	36.8	81.3	0.6	28
Babauta Rd	7	35.1	47.3	0.2	13
Mercy Rd	31	73.3	82.9	0.1	6
Total		465.5	719.6	3.1	15

Arterial Level of Service: SB Black Mountain Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mercy Rd	31	21.4	41.7	0.3	25
	7	3.8	13.3	0.1	37
	63	4.8	16.9	0.2	35
Capricorn Wy	64	46.7	90.5	0.6	25
	1119	7.5	17.4	0.1	27
Achilles Wy	65	4.0	13.3	0.1	35
Gemini Ave	66	17.9	26.2	0.1	12
Mira Mesa Blvd	27	59.8	72.9	0.2	7
Hillery Dr	67	34.5	61.2	0.3	17
Miramar College Drwy	68	3.9	24.6	0.2	34
Gold Coast Dr	69	34.2	58.8	0.3	17
	70	5.1	20.0	0.2	31
	72	1.4	12.7	0.1	36
Black Mountain Rd	73	5.7	25.8	0.2	25
Activity Rd	75	16.7	32.6	0.1	14
Miramar Rd	43	153.7	179.9	0.2	4
Total		421.2	707.8	3.3	17

Arterial Level of Service: EB Mira Sorrento PI

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Scranton Rd	61	31.4	57.4	0.3	21
Total		31.4	57.4	0.3	21

Arterial Level of Service: WB Mira Sorrento PI

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Vista Sorrento Pkwy	8	46.9	77.5	0.3	15
Total		46.9	77.5	0.3	15

Arterial Level of Service: NB Scranton Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mira Mesa Blvd	9	65.2	71.3	0.1	4
	1018	3.0	12.8	0.1	24
	1166	1.1	5.3	0.0	27
Mira Sorrento PI	61	4.9	8.7	0.0	17
Total		74.2	98.1	0.2	9

Arterial Level of Service: SB Scranton Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mira Sorrento PI	61	43.0	57.0	0.1	9
	1166	3.2	8.2	0.0	17
	1018	0.3	4.5	0.0	32
Mira Mesa Blvd	9	72.8	81.1	0.1	4
	1162	3.3	12.4	0.1	23
Total		122.5	163.1	0.4	9

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: EB Mira Mesa Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
I-805 NB Off-ramp	52	21.9	26.9	0.1	18
Scranton Rd	9	29.9	46.6	0.2	17
Oberline Dr	10	46.3	87.8	0.6	24
Pacific Heights Blvd	11	156.7	177.6	0.3	7
	12	160.1	221.7	0.4	7
	13	121.2	164.1	0.2	6
	14	137.1	158.3	0.2	6
	15	108.6	124.0	0.2	5
Camino Santa Fe	16	120.3	135.2	0.2	5
	17	14.7	33.9	0.3	29
	18	9.4	28.5	0.3	34
Parkdale Ave	19	31.8	59.6	0.4	24
Reagan Rd	20	19.2	49.0	0.4	29
	21	5.4	16.3	0.1	31
Camino Ruiz	22	30.0	43.1	0.2	14
Reagan Rd	23	9.4	37.1	0.3	30
Westonhill Dr	24	23.1	38.2	0.2	16
Greenford Dr	25	10.3	26.0	0.2	24
Marbury Ave	26	12.8	34.6	0.2	26
Black Mountain Rd	27	70.3	96.6	0.3	12
Westview Pkwy	28	88.9	113.0	0.2	8
	29	23.0	41.2	0.2	15
I-15 NB Off-ramp	30	27.8	45.7	0.2	14
Total		1278.3	1805.0	5.9	12

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: WB Mira Mesa Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	30	22.2	41.3	0.2	16
I-15 SB Off-ramp	29	32.7	50.2	0.2	13
Westview Pkwy	28	41.5	57.8	0.2	11
Black Mountain Rd	27	85.1	110.1	0.2	8
Westmore Rd	26	14.2	40.7	0.3	28
Greenford Dr	25	13.0	34.6	0.2	26
Westonhill Dr	24	30.0	45.8	0.2	14
New Salem St	23	18.7	33.8	0.2	18
Camino Ruiz	22	43.0	69.2	0.3	16
Driveway	21	8.8	22.6	0.2	27
Reagan Rd	20	7.3	17.9	0.1	28
Parkdale Ave	19	20.4	51.0	0.4	28
Aderman Ave	18	9.6	37.5	0.4	38
Schilling Ave	17	8.7	27.4	0.3	35
Camino Santa Fe	16	22.1	41.4	0.3	24
Viper Wy	15	3.3	15.2	0.2	41
Flanders Dr	14	8.7	21.1	0.2	29
Genetic Center Dr	13	8.6	25.6	0.2	33
Sequence Dr	12	15.8	31.6	0.2	26
Pacific Heights Blvd	11	39.9	66.2	0.4	21
Lusk Blvd	10	16.6	40.2	0.3	30
Scranton Rd	9	49.5	88.6	0.6	24
	52	28.4	47.7	0.2	17
Total		548.2	1017.4	6.0	21

Arterial Level of Service: SB Lusk Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	54	5.1	13.1	0.1	32
Barnes Canyon Rd	57	17.6	36.8	0.3	26
Mira Mesa Blvd	10	70.6	88.7	0.3	14
Total		93.4	138.5	0.7	19

Arterial Level of Service: WB Lusk Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Barnes Canyon Rd	57	16.0	32.4	0.3	37
Pacific Center Blvd	54	11.7	31.3	0.3	31
Total		27.6	63.7	0.6	34

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: NB Pacific Heights Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mira Mesa Blvd	11	79.5	88.4	0.1	5
	1164	2.4	20.4	0.1	26
	92	6.0	16.8	0.1	23
Pacific Center Blvd	58	2.1	15.9	0.2	46
Total		90.0	141.6	0.6	15

Arterial Level of Service: SB Pacific Heights Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Barnes Canyon Rd	92	14.1	31.2	0.2	24
	1164	2.2	15.8	0.1	25
Mira Mesa Blvd	11	22.5	212.5	0.1	15
Total		38.8	259.5	0.5	20

Arterial Level of Service: NB Westview Pkwy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Mira Mesa Blvd	28	233.2	863.6	0.2	3
Galvin Ave	77	13.0	31.4	0.2	24
Mira Lee Way	76	21.7	34.3	0.1	15
Dauntless St	90	8.9	23.7	0.2	25
	1110	3.1	50.6	0.6	42
Black Mountain Rd	63	28.3	48.4	0.2	15
Total		308.3	1052.0	1.5	13

Arterial Level of Service: SB Westview Pkwy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1110	1.1	22.5	0.2	32
Capricorn Wy	90	13.4	55.3	0.6	38
	76	21.5	35.6	0.2	16
Galvin Ave	77	14.5	26.4	0.1	20
Mira Mesa Blvd	28	65.5	82.5	0.2	9
Total		116.0	222.4	1.3	21



Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: EB Miramar Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Camino Santa Fe	32	17.7	43.1	0.4	30
	33	11.5	29.7	0.3	30
Production Ave	34	9.3	24.4	0.2	31
Distribution Ave	35	7.1	17.4	0.1	29
Miramar Wy	36	11.3	23.1	0.2	26
	37	13.2	31.2	0.3	30
	38	11.6	46.1	0.5	39
	39	15.2	33.6	0.3	28
	40	12.3	25.4	0.2	26
Camino Ruiz	41	197.3	238.8	0.6	9
Mitscher Wy	42	108.4	128.0	0.2	5
	43	252.6	359.1	0.4	5
Kearny Villa Rd	44	76.4	94.1	0.2	8
Kearny Mesa Rd	80	11.3	20.0	0.1	17
	45	1.8	7.4	0.1	32
Total		757.1	1121.5	3.9	13

Arterial Level of Service: WB Miramar Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	80	10.3	15.4	0.1	15
Kearny Villa Rd	44	14.4	21.6	0.1	15
Black Mountain Rd	43	8.6	24.6	0.2	30
Clayton Dr	42	59.7	93.6	0.4	17
Camino Ruiz	41	23.0	35.1	0.2	16
Cabot Dr	40	19.1	61.9	0.6	35
Dowdy Dr	39	7.4	20.5	0.2	32
Empire St	38	8.9	27.3	0.3	34
Carroll Rd	37	24.0	58.6	0.5	30
	36	5.8	24.1	0.3	38
Distribution Ave	35	6.7	18.8	0.2	32
Production Ave	34	2.9	13.2	0.1	39
Commerce Ave	33	11.6	26.5	0.2	29
Camino Santa Fe	32	20.9	38.2	0.3	24
Total		223.4	479.3	3.5	27

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: EB Carroll Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Rehco Rd	86	12.3	19.8	0.1	17
Camino Santa Fe	47	38.2	60.7	0.2	14
	1064	4.6	32.2	0.3	30
	87	7.7	38.8	0.3	30
Miramar Rd	37	53.9	71.2	0.2	8
Total		116.6	222.7	1.1	17

Arterial Level of Service: WB Carroll Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Kenamar Dr	87	4.1	11.3	0.2	51
	1064	2.1	35.2	0.3	33
Camino Santa Fe	47	36.4	57.4	0.3	17
Rehco Rd	86	7.6	31.7	0.2	27
Total		50.3	135.6	1.0	26

Arterial Level of Service: NB Kearny Villa Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Kearny Mesa Rd	74	0.9	13.0	0.1	42
Miramar Rd	44	94.6	110.1	0.2	7
Carroll Center Rd	73	25.5	59.0	0.4	24
Total		121.0	182.1	0.7	15

Arterial Level of Service: SB Kearny Villa Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Miramar Rd	44	83.9	111.4	0.4	13
Kearny Mesa Rd	74	5.6	22.3	0.2	34
Total		89.5	133.8	0.6	16

Arterial Level of Service: EB Pomerado Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
I-15 NB Ramps	46	21.3	38.6	0.2	21
	1157	5.6	20.5	0.2	29
Total		26.9	59.1	0.4	23

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: WB Pomerado Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1157	1.1	6.0	0.0	35
	46	22.7	36.2	0.2	16
I-15 SB Ramps	45	7.7	24.6	0.2	32
Total		31.5	66.7	0.4	24

Arterial Level of Service: EB Activity Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1069	1.7	12.2	0.1	33
	1147	1.4	22.0	0.2	33
	1146	1.2	14.4	0.1	32
Black Mountain Rd	75	3.7	22.6	0.3	40
Total		8.0	71.2	0.7	35

Arterial Level of Service: WB Activity Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1146	0.9	10.0	0.3	91
	1147	0.6	13.8	0.1	33
	1069	28.3	48.0	0.2	15
Camino Ruiz	50	437.7	449.8	0.1	1
Total		467.5	521.7	0.7	5

Arterial Level of Service: EB Carroll Canyon Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Business Access Rd	60	4.6	14.7	0.1	29
Scranton Rd	55	3.6	34.8	0.4	42
Youngstown Wy	62	3.7	31.3	0.4	41
Nancy Ridge Rd	85	6.9	19.2	0.2	29
Total		18.7	99.9	1.0	38

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: WB Carroll Canyon Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Youngstown Wy	62	5.2	17.4	0.2	33
Scranton Rd	55	9.3	36.4	0.4	36
Business Access Rd	60	4.9	32.9	0.4	45
Sorrento Valley Rd	51	31.5	44.2	0.1	10
Total		50.9	130.8	1.0	29

Arterial Level of Service: EB Sorrento Valley Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Carroll Canyon Rd	51	36.4	47.1	0.1	11
Total		36.4	47.1	0.1	11

Arterial Level of Service: NW Sorrento Valley Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
I-805 SB Ramps	51	15.8	20.1	0.1	19
Total		15.8	20.1	0.1	19

Arterial Level of Service: EB Pacific Center Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Pacific Heights Blvd	58	19.1	48.5	0.4	26
Pacific Mesa Blvd	59	15.7	29.4	0.2	28
Total		34.8	78.0	0.6	27

Arterial Level of Service: SB Pacific Center Blvd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	59	4.1	13.6	0.1	29
	58	14.7	26.9	0.2	31
Lusk Blvd	54	17.2	52.2	0.4	24
Total		36.0	92.8	0.7	27

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: EB Barnes Canyon Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Lusk Blvd	57	18.6	32.1	0.1	14
Pacific Heights Blvd	92	20.7	37.2	0.2	17
Total		39.3	69.3	0.3	16

Arterial Level of Service: WB Barnes Canyon Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Lusk Blvd	57	14.0	29.6	0.2	22
Total		14.0	29.6	0.2	22

Arterial Level of Service: EB Capricorn Wy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	102	88.3	1378.9	0.1	4
Black Mountain Rd	64	65.0	71.8	0.1	3
	1167	1.1	7.7	0.0	18
Westview Pkwy	90	4.6	29.5	0.3	34
Total		159.0	1487.9	0.5	8

Arterial Level of Service: WB Capricorn Wy

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
	1167	1.1	25.7	0.3	39
Black Mountain Rd	64	61.7	66.1	0.0	2
	102	1.9	10.6	0.1	19
Total		64.7	102.4	0.4	13

Arterial Level of Service: EB Galvin Ave

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Westview Pkwy	77	7.3	22.4	0.3	48
Total		7.3	22.4	0.3	48

Arterial Level of Service: WB Galvin Ave

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Black Mountain Rd	65	0.3	19.3	0.3	56
Total		0.3	19.3	0.3	56

Arterial Level of Service  
Existing

Existing  
Timing Plan: PM Peak

Arterial Level of Service: EB Gold Coast Dr

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Camino Ruiz	89	35.1	51.8	0.1	8
	1144	6.3	65.2	0.4	23
	1143	4.1	42.0	0.3	22
Black Mountain Rd	69	172.0	285.5	0.6	9
Total		217.6	444.5	1.4	13

Arterial Level of Service: WB Gold Coast Dr

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Black Mountain Rd	69	68.7	91.5	0.2	7
	1143	7.1	85.5	0.6	26
	1144	3.6	41.2	0.3	23
Camino Ruiz	89	11.2	48.1	0.4	31
Total		90.6	266.3	1.4	20

Arterial Level of Service: WB Maya Linda Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Black Mountain Rd	72	71.3	92.9	0.2	6
Total		71.3	92.9	0.2	6

Arterial Level of Service: NB Kearny Mesa Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Miramar Rd	80	32.8	55.8	0.2	11
Total		32.8	55.8	0.2	11

Arterial Level of Service: SB Kearny Mesa Rd

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (mi)	Arterial Speed
Kearny Villa Rd	74	14.1	38.6	0.2	16
Total		14.1	38.6	0.2	16

## APPENDIX H

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### CALTRANS FREEWAY TRAFFIC VOLUMES AND RAMP METER RATES



## 2017 Traffic Volumes on California State Highways

DIS	RTE	ICNTY	PM	PM	PM	DESCRIPTION	BACK	_BACK	_PE	BACK	_A	HEAD	_PE	/AHEAD	PEAK	AHEAD	_AAD
11	015	S	SD			11.890	BEGIN ROUTE 15S HOV LANES ONLY						2500		23000		20300
11	015	S	SD			15.000	CARROLL CANYON ROAD (HOV)	2500	23000	20300			5400		48500		44500
11	015	S	SD			20.577	CARMEL MOUNTAIN ROAD	4450	42500	39000			4800		45000		40500
11	015	S	SD			23.688	RANCHO BERNARDO ROAD	4800	45000	40500			4650		42000		37500
11	015	S	SD			30.856	END ROUTE 15S HOV LANES ONLY; JCT. RTE. 15	4650	42000	32000							
11	015		SD			0.405	MAIN STREET UC						620		8000		7800
11	015	SD		R		0.000	JCT. RTE. 5, RIGHT ALIGN						5100		56000		53000
11	015	SD		R		0.000	JCT. RTE. 5, LEFT ALIGN						4700		59000		56000
11	015	SD		R		0.588	SAN DIEGO, OCEANVIEW BOULEVARD	9700	114000	110000			9300		124000		121000
11	015	SD				1.846	SAN DIEGO, MARKET STREET	9300	124000	121000			12000		139000		134000
11	015	SD				2.226	JCT. RTE. 94	12000	139000	134000			11900		131000		128000
11	015	SD		R		3.367	JCT. RTE. 805	11900	131000	128000			13600		178000		176000
11	015	SD		M		4.663	SAN DIEGO, UNIVERSITY AVENUE	13600	178000	176000			14000		175000		174000
11	015	SD		M		5.042	SAN DIEGO, EL CAJON BOULEVARD	14000	175000	174000			13900		173000		172000
11	015	SD		M		5.600	SAN DIEGO, ADAMS AVENUE	13900	173000	172000			14600		182000		179000
11	015	SD		R		6.132	JCT. RTE. 8	14600	182000	179000			17500		228000		221000
11	015	SD		R		6.817	SAN DIEGO, FRIARS ROAD	17500	228000	221000			18300		239000		228000
11	015	SD		R		8.366	SAN DIEGO, AERO DRIVE	18300	239000	228000			15500		203000		202000
11	015	SD		R		9.238	SAN DIEGO, BALBOA AVENUE	15500	203000	202000			14500		189000		187000
11	015	SD		R		9.995	CLAIREMONT MESA BOULEVARD	14500	189000	187000			13400		164000		160000
11	015	SD		R		10.580	JCT. RTE. 52	13400	164000	160000			14700		192000		190000
11	015	SD		M		12.002	ROUTE 15S HOV LANES	14700	192000	190000			14200		182000		181000
11	015	SD		M		12.124	JCT. RTE. 163	14200	182000	181000			24600		309000		307000
11	015	SD		M		13.334	SAN DIEGO, MIRAMAR WAY	24600	309000	307000			25000		312000		304000
11	015	SD		M		14.285	SAN DIEGO, MIRAMAR/ POMERADO ROAD	25000	312000	304000			23300		293000		287000
11	015	SD		M		15.000	CARROLL CANYON ROAD	23300	293000	287000			22100		293000		277000
11	015	SD		M		15.924	MIRA MESA BOULEVARD	22100	293000	277000			21000		277000		268000
11	015	SD		M		17.311	SAN DIEGO, MERCY ROAD	21000	277000	268000			20200		266000		254000
11	015	SD		M		18.176	SAN DIEGO, POWAY ROAD	20200	266000	254000			18300		237000		222000

2017 CALTRANS TRAFFIC VOLUMES  
PEAK HOUR VOLUME DATA

DI	RTE	CO	PRE	PM	YR	AM_DIR	AM_WAY_PHV	AM_K_FACTOR_AMT	AM_D_FACTOR_AMT	AM_KD_FACTOR	AM_HOUR	AM_DAY	AM_MONTH	PM_DIR	PM_WAY_PHV	PM_K_FACTOR_AMT	PM_D_FACTOR_AMT	PM_KD_FACTOR	PM_HOUR	PM_DAY	PM_MONTH
11	015	SD	M	15,000	17	S	11760	7.860	57,140	4.490	7 TUE	AUG	S	10,492	7.660	52,330	4.010	15 FRI	AUG		
11	015	SD	M	15,924	17	S	12565	7.890	57,580	4.540	7 THU	JAN	N	11,272	7.770	52,430	4.080	15 FRI	MAY		
11	805	SD		28,502	17	S	7327	7.270	61,610	4.480	8 WED	NOV	N	6,906	6.940	60,890	4.220	16 WED	JUN		

## 2017 Daily Truck Traffic

				L		VEHICLE	TRUCK	TRUCK	TRUCK AADT				TOTAL	%	TRUCK	AADT	EAL		YEAR	
POST				E		AADT	AADT	% TOT	-----By Axle-----						-----By Axle-----				2-WAY	VER/
RTE	DIST	CNTY	MILE	G	DESCRIPTION	TOTAL	TOTAL	VEH	2	3	4	5+	2	3	4	5+	(1000)	EST		
015	11	SD	M14.285	B	SAN DIEGO, MIRAMAR/ POMERADO RDS	304000	11430	3.76	7,023	823	315	3,269	61.44	7.20	2.76	28.60	1,496	07E		
015	11	SD	M14.285	A	SAN DIEGO, MIRAMAR/ POMERADO RDS	287000	11193	3.90	6,559	1,175	437	3,022	58.60	10.50	3.90	27.00	1,444	85V		
015	11	SD	M18.176	B	SAN DIEGO, POWAY RD	254000	18035	7.10	8,801	2,038	1,010	6,186	48.80	11.30	5.60	34.30	2,778	96E		
805	11	SD	24.44	X	GOVERNOR DR INTERCHANGE	189000	10587	5.60	5,332	1,073	432	3,750	50.36	10.14	4.08	35.42	1,642	17E		
805	11	SD	28.502	B	JCT. RTE. 5	164000	12498	7.62	6,867	1,155	402	4,074	54.95	9.24	3.22	32.60	1,811	07V		

Location (I.D.)	Route	Dir	Period	Cars per green	Sec./ Cycle	(per lane) Veh./hr	Total # lanes	HOV
Miramar Rd (73)	805	SB	1430 - 1900	2	10.2	704	2	Lt
LJVD (72)	805	SB	1430 - 1900	2	7.2 - 12.1	996 - 593	3	Lt
LJVD (170)	805	NB	0530 - 0545	2	7.2 - 12.9	996 - 559	2	Lt
			0545 - 0700		8.3	871		
			0700 - 0900		9.7	744		
			0900 - 0930		7.2	996		
Miramar Rd (171)	805	NB	0530 - 0930	2	6.3 - 8.9	1,140 - 804	2	Lt
Vista Sorrento Pkwy to NB 805 (12107)	805	NB	1700 - 1740	2	9.5	756	3	Lt
Mira Mesa Blvd to SB 805 (12112)	805	SB	1430 - 1600	2	N/A	900	4	Lt(Bus)
			1600 - 1800			790		
			1800 - 1845			900		
Sorrento Valley Rd (12108)	805	SB	1430 - 1600	2	7.2	996	3	Lt
			1600 - 1800		9.6	752		
			1800 - 1845		7.2	996		
Pomerado Rd (11903)	15	NB	1400 - 1900	1	7.2 - 13.3	498 - 271	1	No
Miramar Rd (11901)	15	NB	1400 - 1900	2	9.4 - 16.7	768 - 432	2	No
Pomerado Rd (11902)	15	SB	0530 - 0930	2	7.2 - 9.9	996 - 727	2	No
			1500 - 1900		7.2 - 9.3	996 - 778		
Miramar Rd (11904)	15	SB	0530 - 0930	2	7.5 - 13.8	960 - 523	3	Lt
			1500 - 1900		7.2 - 12.9	996 - 559		
Carroll Cyn Rd (11907)	15	NB	1400 - 1900	2	9.8 - 13.6	732 - 530	2	Lt
Carroll Cyn Rd (11905)	15	SB	0530 - 0930	2	7.2 - 13.3	996 - 542	2	No
			1500 - 1900		7.2 - 14.6	996 - 492		
WB Mira Mesa Blvd (11911)	15	NB	1400 - 1900	2	7.2 - 12.5	996 - 576	2	Lt
EB Mira Mesa Blvd (11910)	15	NB	1400 - 1900	2	7.2 - 9.9	996 - 726	2	No
WB Mira Mesa Blvd (11913)	15	SB	0530 - 0930	2	7.2 - 11.2	996 - 643	2	Lt
			1500 - 1900		7.2 - 13.7	996 - 526		
EB Mira Mesa Blvd (11912)	15	SB	0530 - 0930	2	9.5 - 14.3	756 - 504	3	Lt
			1500 - 1900		12.5 - 16.3	576 - 442		
Mercy Rd (12004)	15	NB	1400 - 1900	1	7.5 - 13.3	480 - 270	3	Lt
Mercy Rd (12003)	15	SB	0530 - 0930	2	8.6 - 17.1	840 - 420	3	Lt
			1500 - 1900		9.1 - 17.6	792 - 408		

The meters normally operate in a traffic responsive mode.

There are 15 separate rates or steps between the slowest and the fastest discharge rate that depend on the mainlane volumes.

## APPENDIX I

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### PARKING UTILIZATION DATA



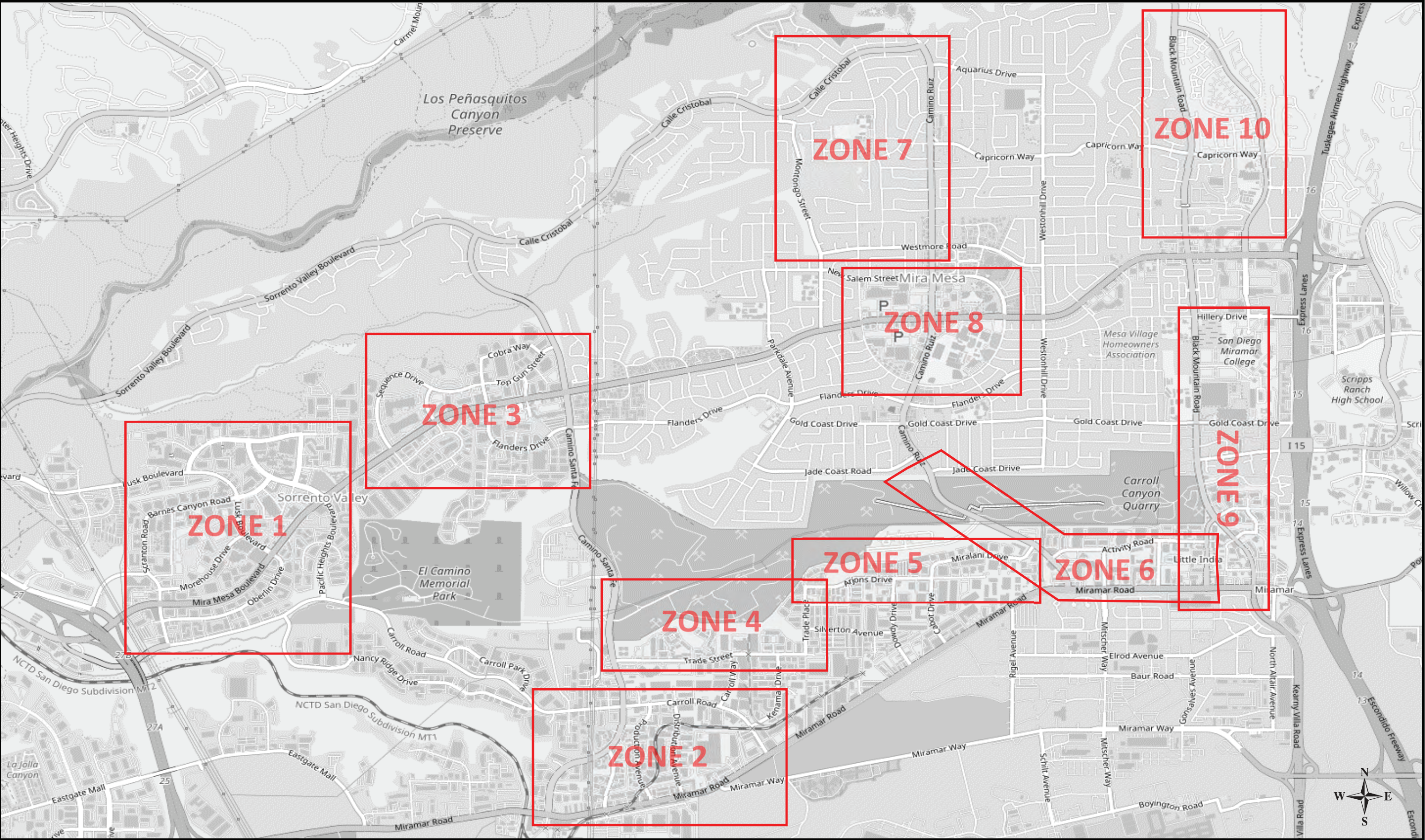


Figure 1  
Study Area



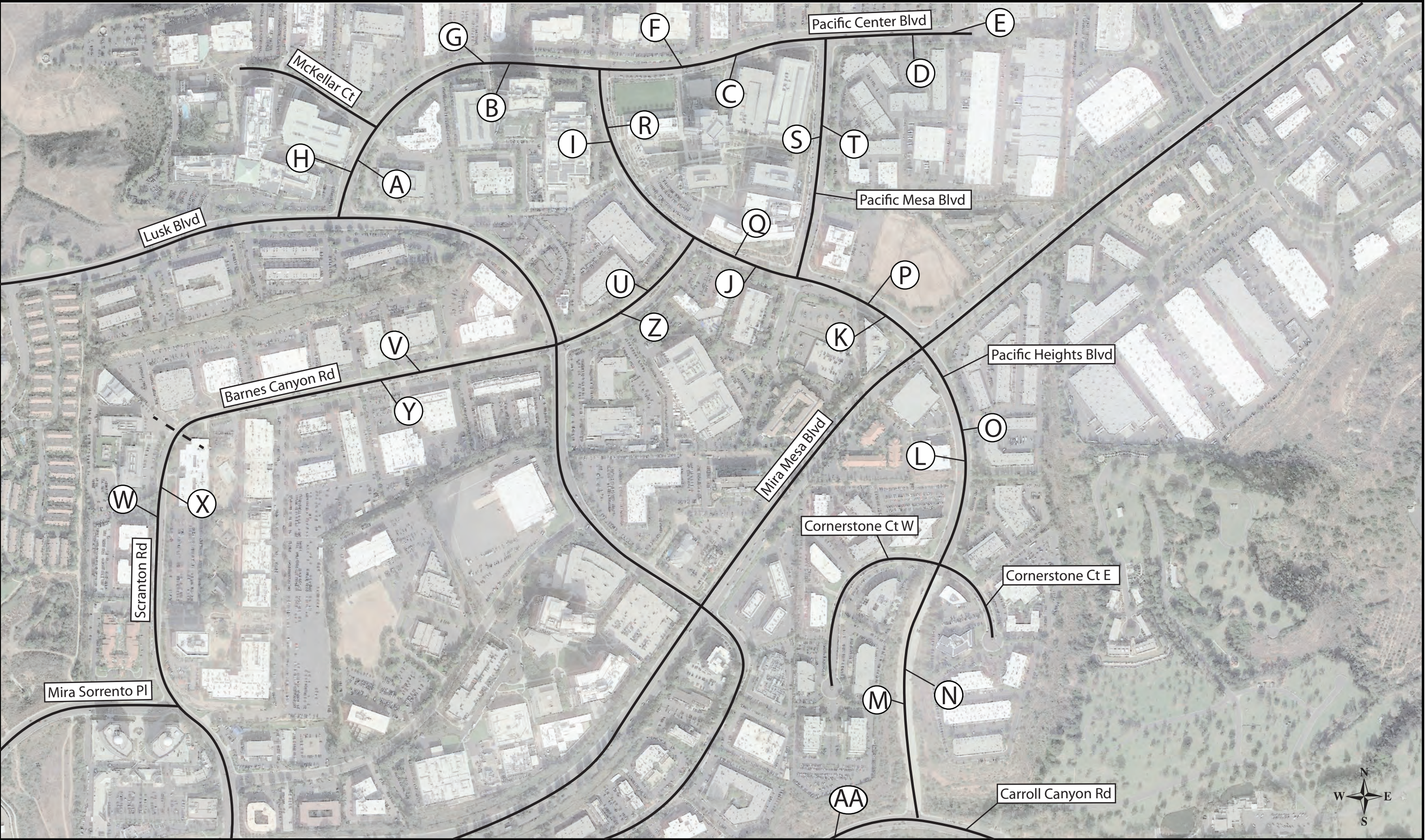


Figure 1.1 - Zone 1 Study Segments





Figure 1.1a - Zone 1 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
AM	1	A	Pacific Center Boulevard west end north of Lusk Blvd intersection	East	396	20	1	5%	19	95%	
AM	1	B	Pacific Center Boulevard west of Pacific Heights Blvd intersection	South	326	16	0	0%	16	100%	
AM	1	C	Pacific Center Boulevard east of Pacific Heights Blvd intersection	South	552	28	13	47%	15	53%	
AM	1	D	Pacific Center Boulevard east of Pacific Mesa Blvd intersection	South	433	22	6	28%	16	72%	Restricted Parking (Green Curb) Zone Not Counted
AM	1	E	Pacific Center Boulevard east of Pacific Mesa Blvd intersection	North	488	24	0	0%	24	100%	
AM	1	F	Pacific Center Boulevard east of Pacific Heights Blvd intersection	North	680	34	3	9%	31	91%	
AM	1	G	Pacific Center Boulevard west of Pacific Heights Blvd intersection	North	655	33	1	3%	32	97%	
AM	1	H	Pacific Center Boulevard west end north of Lusk Blvd intersection	North	102	5	0	0%	5	100%	
AM	1	I	Pacific Heights Boulevard north end north of Barnes Canyon intersection	West	667	33	3	9%	30	91%	
AM	1	J	Pacific Heights Boulevard between Barnes Canyon and Pacific Mesa Blvd	South	167	8	4	48%	4	52%	
AM	1	K	Pacific Heights Boulevard between Pacific Mesa Blvd and Mira Mesa Blvd	South	451	23	0	0%	23	100%	
AM	1	L	Pacific Heights Boulevard between Mira Mesa Blvd and Cornerstone Ct	West	723	36	1	3%	35	97%	
AM	1	M	Pacific Height Blvd south of Cornerstone Ct	West	1,086	54	0	0%	54	100%	
AM	1	N	Pacific Height Blvd south of Cornerstone Ct	East	1,200	60	0	0%	60	100%	
AM	1	O	Pacific Heights Boulevard between Mira Mesa Blvd and Cornerstone Ct	East	675	34	0	0%	34	100%	
AM	1	P	Pacific Heights Boulevard between Pacific Mesa Blvd and Mira Mesa Blvd	North	504	25	0	0%	25	100%	
AM	1	Q	Pacific Heights Boulevard between Barnes Canyon and Pacific Mesa Blvd	North	239	12	1	8%	11	92%	
AM	1	R	Pacific Heights Boulevard north end north of Barnes Canyon intersection	East	705	35	13	37%	22	63%	
AM	1	S	Pacific Mesa Blvd between Pacific Center Blvd and Pacific Heights Blvd	West	763	38	10	26%	28	74%	
AM	1	T	Pacific Mesa Blvd between Pacific Center Blvd and Pacific Heights Blvd	East	620	31	1	3%	30	97%	
AM	1	U	Barnes Canyon Road between Pacific Height Blvd and Lusk Blvd	North	407	20	2	10%	18	90%	
AM	1	V	Barnes Canyon Road between Lusk Blvd and Scranton Rd (west bend)	North	902	45	1	2%	44	98%	
AM	1	W	Scranton Road from Barnes Canyon Rd to Mira Sorretto Place	West	670	34	2	6%	32	94%	
AM	1	X	Scranton Road from Barnes Canyon Rd to Mira Sorretto Place	East	464	23	1	4%	22	96%	
AM	1	Y	Barnes Canyon Road between Lusk Blvd and Scranton Rd (west bend)	South	827	41	5	12%	36	88%	
AM	1	Z	Barnes Canyon Road between Pacific Height Blvd and Lusk Blvd	South	338	17	4	24%	13	76%	
AM	1	AA	Carroll Canyon Road between Nancy Ridge Rd and Pacific Heights Blvd	North	460	23	1	4%	22	96%	Counted on 5/22/19
			Totals		15,500	775	73	9%	702	91%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
Mid-Day	1	A	Pacific Center Boulevard west end north of Lusk Blvd intersection	East	396	20	0	0%	20	100%	
Mid-Day	1	B	Pacific Center Boulevard west of Pacific Heights Blvd intersection	South	326	16	15	92%	1	8%	
Mid-Day	1	C	Pacific Center Boulevard east of Pacific Heights Blvd intersection	South	552	28	25	91%	3	9%	
Mid-Day	1	D	Pacific Center Boulevard east of Pacific Mesa Blvd intersection	South	433	22	11	51%	11	49%	Restricted Parking (Green Curb) Zone Not Counted
Mid-Day	1	E	Pacific Center Boulevard east of Pacific Mesa Blvd intersection	North	488	24	2	8%	22	92%	
Mid-Day	1	F	Pacific Center Boulevard east of Pacific Heights Blvd intersection	North	680	34	30	88%	4	12%	
Mid-Day	1	G	Pacific Center Boulevard west of Pacific Heights Blvd intersection	North	655	33	9	27%	24	73%	
Mid-Day	1	H	Pacific Center Boulevard west end north of Lusk Blvd intersection	North	102	5	5	98%	0	2%	
Mid-Day	1	I	Pacific Heights Boulevard north end north of Barnes Canyon intersection	West	667	33	29	87%	4	13%	
Mid-Day	1	J	Pacific Heights Boulevard between Barnes Canyon and Pacific Mesa Blvd	South	167	8	8	96%	0	4%	
Mid-Day	1	K	Pacific Heights Boulevard between Pacific Mesa Blvd and Mira Mesa Blvd	South	451	23	9	40%	14	60%	
Mid-Day	1	L	Pacific Heights Boulevard between Mira Mesa Blvd and Cornerstone Ct	West	723	36	7	19%	29	81%	
Mid-Day	1	M	Pacific Height Blvd south of Cornerstone Ct	West	1,086	54	1	2%	53	98%	
Mid-Day	1	N	Pacific Height Blvd south of Cornerstone Ct	East	1,200	60	0	0%	60	100%	
Mid-Day	1	O	Pacific Heights Boulevard between Mira Mesa Blvd and Cornerstone Ct	East	675	34	2	6%	32	94%	
Mid-Day	1	P	Pacific Heights Boulevard between Pacific Mesa Blvd and Mira Mesa Blvd	North	504	25	4	16%	21	84%	
Mid-Day	1	Q	Pacific Heights Boulevard between Barnes Canyon and Pacific Mesa Blvd	North	239	12	10	84%	2	16%	
Mid-Day	1	R	Pacific Heights Boulevard north end north of Barnes Canyon intersection	East	705	35	35	99%	0	1%	
Mid-Day	1	S	Pacific Mesa Blvd between Pacific Center Blvd and Pacific Heights Blvd	West	763	38	35	92%	3	8%	
Mid-Day	1	T	Pacific Mesa Blvd between Pacific Center Blvd and Pacific Heights Blvd	East	620	31	25	81%	6	19%	
Mid-Day	1	U	Barnes Canyon Road between Pacific Height Blvd and Lusk Blvd	North	407	20	8	39%	12	61%	
Mid-Day	1	V	Barnes Canyon Road between Lusk Blvd and Scranton Rd (west bend)	North	902	45	12	27%	33	73%	
Mid-Day	1	W	Scranton Road from Barnes Canyon Rd to Mira Sorretto Place	West	670	34	32	96%	2	4%	
Mid-Day	1	X	Scranton Road from Barnes Canyon Rd to Mira Sorretto Place	East	464	23	7	30%	16	70%	
Mid-Day	1	Y	Barnes Canyon Road between Lusk Blvd and Scranton Rd (west bend)	South	827	41	24	58%	17	42%	
Mid-Day	1	Z	Barnes Canyon Road between Pacific Height Blvd and Lusk Blvd	South	338	17	13	77%	4	23%	
Mid-Day	1	AA	Carroll Canyon Road between Nancy Ridge Rd and Pacific Heights Blvd	North	460	23	10	43%	13	57%	Counted on 5/16/19
			Totals		15,500	775	368	47%	407	53%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
PM	1	A	Pacific Center Boulevard west end north of Lusk Blvd intersection	East	396	20	0	0%	20	100%	
PM	1	B	Pacific Center Boulevard west of Pacific Heights Blvd intersection	South	326	16	9	55%	7	45%	
PM	1	C	Pacific Center Boulevard east of Pacific Heights Blvd intersection	South	552	28	21	76%	7	24%	
PM	1	D	Pacific Center Boulevard east of Pacific Mesa Blvd intersection	South	433	22	7	32%	15	68%	Restricted Parking (Green Curb) Zone Not Counted
PM	1	E	Pacific Center Boulevard east of Pacific Mesa Blvd intersection	North	488	24	0	0%	24	100%	
PM	1	F	Pacific Center Boulevard east of Pacific Heights Blvd intersection	North	680	34	21	62%	13	38%	
PM	1	G	Pacific Center Boulevard west of Pacific Heights Blvd intersection	North	655	33	11	34%	22	66%	
PM	1	H	Pacific Center Boulevard west end north of Lusk Blvd intersection	North	102	5	4	78%	1	22%	
PM	1	I	Pacific Heights Boulevard north end north of Barnes Canyon intersection	West	667	33	27	81%	6	19%	
PM	1	J	Pacific Heights Boulevard between Barnes Canyon and Pacific Mesa Blvd	South	167	8	6	72%	2	28%	
PM	1	K	Pacific Heights Boulevard between Pacific Mesa Blvd and Mira Mesa Blvd	South	451	23	4	18%	19	82%	
PM	1	L	Pacific Heights Boulevard between Mira Mesa Blvd and Cornerstone Ct	West	723	36	4	11%	32	89%	
PM	1	M	Pacific Height Blvd south of Cornerstone Ct	West	1,086	54	1	2%	53	98%	
PM	1	N	Pacific Height Blvd south of Cornerstone Ct	East	1,200	60	0	0%	60	100%	
PM	1	O	Pacific Heights Boulevard between Mira Mesa Blvd and Cornerstone Ct	East	675	34	2	6%	32	94%	
PM	1	P	Pacific Heights Boulevard between Pacific Mesa Blvd and Mira Mesa Blvd	North	504	25	8	32%	17	68%	
PM	1	Q	Pacific Heights Boulevard between Barnes Canyon and Pacific Mesa Blvd	North	239	12	11	92%	1	8%	
PM	1	R	Pacific Heights Boulevard north end north of Barnes Canyon intersection	East	705	35	19	54%	16	46%	
PM	1	S	Pacific Mesa Blvd between Pacific Center Blvd and Pacific Heights Blvd	West	763	38	29	76%	9	24%	
PM	1	T	Pacific Mesa Blvd between Pacific Center Blvd and Pacific Heights Blvd	East	620	31	17	55%	14	45%	
PM	1	U	Barnes Canyon Road between Pacific Height Blvd and Lusk Blvd	North	407	20	2	10%	18	90%	
PM	1	V	Barnes Canyon Road between Lusk Blvd and Scranton Rd (west bend)	North	902	45	15	33%	30	67%	
PM	1	W	Scranton Road from Barnes Canyon Rd to Mira Sorretto Place	West	670	34	26	78%	8	22%	
PM	1	X	Scranton Road from Barnes Canyon Rd to Mira Sorretto Place	East	464	23	15	65%	8	35%	
PM	1	Y	Barnes Canyon Road between Lusk Blvd and Scranton Rd (west bend)	South	827	41	14	34%	27	66%	
PM	1	Z	Barnes Canyon Road between Pacific Height Blvd and Lusk Blvd	South	338	17	2	12%	15	88%	
PM	1	AA	Carroll Canyon Road between Nancy Ridge Rd and Pacific Heights Blvd	North	460	23	6	26%	17	74%	Counted on 5/22/19
			Totals		15,500	775	281	36%	494	64%	

**Footnotes**

<sup>1</sup>Maximum capacity based on available parking + 20 feet on-street parallel parking standard as per Page 13 Section (4) (D) of the: [City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)



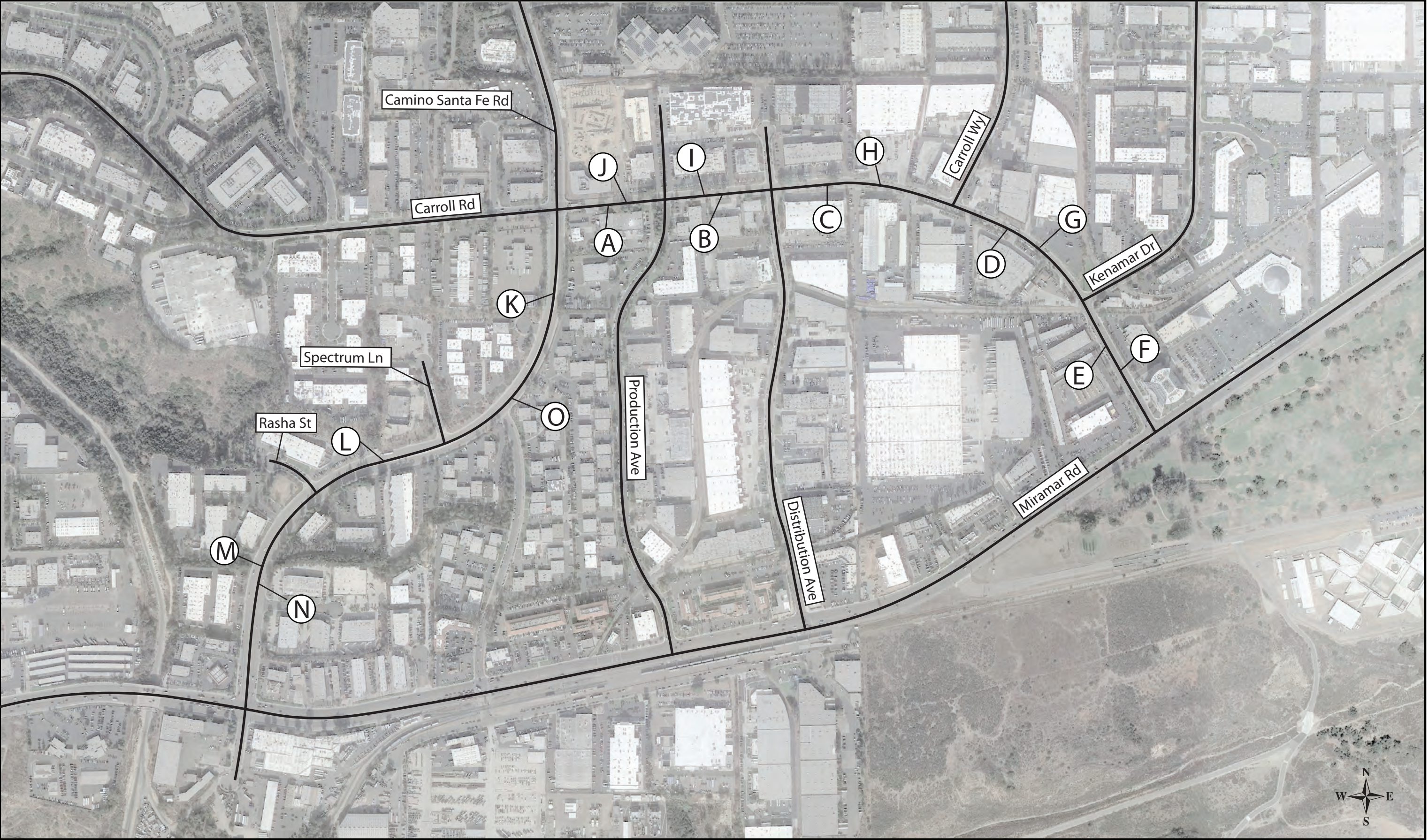


Figure 1.2 - Zone 2 Study Segments





Figure 1.2a - Zone 2 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
AM	2	A	Carroll Rd east of Camino Santa Fe intersection	South	180	9	8	89%	1	11%	Yellow curb (loading/unloading zone) not counted
AM	2	B	Carroll Rd from Production Ave to Distribution Ave	South	130	7	1	15%	6	85%	
AM	2	C	Carroll Rd from Distribution Ave to Carroll Wy	South	395	20	10	51%	10	49%	
AM	2	D	Carroll Rd from Carroll Wy to Kenamar Dr	South	344	17	8	47%	9	53%	
AM	2	E	Carroll Rd from Kenamar Dr to Miramar Rd	West	180	9	8	89%	1	11%	
AM	2	F	Carroll Rd from Miramar Dr to Kenamar Rd	East	0	0	0	0%	0	0%	
AM	2	G	Carroll Rd from Kenamar Dr to Carroll Wy	North	346	17	9	52%	8	48%	
AM	2	H	Carroll Rd from Carroll Wy to Distribution Ave	North	485	24	13	54%	11	46%	
AM	2	I	Carroll Rd from Distribution Ave to Production Ave	North	145	7	1	14%	6	86%	
AM	2	J	Carroll Rd from Production Ave to Camino Santa Fe	North	175	9	5	57%	4	43%	
AM	2	K	Camino Santa Fe from Carroll Rd to Spectrum Ln	West	1,070	54	0	0%	54	100%	
AM	2	L	Camino Santa Fe from Spectrum Ln to Rasha St	North	372	19	0	0%	19	100%	
AM	2	M	Camino Santa Fe from Rasha St to Miramar Rd	West	747	37	10	27%	27	73%	
AM	2	N	Camino Santa Fe from Miramar Rd to Rasha St	East	637	32	10	31%	22	69%	
AM	2	O	Camino Santa Fe from Rasha St to Carroll Rd	East	1,880	94	0	0%	94	100%	
			Totals		7,086	354	83	23%	271	77%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
Mid-Day	2	A	Carroll Rd east of Camino Santa Fe intersection	South	180	9	10	111%	-1	-11%	Yellow curb (loading/unloading zone) not counted
Mid-Day	2	B	Carroll Rd from Production Ave to Distribution Ave	South	130	7	6	92%	1	8%	
Mid-Day	2	C	Carroll Rd from Distribution Ave to Carroll Wy	South	395	20	11	56%	9	44%	
Mid-Day	2	D	Carroll Rd from Carroll Wy to Kenamar Dr	South	344	17	12	70%	5	30%	
Mid-Day	2	E	Carroll Rd from Kenamar Dr to Miramar Rd	West	180	9	9	100%	0	0%	
Mid-Day	2	F	Carroll Rd from Miramar Dr to Kenamar Rd	East	0	0	0	0%	0	0%	
Mid-Day	2	G	Carroll Rd from Kenamar Dr to Carroll Wy	North	346	17	10	58%	7	42%	
Mid-Day	2	H	Carroll Rd from Carroll Wy to Distribution Ave	North	485	24	20	82%	4	18%	
Mid-Day	2	I	Carroll Rd from Distribution Ave to Production Ave	North	145	7	6	83%	1	17%	
Mid-Day	2	J	Carroll Rd from Production Ave to Camino Santa Fe	North	175	9	6	69%	3	31%	
Mid-Day	2	K	Camino Santa Fe from Carroll Rd to Spectrum Ln	West	1,070	54	0	0%	54	100%	
Mid-Day	2	L	Camino Santa Fe from Spectrum Ln to Rasha St	North	372	19	0	0%	19	100%	
Mid-Day	2	M	Camino Santa Fe from Rasha St to Miramar Rd	West	747	37	11	29%	26	71%	
Mid-Day	2	N	Camino Santa Fe from Miramar Rd to Rasha St	East	637	32	12	38%	20	62%	
Mid-Day	2	O	Camino Santa Fe from Rasha St to Carroll Rd	East	1,880	94	0	0%	94	100%	
Mid-Day			Totals		7,086	354	113	32%	241	68%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
PM	2	A	Carroll Rd east of Camino Santa Fe intersection	South	180	9	1	11%	8	89%	Yellow curb (loading/unloading zone) not counted
PM	2	B	Carroll Rd from Production Ave to Distribution Ave	South	130	7	5	77%	2	23%	
PM	2	C	Carroll Rd from Distribution Ave to Carroll Wy	South	395	20	2	10%	18	90%	
PM	2	D	Carroll Rd from Carroll Wy to Kenamar Dr	South	344	17	6	35%	11	65%	
PM	2	E	Carroll Rd from Kenamar Dr to Miramar Rd	West	180	9	9	100%	0	0%	
PM	2	F	Carroll Rd from Miramar Dr to Kenamar Rd	East	0	0	0	0%	0	0%	
PM	2	G	Carroll Rd from Kenamar Dr to Carroll Wy	North	346	17	5	29%	12	71%	
PM	2	H	Carroll Rd from Carroll Wy to Distribution Ave	North	485	24	4	16%	20	84%	
PM	2	I	Carroll Rd from Distribution Ave to Production Ave	North	145	7	2	28%	5	72%	
PM	2	J	Carroll Rd from Production Ave to Camino Santa Fe	North	175	9	0	0%	9	100%	
PM	2	K	Camino Santa Fe from Carroll Rd to Spectrum Ln	West	1,070	54	0	0%	54	100%	
PM	2	L	Camino Santa Fe from Spectrum Ln to Rasha St	North	372	19	0	0%	19	100%	
PM	2	M	Camino Santa Fe from Rasha St to Miramar Rd	West	747	37	8	21%	29	79%	
PM	2	N	Camino Santa Fe from Miramar Rd to Rasha St	East	637	32	11	35%	21	65%	
PM	2	O	Camino Santa Fe from Rasha St to Carroll Rd	East	1,880	94	0	0%	94	100%	
			Totals		7,086	354	53	15%	301	85%	

**Footnotes**

<sup>1</sup>Maximum capacity based on available parking + 20 feet on-street parallel parking standard as per Page 13 Section 4) (D) of the:

[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)



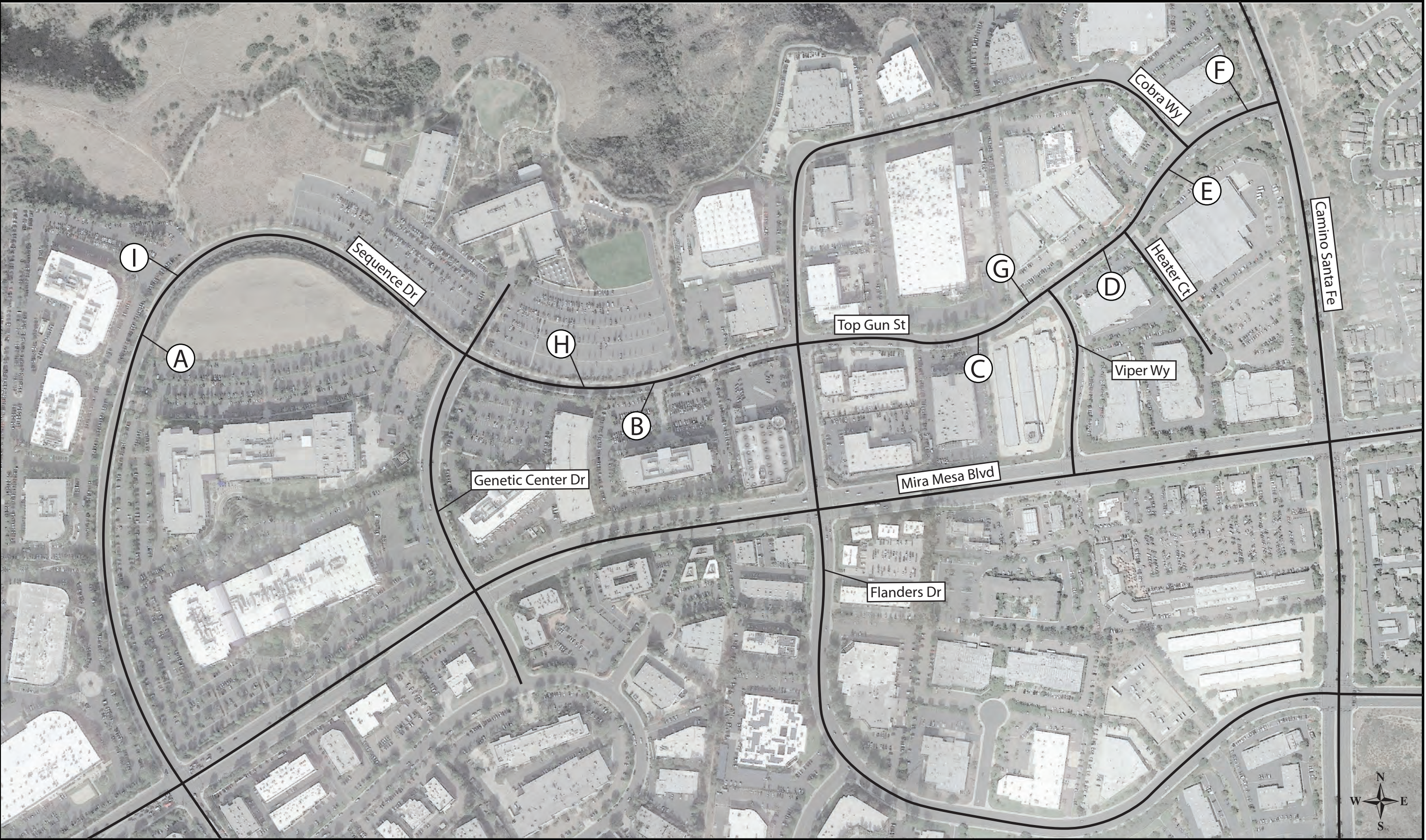


Figure 1.3 - Zone 3 Study Segments





Figure 1.3a - Zone 3 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
AM	3	A	Sequence Dr from Mira Mesa Blvd to Genetic Center Dr	East	0	0	0	0%	0	0%	
AM	3	B	Sequence Dr from Genetic Center Dr to Flanders Dr	South	320	16	9	56%	7	44%	
AM	3	C	Top Gun St from Flanders Dr to Viper Wy	South	547	27	9	33%	18	67%	
AM	3	D	Top Gun St from Viper Wy to Heater Ct	South	125	6	4	64%	2	36%	
AM	3	E	Top Gun St from Heater Ct to Camino Santa Fe	South	500	25	4	16%	21	84%	
AM	3	F	Top Gun St from Camino Santa Fe to Cobra Wy	North	200	10	0	0%	10	100%	
AM	3	G	Top Gun St from Cobra Wy to Flanders Dr	North	1,070	54	30	56%	24	44%	
AM	3	H	Sequence Dr from Flanders Dr to Genetic Center Dr	North	659	33	8	24%	25	76%	
AM	3	I	Sequence Dr from Genetic Center Dr to Mira Mesa Blvd	West	0	0	0	0%	0	0%	
			Totals		3,421	171	64	37%	107	63%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
Mid-Day	3	A	Sequence Dr from Mira Mesa Blvd to Genetic Center Dr	East	0	0	0	0%	0	0%	
Mid-Day	3	B	Sequence Dr from Genetic Center Dr to Flanders Dr	South	320	16	10	63%	6	38%	
Mid-Day	3	C	Top Gun St from Flanders Dr to Viper Wy	South	547	27	11	40%	16	60%	
Mid-Day	3	D	Top Gun St from Viper Wy to Heater Ct	South	125	6	4	64%	2	36%	
Mid-Day	3	E	Top Gun St from Heater Ct to Camino Santa Fe	South	500	25	7	28%	18	72%	
Mid-Day	3	F	Top Gun St from Camino Santa Fe to Cobra Wy	North	200	10	4	40%	6	60%	
Mid-Day	3	G	Top Gun St from Cobra Wy to Flanders Dr	North	1,070	54	33	62%	21	38%	
Mid-Day	3	H	Sequence Dr from Flanders Dr to Genetic Center Dr	North	659	33	13	39%	20	61%	
Mid-Day	3	I	Sequence Dr from Genetic Center Dr to Mira Mesa Blvd	West	0	0	0	0%	0	0%	
			Totals		3,421	171	82	48%	89	52%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
PM	3	A	Sequence Dr from Mira Mesa Blvd to Genetic Center Dr	East	0	0	0	0%	0	0%	
PM	3	B	Sequence Dr from Genetic Center Dr to Flanders Dr	South	320	16	6	38%	10	63%	
PM	3	C	Top Gun St from Flanders Dr to Viper Wy	South	547	27	6	22%	21	78%	
PM	3	D	Top Gun St from Viper Wy to Heater Ct	South	125	6	2	32%	4	68%	
PM	3	E	Top Gun St from Heater Ct to Camino Santa Fe	South	500	25	6	24%	19	76%	
PM	3	F	Top Gun St from Camino Santa Fe to Cobra Wy	North	200	10	5	50%	5	50%	
PM	3	G	Top Gun St from Cobra Wy to Flanders Dr	North	1,070	54	9	17%	45	83%	
PM	3	H	Sequence Dr from Flanders Dr to Genetic Center Dr	North	659	33	4	12%	29	88%	
PM	3	I	Sequence Dr from Genetic Center Dr to Mira Mesa Blvd	West	0	0	0	0%	0	0%	
			Totals		3,421	171	38	22%	133	78%	

**Footnotes**

<sup>1</sup>Maximum capacity based on available parking + 20 feet on-street parallel parking standard as per Page 13 Section (4) (D) of the:

[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)





Figure 1.4 - Zone 4 Study Segments





Figure 1.4a - Zone 4 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
AM	4	A	Trade St from Camino Santa Fe to Driveway	South	300	15	1	7%	14	93%	
AM	4	B	Trade St from Driveway to Carroll Wy	South	1,410	71	45	64%	26	36%	
AM	4	C	Trade St from Carroll Wy to Trade Pl	South	1,320	66	16	24%	50	76%	
AM	4	D	Trade Pl from Trade St to Silvertown Ave	East	314	16	8	51%	8	49%	
AM	4	E	Trade Pl from Silvertown Ave to Dunbrook Rd	East	360	18	14	78%	4	22%	
AM	4	F	Trade Pl from Dunbrook Rd to Arjons Dr	East	184	9	2	22%	7	78%	
AM	4	G	Trade Pl from Arjons Dr to Trade St	West	1,072	54	28	52%	26	48%	
AM	4	H	Trade St from Trade Pl to Carroll Wy	North	656	33	8	24%	25	76%	
AM	4	I	Trade St from Carroll Wy to Camino Santa Fe	North	1,237	62	36	58%	26	42%	
			Totals		6,853	343	158	46%	185	54%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
Mid-Day	4	A	Trade St from Camino Santa Fe to Driveway	South	300	15	5	33%	10	67%	
Mid-Day	4	B	Trade St from Driveway to Carroll Wy	South	1,410	71	46	65%	25	35%	
Mid-Day	4	C	Trade St from Carroll Wy to Trade Pl	South	1,320	66	27	41%	39	59%	
Mid-Day	4	D	Trade Pl from Trade St to Silvertown Ave	East	314	16	10	64%	6	36%	
Mid-Day	4	E	Trade Pl from Silvertown Ave to Dunbrook Rd	East	360	18	12	67%	6	33%	
Mid-Day	4	F	Trade Pl from Dunbrook Rd to Arjons Dr	East	184	9	4	43%	5	57%	
Mid-Day	4	G	Trade Pl from Arjons Dr to Trade St	West	1,072	54	27	50%	27	50%	
Mid-Day	4	H	Trade St from Trade Pl to Carroll Wy	North	656	33	16	49%	17	51%	
Mid-Day	4	I	Trade St from Carroll Wy to Camino Santa Fe	North	1,237	62	41	66%	21	34%	
			Totals		6,853	343	188	55%	155	45%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
PM	4	A	Trade St from Camino Santa Fe to Driveway	South	300	15	2	13%	13	87%	
PM	4	B	Trade St from Driveway to Carroll Wy	South	1,410	71	22	31%	49	69%	
PM	4	C	Trade St from Carroll Wy to Trade Pl	South	1,320	66	16	24%	50	76%	
PM	4	D	Trade Pl from Trade St to Silvertown Ave	East	314	16	4	25%	12	75%	
PM	4	E	Trade Pl from Silvertown Ave to Dunbrook Rd	East	360	18	10	56%	8	44%	
PM	4	F	Trade Pl from Dunbrook Rd to Arjons Dr	East	184	9	4	43%	5	57%	
PM	4	G	Trade Pl from Arjons Dr to Trade St	West	1,072	54	29	54%	25	46%	
PM	4	H	Trade St from Trade Pl to Carroll Wy	North	656	33	6	18%	27	82%	
PM	4	I	Trade St from Carroll Wy to Camino Santa Fe	North	1,237	62	18	29%	44	71%	
			Totals		6,853	343	111	32%	232	68%	

**Footnotes**

<sup>1</sup>Maximum capacity based on available parking ÷ 20 feet on-street parallel parking standard as per Page 13 Section (4) (D) of the:

[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)





Figure 1.5 - Zone 5 Study Segments





Figure 1.5a - Zone 5 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
AM	5	A	Arjons Dr from Trade Pl to Dunbrook Rd	South	299	15	7	47%	8	53%	
AM	5	B	Arjons Dr from Dunbrook Rd to Dowdy Dr	South	380	19	9	47%	10	53%	
AM	5	C	Arjons Dr from Dowdy Dr to Miralani Dr	South	300	15	9	60%	6	40%	
AM	5	D	Miralani Dr from Arjons Dr to Camino Ruiz	South	1,509	75	20	27%	55	73%	
AM	5	E	Miralani Dr from Camino Ruiz to Arjons Dr	North	1,127	56	8	14%	48	86%	
AM	5	F	Arjons Dr from Miralani Dr to Trade Pl	North	1,680	84	35	42%	49	58%	
			Totals		5,295	265	88	33%	177	67%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
Mid-Day	5	A	Arjons Dr from Trade Pl to Dunbrook Rd	South	299	15	12	80%	3	20%	
Mid-Day	5	B	Arjons Dr from Dunbrook Rd to Dowdy Dr	South	380	19	11	58%	8	42%	
Mid-Day	5	C	Arjons Dr from Dowdy Dr to Miralani Dr	South	300	15	8	53%	7	47%	
Mid-Day	5	D	Miralani Dr from Arjons Dr to Camino Ruiz	South	1,509	75	23	30%	52	70%	
Mid-Day	5	E	Miralani Dr from Camino Ruiz to Arjons Dr	North	1,127	56	17	30%	39	70%	
Mid-Day	5	F	Arjons Dr from Miralani Dr to Trade Pl	North	1,680	84	33	39%	51	61%	
			Totals		5,295	265	104	39%	161	61%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
PM	5	A	Arjons Dr from Trade Pl to Dunbrook Rd	South	299	15	3	20%	12	80%	
PM	5	B	Arjons Dr from Dunbrook Rd to Dowdy Dr	South	380	19	4	21%	15	79%	
PM	5	C	Arjons Dr from Dowdy Dr to Miralani Dr	South	300	15	1	7%	14	93%	
PM	5	D	Miralani Dr from Arjons Dr to Camino Ruiz	South	1,509	75	5	7%	70	93%	
PM	5	E	Miralani Dr from Camino Ruiz to Arjons Dr	North	1,127	56	5	9%	51	91%	
PM	5	F	Arjons Dr from Miralani Dr to Trade Pl	North	1,680	84	15	18%	69	82%	
			Totals		5,295	265	33	12%	232	88%	

**Footnotes**

<sup>1</sup>Maximum capacity based on available parking + 20 feet on-street parallel parking standard as per Page 13 Section (4) (D) of the:

[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)





Figure 1.6 - Zone 6 Study Segments



Figure 1.6a - Zone 6 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity	Occupied #	Utilization %	Spare Capacity #	%	Notes
AM	6	A	Camino Ruiz from Jade Coast Dr to Carroll Canyon Rd	West	130	7	2	31%	5	69%	
AM	6	B	Camino Ruiz from Carroll Canyon Rd to Miralani Dr	South	370	19	10	54%	9	46%	200 feet section on south side of Camino Ruiz excluded due to construction area
AM	6	C	Camino Ruiz from Miralani Dr to Activity Rd	South	150	8	0	0%	8	100%	
AM	6	D	Activity Rd from Camino Ruiz to Clayton Dr	South	930	47	4	9%	43	91%	
AM	6	E	Activity Rd from Clayton Dr to Padgett St	South	775	39	21	54%	18	46%	
AM	6	F	Activity Rd from Padgett St to Black Mountain Rd	South	390	20	1	5%	19	95%	
AM	6	G	Activity Rd from Black Mountain Rd to Padgett St	North	630	32	0	0%	32	100%	
AM	6	H	Activity Rd from Padgett St to Clayton Dr	North	0	0	0	0%	0	0%	
AM	6	I	Activity Rd from Clayton Dr to Camino Ruiz	North	0	0	0	0%	0	0%	
AM	6	J	Camino Ruiz from Activity Rd to Miralani Dr	North	230	12	0	0%	12	100%	
AM	6	K	Camino Ruiz from Miralani Dr to Carroll Canyon Rd	North	850	43	0	0%	43	100%	70 feet section on north side of Camino Ruiz excluded due to construction area
AM	6	L	Camino Ruiz from Carroll Canyon Rd to Jade Coast Dr	East	0	0	0	0%	0	0%	
AM	6	M	Camino Ruiz from Activity Rd to Mirimar Rd	West	0	0	0	0%	0	0%	
AM	6	N	Camino Ruiz from Activity Rd to Mirimar Rd	East	580	29	1	3%	28	97%	
AM	6	O	Camino Ruiz from Jade Coast Dr to Gold Coast Dr	West	847	42	22	52%	20	48%	Data collected on 05-22-19
AM	6	P	Camino Ruiz from Gold Coast Dr to Jade Coast Dr	East	869	43	23	53%	20	47%	Data collected on 05-22-19
			Totals		6,751	338	84	25%	254	75%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity	Occupied #	Utilization %	Spare Capacity #	%	Notes
Mid-Day	6	A	Camino Ruiz from Jade Coast Dr to Carroll Canyon Rd	West	130	7	1	15%	6	85%	
Mid-Day	6	B	Camino Ruiz from Carroll Canyon Rd to Miralani Dr	South	370	19	5	27%	14	73%	200 feet section on south side of Camino Ruiz excluded due to construction area
Mid-Day	6	C	Camino Ruiz from Miralani Dr to Activity Rd	South	150	8	0	0%	8	100%	
Mid-Day	6	D	Activity Rd from Camino Ruiz to Clayton Dr	South	930	47	23	49%	24	51%	
Mid-Day	6	E	Activity Rd from Clayton Dr to Padgett St	South	775	39	33	85%	6	15%	
Mid-Day	6	F	Activity Rd from Padgett St to Black Mountain Rd	South	390	20	3	15%	17	85%	
Mid-Day	6	G	Activity Rd from Black Mountain Rd to Padgett St	North	630	32	0	0%	32	100%	
Mid-Day	6	H	Activity Rd from Padgett St to Clayton Dr	North	0	0	0	0%	0	0%	
Mid-Day	6	I	Activity Rd from Clayton Dr to Camino Ruiz	North	0	0	0	0%	0	0%	
Mid-Day	6	J	Camino Ruiz from Activity Rd to Miralani Dr	North	230	12	0	0%	12	100%	
Mid-Day	6	K	Camino Ruiz from Miralani Dr to Carroll Canyon Rd	North	850	43	0	0%	43	100%	70 feet section on north side of Camino Ruiz excluded due to construction area
Mid-Day	6	L	Camino Ruiz from Carroll Canyon Rd to Jade Coast Dr	East	0	0	0	0%	0	100%	
Mid-Day	6	M	Camino Ruiz from Activity Rd to Mirimar Rd	West	0	0	0	0%	0	0%	
Mid-Day	6	N	Camino Ruiz from Activity Rd to Mirimar Rd	East	580	29	5	17%	24	83%	
Mid-Day	6	O	Camino Ruiz from Jade Coast Dr to Gold Coast Dr	West	847	42	24	57%	18	43%	Data collected on 05-16-2019
Mid-Day	6	P	Camino Ruiz from Gold Coast Dr to Jade Coast Dr	East	869	43	18	41%	25	59%	Data collected on 05-16-2019
			Totals		6,751	338	112	33%	226	67%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity	Occupied #	Utilization %	Spare Capacity #	%	Notes
PM	6	A	Camino Ruiz from Jade Coast Dr to Carroll Canyon Rd	West	130	7	2	31%	5	69%	
PM	6	B	Camino Ruiz from Carroll Canyon Rd to Miralani Dr	South	370	19	1	5%	18	95%	200 feet section on south side of Camino Ruiz excluded due to construction area
PM	6	C	Camino Ruiz from Miralani Dr to Activity Rd	South	150	8	0	0%	8	100%	
PM	6	D	Activity Rd from Camino Ruiz to Clayton Dr	South	930	47	18	39%	29	61%	
PM	6	E	Activity Rd from Clayton Dr to Padgett St	South	775	39	19	49%	20	51%	
PM	6	F	Activity Rd from Padgett St to Black Mountain Rd	South	390	20	2	10%	18	90%	
PM	6	G	Activity Rd from Black Mountain Rd to Padgett St	North	630	32	0	0%	32	100%	
PM	6	H	Activity Rd from Padgett St to Clayton Dr	North	0	0	0	0%	0	100%	
PM	6	I	Activity Rd from Clayton Dr to Camino Ruiz	North	0	0	0	0%	0	100%	
PM	6	J	Camino Ruiz from Activity Rd to Miralani Dr	North	230	12	0	0%	12	100%	
PM	6	K	Camino Ruiz from Miralani Dr to Carroll Canyon Rd	North	850	43	0	0%	43	100%	70 feet section on north side of Camino Ruiz excluded due to construction area
PM	6	L	Camino Ruiz from Carroll Canyon Rd to Jade Coast Dr	East	0	0	0	0%	0	100%	
PM	6	M	Camino Ruiz from Activity Rd to Mirimar Rd	West	0	0	0	0%	0	100%	
PM	6	N	Camino Ruiz from Activity Rd to Mirimar Rd	East	580	29	6	21%	23	79%	Data collected on 05-09-2019
PM	6	O	Camino Ruiz from Jade Coast Dr to Gold Coast Dr	West	847	42	35	83%	7	17%	Data collected on 05-22-19
PM	6	P	Camino Ruiz from Gold Coast Dr to Jade Coast Dr	East	869	43	30	69%	13	31%	Data collected on 05-22-19
			Totals		6,751	338	113	33%	225	67%	

**Footnotes**

Maximum capacity based on available parking + 20 feet on-street parallel parking standard as per Page 13 Section (4) (D) of the:  
[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)



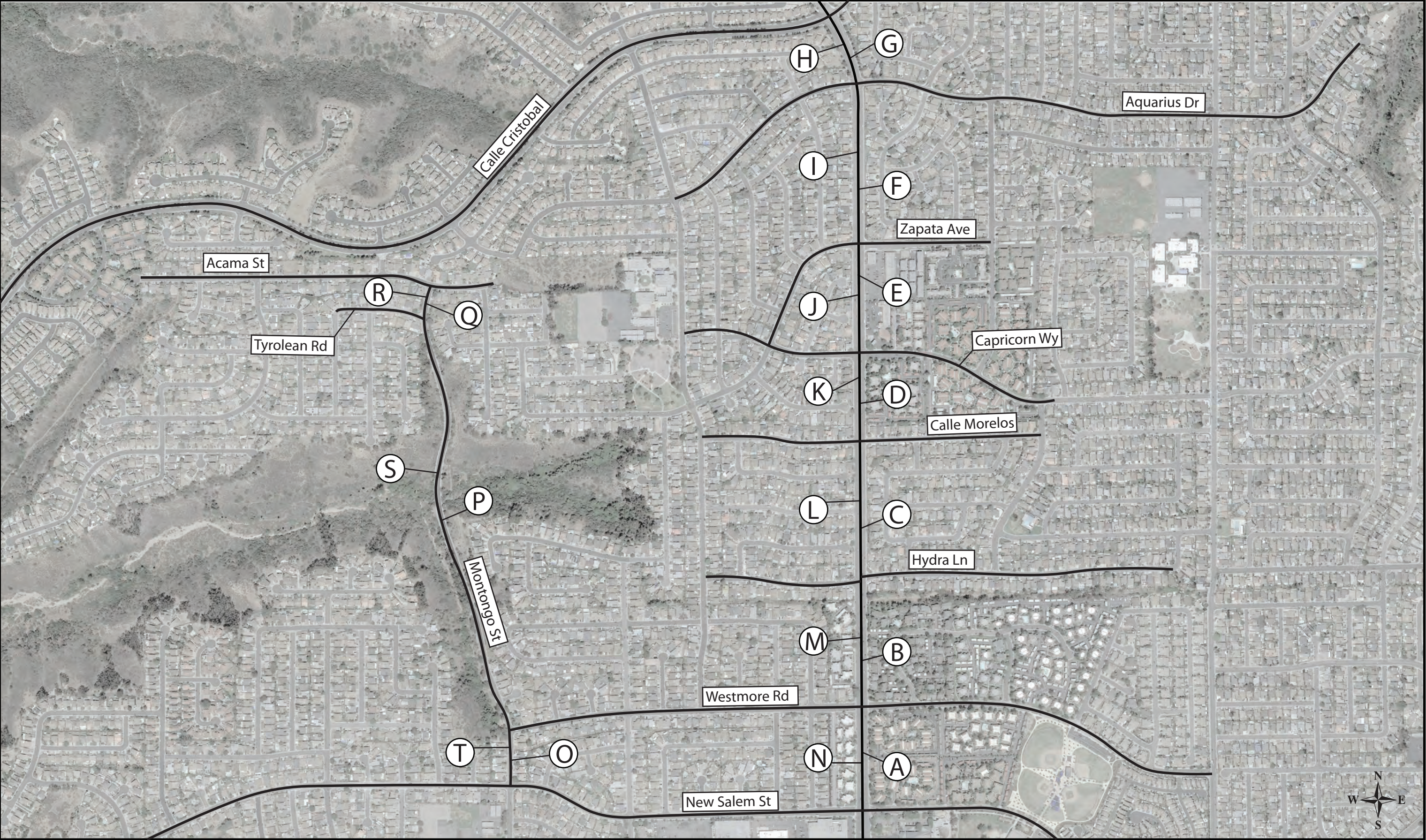


Figure 1.7 - Zone 7 Study Segments





Figure 1.7a - Zone 7 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
AM	7	A	Camino Ruiz from New Salem Rd to Westmore Rd	East	200	10	5	50%	5	50%	
AM	7	B	Camino Ruiz from Westmore Rd to Hydra Ln	East	0	0	0	0%	0	0%	
AM	7	C	Camino Ruiz from Hydra Ln to Calle Morelos	East	0	0	0	0%	0	0%	
AM	7	D	Camino Ruiz from Calle Morelos to Capricorn Wy	East	340	17	11	65%	6	35%	
AM	7	E	Camino Ruiz from Capricorn Wy to Zapata Ave	East	125	6	0	0%	6	100%	
AM	7	F	Camino Ruiz from Zapata Ave to Aquarius Dr	East	0	0	0	0%	0	0%	
AM	7	G	Camino Ruiz from Aquarius Dr to Calle Cristobal	East	0	0	0	0%	0	0%	
AM	7	H	Camino Ruiz from Calle Cristobal to Aquarius Dr	West	0	0	0	0%	0	0%	
AM	7	I	Camino Ruiz from Aquarius Dr to Zapata Ave	West	505	25	12	48%	13	52%	
AM	7	J	Camino Ruiz from Zapata Ave to Capricorn Wy	West	0	0	0	0%	0	0%	
AM	7	K	Camino Ruiz from Capricorn Wy to Calle Morelos	West	0	0	0	0%	0	0%	
AM	7	L	Camino Ruiz from Calle Morelos to Hydra Ln	West	0	0	0	0%	0	0%	
AM	7	M	Camino Ruiz from Hydra Ln to Westmore Rd	West	364	18	12	66%	6	34%	
AM	7	N	Camino Ruiz from Westmore Rd to New Salem St	West	420	21	11	52%	10	48%	
AM	7	O	Montongo St from New Salem to Westmore Rd	East	120	6	6	100%	0	0%	
AM	7	P	Montongo St from Westmore Rd to Tyrolean Rd	East	2,905	145	0	0%	145	100%	
AM	7	Q	Montongo St from Tyrolean Rd to Acama St	East	200	10	0	0%	10	100%	
AM	7	R	Montongo St from Acama St to Tyrolean Rd	West	150	8	3	40%	5	60%	
AM	7	S	Montongo St from Tyrolean Rd to Westmore Rd	West	3,110	156	0	0%	156	100%	
AM	7	T	Montongo St from Westmore Rd to New Salem St	West	215	11	4	37%	7	63%	
			Totals		8,654	433	64	15%	369	85%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
Mid-Day	7	A	Camino Ruiz from New Salem Rd to Westmore Rd	East	200	10	1	10%	9	90%	
Mid-Day	7	B	Camino Ruiz from Westmore Rd to Hydra Ln	East	0	0	0	0%	0	0%	
Mid-Day	7	C	Camino Ruiz from Hydra Ln to Calle Morelos	East	0	0	0	0%	0	0%	
Mid-Day	7	D	Camino Ruiz from Calle Morelos to Capricorn Wy	East	340	17	13	76%	4	24%	
Mid-Day	7	E	Camino Ruiz from Capricorn Wy to Zapata Ave	East	125	6	0	0%	6	100%	
Mid-Day	7	F	Camino Ruiz from Zapata Ave to Aquarius Dr	East	0	0	0	0%	0	0%	
Mid-Day	7	G	Camino Ruiz from Aquarius Dr to Calle Cristobal	East	0	0	0	0%	0	0%	
Mid-Day	7	H	Camino Ruiz from Calle Cristobal to Aquarius Dr	West	0	0	0	0%	0	0%	
Mid-Day	7	I	Camino Ruiz from Aquarius Dr to Zapata Ave	West	505	25	9	36%	16	64%	
Mid-Day	7	J	Camino Ruiz from Zapata Ave to Capricorn Wy	West	0	0	0	0%	0	0%	
Mid-Day	7	K	Camino Ruiz from Capricorn Wy to Calle Morelos	West	0	0	0	0%	0	0%	
Mid-Day	7	L	Camino Ruiz from Calle Morelos to Hydra Ln	West	0	0	0	0%	0	0%	
Mid-Day	7	M	Camino Ruiz from Hydra Ln to Westmore Rd	West	364	18	9	49%	9	51%	
Mid-Day	7	N	Camino Ruiz from Westmore Rd to New Salem St	West	420	21	9	43%	12	57%	
Mid-Day	7	O	Montongo St from New Salem to Westmore Rd	East	120	6	5	83%	1	17%	
Mid-Day	7	P	Montongo St from Westmore Rd to Tyrolean Rd	East	2,905	145	2	1%	143	99%	
Mid-Day	7	Q	Montongo St from Tyrolean Rd to Acama St	East	200	10	0	0%	10	100%	
Mid-Day	7	R	Montongo St from Acama St to Tyrolean Rd	West	150	8	1	13%	7	87%	
Mid-Day	7	S	Montongo St from Tyrolean Rd to Westmore Rd	West	3,110	156	0	0%	156	100%	
Mid-Day	7	T	Montongo St from Westmore Rd to New Salem St	West	215	11	4	37%	7	63%	
			Totals		8,654	433	53	12%	380	88%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
PM	7	A	Camino Ruiz from New Salem Rd to Westmore Rd	East	200	10	3	30%	7	70%	
PM	7	B	Camino Ruiz from Westmore Rd to Hydra Ln	East	0	0	0	0%	0	0%	
PM	7	C	Camino Ruiz from Hydra Ln to Calle Morelos	East	0	0	0	0%	0	0%	
PM	7	D	Camino Ruiz from Calle Morelos to Capricorn Wy	East	340	17	10	59%	7	41%	
PM	7	E	Camino Ruiz from Capricorn Wy to Zapata Ave	East	125	6	0	0%	6	0%	
PM	7	F	Camino Ruiz from Zapata Ave to Aquarius Dr	East	0	0	0	0%	0	0%	
PM	7	G	Camino Ruiz from Aquarius Dr to Calle Cristobal	East	0	0	0	0%	0	0%	
PM	7	H	Camino Ruiz from Calle Cristobal to Aquarius Dr	West	0	0	0	0%	0	0%	
PM	7	I	Camino Ruiz from Aquarius Dr to Zapata Ave	West	505	25	15	59%	10	41%	
PM	7	J	Camino Ruiz from Zapata Ave to Capricorn Wy	West	0	0	0	0%	0	0%	
PM	7	K	Camino Ruiz from Capricorn Wy to Calle Morelos	West	0	0	0	0%	0	0%	
PM	7	L	Camino Ruiz from Calle Morelos to Hydra Ln	West	0	0	0	0%	0	0%	
PM	7	M	Camino Ruiz from Hydra Ln to Westmore Rd	West	364	18	12	66%	6	34%	
PM	7	N	Camino Ruiz from Westmore Rd to New Salem St	West	420	21	10	48%	11	52%	
PM	7	O	Montongo St from New Salem to Westmore Rd	East	120	6	6	100%	0	0%	
PM	7	P	Montongo St from Westmore Rd to Tyrolean Rd	East	2,905	145	4	3%	141	97%	
PM	7	Q	Montongo St from Tyrolean Rd to Acama St	East	200	10	0	0%	10	100%	
PM	7	R	Montongo St from Acama St to Tyrolean Rd	West	150	8	1	13%	7	87%	
PM	7	S	Montongo St from Tyrolean Rd to Westmore Rd	West	3,110	156	0	0%	156	100%	
PM	7	T	Montongo St from Westmore Rd to New Salem St	West	215	11	3	28%	8	72%	
			Totals		8,654	433	64	15%	369	85%	

**Footnotes**

<sup>1</sup>Maximum capacity based on available parking ÷ 20 feet on-street parallel parking standard as per Page 13 Section (4) (D) of the:

[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)



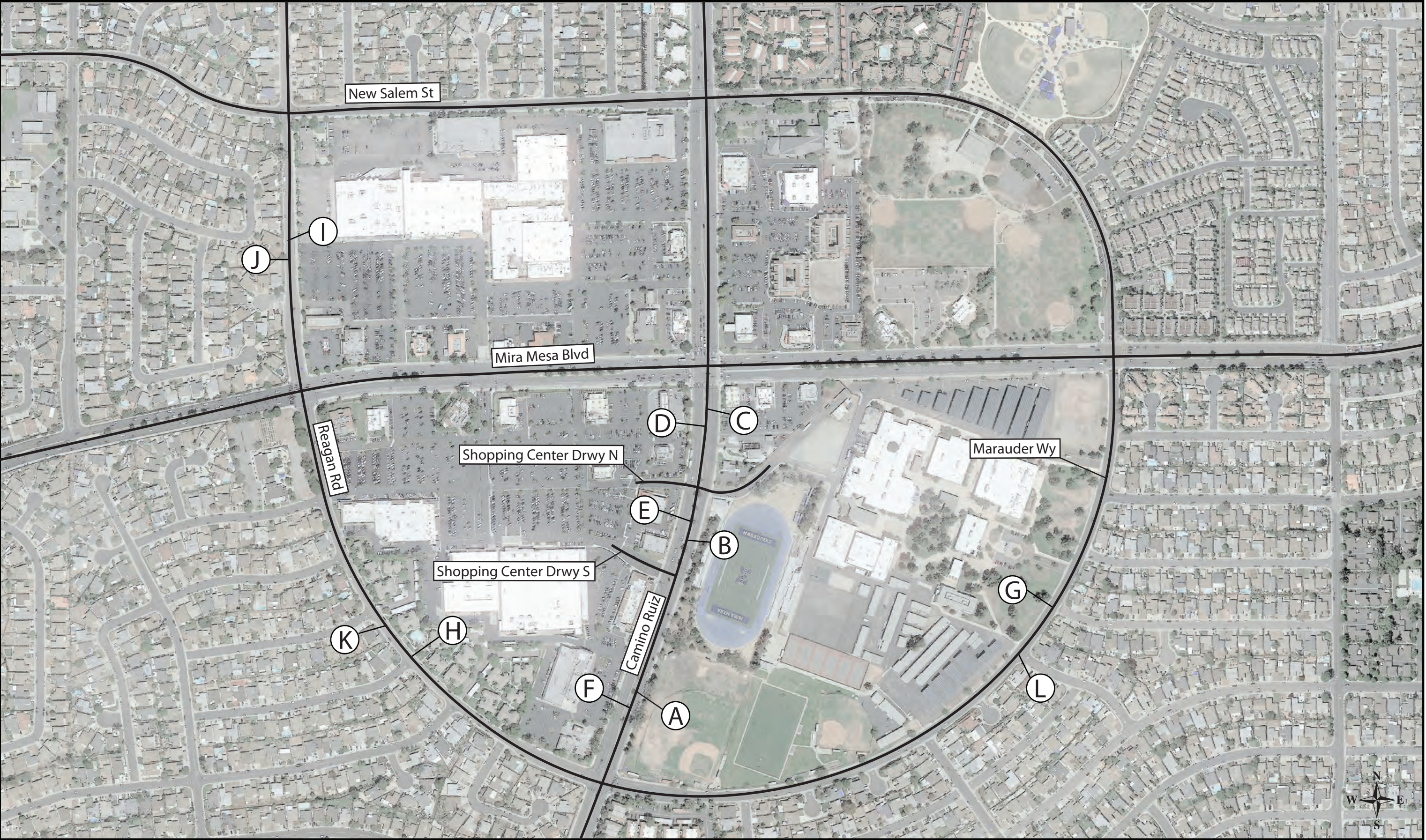


Figure 1.8 - Zone 8 Study Segments





Figure 1.8a - Zone 8 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
AM	8	A	Camino Ruiz from Marauder Wy to Shopping Center Drwy (South)	East	0	0	0	0%	0	0%	
AM	8	B	Camino Ruiz from Shopping Center Drwy (South) to Shopping Center Drwy (North)	East	0	0	0	0%	0	0%	
AM	8	C	Camino Ruiz from Shopping Center Drwy (North) to Mira Mesa Blvd	East	0	0	0	0%	0	0%	
AM	8	D	Camino Ruiz from Mira Mesa Blvd to Shopping Center Drwy (North)	West	140	7	2	29%	5	71%	
AM	8	E	Camino Ruiz from Shopping Center Drwy (North) to Shopping Center Drwy (South)	West	180	9	1	11%	8	89%	
AM	8	F	Camino Ruiz from Shopping Center Drwy (South) to Marauder Wy	West	220	11	6	55%	5	45%	
AM	8	G	Marauder Wy from Mira Mesa Blvd to Camino Ruiz	West	1,840	92	18	20%	74	80%	
AM	8	H	Reagan Rd from Camino Ruiz to Mira Mesa Blvd	East	1,245	62	27	43%	35	57%	
AM	8	I	Reagan Rd from Mira Mesa Blvd to New Salem St	East	380	19	1	5%	18	95%	
AM	8	J	Reagan Rd from New Salem St to Mira Mesa Blvd	West	710	36	6	17%	30	83%	
AM	8	K	Reagan Rd from Mira Mesa Blvd to Camino Ruiz	West	780	39	10	26%	29	74%	
AM	8	L	Marauder Wy from Camino Ruiz to Mira Mesa Blvd	East	1,255	63	35	56%	28	44%	
			Totals		6,750	338	106	31%	232	69%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
Mid-Day	8	A	Camino Ruiz from Marauder Wy to Shopping Center Drwy (South)	East	0	0	0	0%	0	0%	
Mid-Day	8	B	Camino Ruiz from Shopping Center Drwy (South) to Shopping Center Drwy (North)	East	0	0	0	0%	0	0%	
Mid-Day	8	C	Camino Ruiz from Shopping Center Drwy (North) to Mira Mesa Blvd	East	0	0	0	0%	0	0%	
Mid-Day	8	D	Camino Ruiz from Mira Mesa Blvd to Shopping Center Drwy (North)	West	140	7	2	29%	5	71%	
Mid-Day	8	E	Camino Ruiz from Shopping Center Drwy (North) to Shopping Center Drwy (South)	West	180	9	2	22%	7	78%	
Mid-Day	8	F	Camino Ruiz from Shopping Center Drwy (South) to Marauder Wy	West	220	11	7	64%	4	36%	
Mid-Day	8	G	Marauder Wy from Mira Mesa Blvd to Camino Ruiz	West	1,840	92	32	35%	60	65%	
Mid-Day	8	H	Reagan Rd from Camino Ruiz to Mira Mesa Blvd	East	1,245	62	16	26%	46	74%	
Mid-Day	8	I	Reagan Rd from Mira Mesa Blvd to New Salem St	East	380	19	1	5%	18	95%	
Mid-Day	8	J	Reagan Rd from New Salem St to Mira Mesa Blvd	West	710	36	3	8%	33	92%	
Mid-Day	8	K	Reagan Rd from Mira Mesa Blvd to Camino Ruiz	West	780	39	8	21%	31	79%	
Mid-Day	8	L	Marauder Wy from Camino Ruiz to Mira Mesa Blvd	East	1,255	63	39	62%	24	38%	
			Totals		6,750	338	110	33%	228	67%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	Spare Capacity %	Notes
PM	8	A	Camino Ruiz from Marauder Wy to Shopping Center Drwy (South)	East	0	0	0	0%	0	100%	
PM	8	B	Camino Ruiz from Shopping Center Drwy (South) to Shopping Center Drwy (North)	East	0	0	0	0%	0	100%	
PM	8	C	Camino Ruiz from Shopping Center Drwy (North) to Mira Mesa Blvd	East	0	0	0	0%	0	100%	
PM	8	D	Camino Ruiz from Mira Mesa Blvd to Shopping Center Drwy (North)	West	140	7	2	29%	5	71%	
PM	8	E	Camino Ruiz from Shopping Center Drwy (North) to Shopping Center Drwy (South)	West	180	9	2	22%	7	78%	
PM	8	F	Camino Ruiz from Shopping Center Drwy (South) to Marauder Wy	West	220	11	5	45%	6	55%	
PM	8	G	Marauder Wy from Mira Mesa Blvd to Camino Ruiz	West	1,840	92	46	50%	46	50%	
PM	8	H	Reagan Rd from Camino Ruiz to Mira Mesa Blvd	East	1,245	62	23	37%	39	63%	
PM	8	I	Reagan Rd from Mira Mesa Blvd to New Salem St	East	380	19	1	5%	18	95%	
PM	8	J	Reagan Rd from New Salem St to Mira Mesa Blvd	West	710	36	3	8%	33	92%	
PM	8	K	Reagan Rd from Mira Mesa Blvd to Camino Ruiz	West	780	39	8	21%	31	79%	
PM	8	L	Marauder Wy from Camino Ruiz to Mira Mesa Blvd	East	1,255	63	56	89%	7	11%	
			Totals		6,750	338	146	43%	192	57%	

**Footnotes**

<sup>1</sup>Maximum capacity based on available parking + 20 feet on-street parallel parking standard as per Page 13 Section 4) (D) of the:

[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)



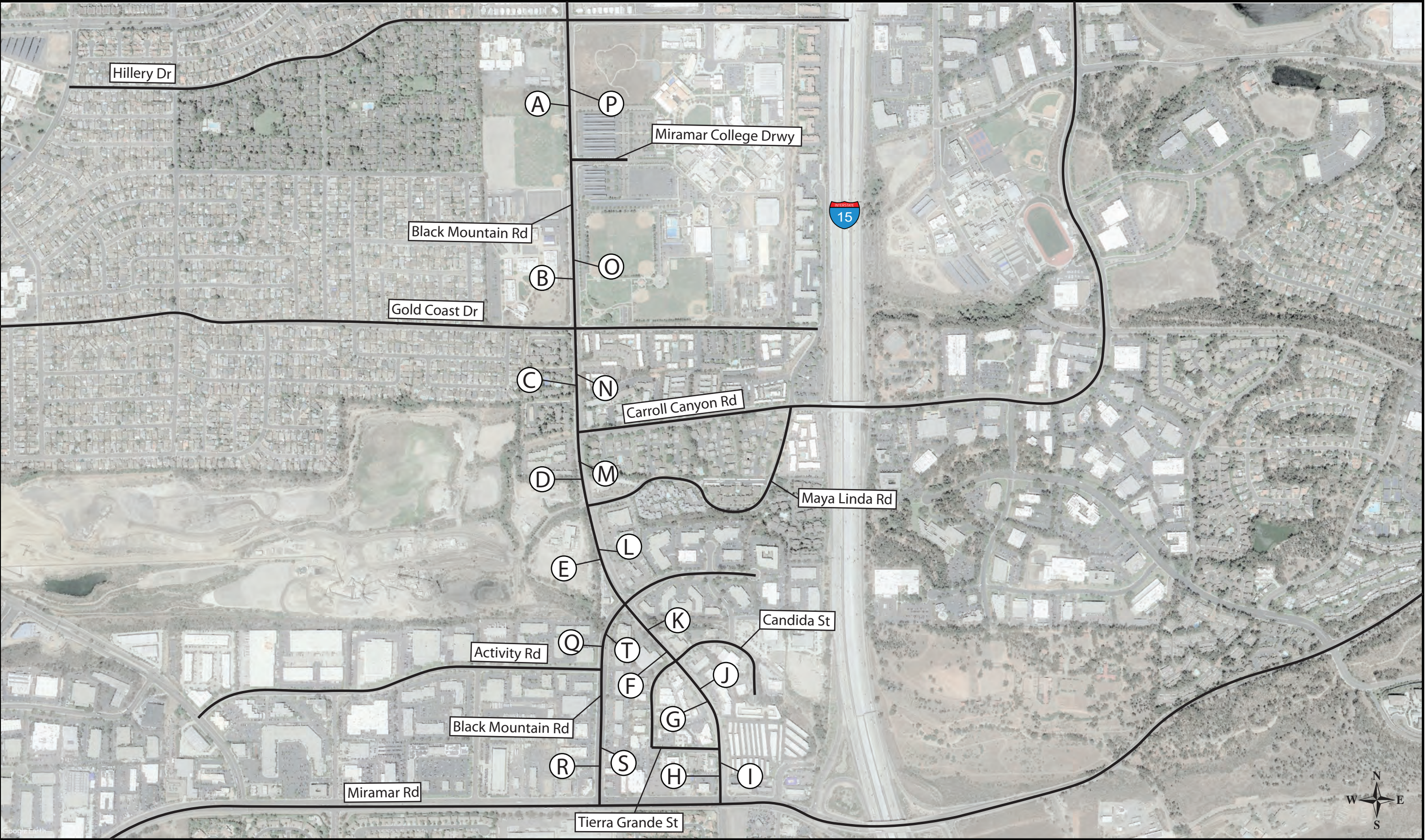


Figure 1.9 - Zone 9 Study Segments





Figure 1.9a - Zone 9 Study Segment Results

Utilization	
0-49%	70-84%
50-69%	85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
AM	9	A	Black Mountain Rd from Hillery Dr to Miramar College Drwy	West	740	37	12	32%	25	68%	
AM	9	B	Black Mountain Rd from Miramar College Drwy to Gold Coast Dr	West	840	42	16	38%	26	62%	
AM	9	C	Black Mountain Rd from Gold Coast Dr to Carroll Canyon Rd	West	0	0	0	0%	0	0%	
AM	9	D	Black Mountain Rd from Carroll Canyon Rd to Maya Linda Rd	West	260	13	6	46%	7	54%	
AM	9	E	Black Mountain Rd from Maya Linda Rd to Kearny Villa Rd	West	0	0	0	0%	0	0%	
AM	9	F	Kearny Villa Rd from Black Mountain Rd to Candida St	West	0	0	0	0%	0	0%	
AM	9	G	Kearny Villa Rd from Candida St to Tierra Grande St	West	0	0	0	0%	0	0%	
AM	9	H	Kearny Villa Rd from Tierra Grande St to Miramar Rd	West	0	0	0	0%	0	0%	
AM	9	I	Kearny Villa Rd from Miramar Rd to Tierra Grande St	East	0	0	0	0%	0	0%	
AM	9	J	Kearny Villa Rd from Tierra Grande St to Candida St	East	630	32	11	35%	21	65%	
AM	9	K	Kearny Villa Rd from Candida St to Black Mountain Rd	East	0	0	0	0%	0	0%	
AM	9	L	Black Mountain Rd from Kearny Villa Rd to Maya Linda Rd	East	0	0	0	0%	0	0%	
AM	9	M	Black Mountain Rd from Maya Linda Rd to Carroll Canyon Rd	East	220	11	6	55%	5	45%	
AM	9	N	Black Mountain Rd from Carroll Canyon Rd to Gold Coast Dr	East	510	26	14	55%	12	45%	
AM	9	O	Black Mountain Rd from Gold Coast Dr to Miramar College Drwy	East	0	0	0	0%	0	0%	
AM	9	P	Black Mountain Rd from Miramar College Drwy to Hillery Dr	East	0	0	0	0%	0	0%	
AM	9	Q	Black Mountain Rd from Kearny Villa Rd to Activity Rd	West	390	20	0	0%	20	100%	
AM	9	R	Black Mountain Rd from Activity Rd to Miramar Rd	West	320	16	11	69%	5	31%	
AM	9	S	Black Mountain Rd from Miramar Rd to Activity Rd	East	560	28	21	75%	7	25%	
AM	9	T	Black Mountain Rd from Activity Rd to Kearny Villa Rd	East	0	0	0	0%	0	0%	
			Totals		4,470	224	97	43%	127	57%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
Mid-Day	9	A	Black Mountain Rd from Hillery Dr to Miramar College Drwy	West	740	37	25	68%	12	32%	
Mid-Day	9	B	Black Mountain Rd from Miramar College Drwy to Gold Coast Dr	West	840	42	19	45%	23	55%	
Mid-Day	9	C	Black Mountain Rd from Gold Coast Dr to Carroll Canyon Rd	West	0	0	0	0%	0	0%	
Mid-Day	9	D	Black Mountain Rd from Carroll Canyon Rd to Maya Linda Rd	West	260	13	5	38%	8	62%	
Mid-Day	9	E	Black Mountain Rd from Maya Linda Rd to Kearny Villa Rd	West	0	0	0	0%	0	0%	
Mid-Day	9	F	Kearny Villa Rd from Black Mountain Rd to Candida St	West	0	0	1	0%	-1	0%	
Mid-Day	9	G	Kearny Villa Rd from Candida St to Tierra Grande St	West	0	0	0	0%	0	0%	
Mid-Day	9	H	Kearny Villa Rd from Tierra Grande St to Miramar Rd	West	0	0	0	0%	0	0%	
Mid-Day	9	I	Kearny Villa Rd from Miramar Rd to Tierra Grande St	East	0	0	0	0%	0	0%	
Mid-Day	9	J	Kearny Villa Rd from Tierra Grande St to Candida St	East	630	32	14	44%	18	56%	
Mid-Day	9	K	Kearny Villa Rd from Candida St to Black Mountain Rd	East	0	0	0	0%	0	0%	
Mid-Day	9	L	Black Mountain Rd from Kearny Villa Rd to Maya Linda Rd	East	0	0	0	0%	0	0%	
Mid-Day	9	M	Black Mountain Rd from Maya Linda Rd to Carroll Canyon Rd	East	220	11	5	45%	6	55%	
Mid-Day	9	N	Black Mountain Rd from Carroll Canyon Rd to Gold Coast Dr	East	510	26	12	47%	14	53%	
Mid-Day	9	O	Black Mountain Rd from Gold Coast Dr to Miramar College Drwy	East	0	0	0	0%	0	0%	
Mid-Day	9	P	Black Mountain Rd from Miramar College Drwy to Hillery Dr	East	0	0	0	0%	0	0%	
Mid-Day	9	Q	Black Mountain Rd from Kearny Villa Rd to Activity Rd	West	390	20	0	0%	20	100%	
Mid-Day	9	R	Black Mountain Rd from Activity Rd to Miramar Rd	West	320	16	16	100%	0	0%	
Mid-Day	9	S	Black Mountain Rd from Miramar Rd to Activity Rd	East	560	28	25	89%	3	11%	
Mid-Day	9	T	Black Mountain Rd from Activity Rd to Kearny Villa Rd	East	0	0	0	0%	0	0%	
			Totals		4,470	224	122	55%	102	45%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity		Notes
PM	9	A	Black Mountain Rd from Hillery Dr to Miramar College Drwy	West	740	37	15	41%	22	59%	
PM	9	B	Black Mountain Rd from Miramar College Drwy to Gold Coast Dr	West	840	42	11	26%	31	74%	
PM	9	C	Black Mountain Rd from Gold Coast Dr to Carroll Canyon Rd	West	0	0	0	0%	0	0%	
PM	9	D	Black Mountain Rd from Carroll Canyon Rd to Maya Linda Rd	West	260	13	9	69%	4	31%	
PM	9	E	Black Mountain Rd from Maya Linda Rd to Kearny Villa Rd	West	0	0	0	0%	0	0%	
PM	9	F	Kearny Villa Rd from Black Mountain Rd to Candida St	West	0	0	0	0%	0	0%	
PM	9	G	Kearny Villa Rd from Candida St to Tierra Grande St	West	0	0	0	0%	0	0%	
PM	9	H	Kearny Villa Rd from Tierra Grande St to Miramar Rd	West	0	0	0	0%	0	0%	
PM	9	I	Kearny Villa Rd from Miramar Rd to Tierra Grande St	East	0	0	0	0%	0	0%	
PM	9	J	Kearny Villa Rd from Tierra Grande St to Candida St	East	630	32	12	38%	20	62%	
PM	9	K	Kearny Villa Rd from Candida St to Black Mountain Rd	East	0	0	0	0%	0	0%	
PM	9	L	Black Mountain Rd from Kearny Villa Rd to Maya Linda Rd	East	0	0	0	0%	0	0%	
PM	9	M	Black Mountain Rd from Maya Linda Rd to Carroll Canyon Rd	East	220	11	8	73%	3	27%	
PM	9	N	Black Mountain Rd from Carroll Canyon Rd to Gold Coast Dr	East	510	26	25	98%	1	2%	
PM	9	O	Black Mountain Rd from Gold Coast Dr to Miramar College Drwy	East	0	0	0	0%	0	0%	
PM	9	P	Black Mountain Rd from Miramar College Drwy to Hillery Dr	East	0	0	0	0%	0	0%	
PM	9	Q	Black Mountain Rd from Kearny Villa Rd to Activity Rd	West	390	20	0	0%	20	100%	
PM	9	R	Black Mountain Rd from Activity Rd to Miramar Rd	West	320	16	10	63%	6	38%	
PM	9	S	Black Mountain Rd from Miramar Rd to Activity Rd	East	560	28	22	79%	6	21%	
PM	9	T	Black Mountain Rd from Activity Rd to Kearny Villa Rd	East	0	0	0	0%	0	0%	
			Totals		4,470	224	112	50%	112	50%	

**Footnotes**

<sup>1</sup>Maximum capacity based on available parking ÷ 20 feet on-street parallel parking standard as per Page 13 Section (4) (D) of the:

[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)





Figure 1.10 - Zone 10 Study Segments





Figure 1.10a - Zone 10 Study Segment Results

Utilization
0-49%
50-69%
70-84%
85-100%

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
AM	10	A	Galvin Ave between Black Mountain Rd and Ice Skate Place	South	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
AM	10	B	Galvin Ave between Black Mountain Rd and Ice Skate Place	South	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
AM	10	C	Galvin Ave between Westview Pkwy and Ice Skate Place	North	80	4	0	0%	4	100%	Some sections "No parking/Stopping Any Time, school buses excluded"
AM	10	D	Galvin Ave between Westview Pkwy and Ice Skate Place	North	167	8	6	72%	2	28%	Some sections "No parking/Stopping Any Time"
AM	10	E	Westview Pkwy between Galvin Ave and Mira Lee Way	East	110	6	2	36%	4	64%	
AM	10	F	Westview Pkwy between Mira Lee Way and Capricorn Way	East	592	30	19	64%	11	36%	
AM	10	G	Westview Pkwy between Capricorn Way and Compass Point Drive South	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
AM	10	H	Westview Pkwy between Compass Point Drive South and Westview Place	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
AM	10	I	Westview Pkwy between Westview Place and Compass Point Drive North	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
AM	10	J	Westview Pkwy between Compass Point Drive North Questa Pointe	East	206	10	0	0%	10	100%	
AM	10	K	Westview Pkwy between Questa Pointe and Westview Pkwy Drive	East	140	7	5	71%	2	29%	
AM	10	L	Westview Pkwy between Westview Pkwy Drive and Black Mountain Rd	East	530	27	13	49%	14	51%	
AM	10	M	Westview Pkwy between Westview Pkwy Drive and Black Mountain Rd	West	427	21	14	66%	7	34%	
AM	10	N-O	Westview Pkwy between Westview Pkwy Drive and Compass Point Drive N	West	580	29	14	48%	15	52%	
AM	10	P	Westview Pkwy between Compass Point Drive North and South	West	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
AM	10	Q	Westview Pkwy between Capricorn Way and Compass Point Drive South	West	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
AM	10	R	Westview Pkwy between Mira Lee Way and Capricorn Way	West	470	24	10	43%	14	57%	
AM	10	S	Westview Pkwy between Galvin Ave and Mira Lee Way	West	485	24	14	58%	10	42%	
AM	10	T	Capricorn Way between Westview Pkwy and Capricorn Way (Sunset Glen)	North	475	28	1	4%	27	96%	Marked, diagonal bays (17' wide)
AM	10	U	Capricorn Way between Capricorn Way (Sunset Glen) and Summershade Ln	North	221	13	3	23%	10	77%	Marked, diagonal bays (17' wide)
AM	10	V	Capricorn Way between Summershade Ln and Black Mountain Road	North	0	0	0	0%	0	0%	
AM	10	W	Capricorn Way between Black Mountain Road and Summershade Ln	South	0	0	0	0%	0	0%	
AM	10	X	Capricorn Way between Summershade Ln and Featherhill Ln	South	155	9	7	77%	2	23%	Marked, diagonal bays (17' wide)
AM	10	Y	Capricorn Way between Featherhill Ln and Westview Pkwy	South	238	14	6	43%	8	57%	Marked, diagonal bays (17' wide)
AM	10	Z	Westview Pkwy between Galvin Ave and Mira Mesa Blvd	West	528	26	6	23%	20	77%	Data collected on 05-22-2019
			Totals		4,876	253	120	47%	133	53%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
Mid-Day	10	A	Galvin Ave between Black Mountain Rd and Ice Skate Place	South	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
Mid-Day	10	B	Galvin Ave between Black Mountain Rd and Ice Skate Place	South	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
Mid-Day	10	C	Galvin Ave between Westview Pkwy and Ice Skate Place	North	80	4	8	200%	-4	-100%	Some sections "No parking/Stopping Any Time"
Mid-Day	10	D	Galvin Ave between Westview Pkwy and Ice Skate Place	North	167	8	5	60%	3	40%	Some sections "No parking/Stopping Any Time"
Mid-Day	10	E	Westview Pkwy between Galvin Ave and Mira Lee Way	East	110	6	1	18%	5	82%	
Mid-Day	10	F	Westview Pkwy between Mira Lee Way and Capricorn Way	East	592	30	18	61%	12	39%	
Mid-Day	10	G	Westview Pkwy between Capricorn Way and Compass Point Drive South	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
Mid-Day	10	H	Westview Pkwy between Compass Point Drive South and Westview Place	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
Mid-Day	10	I	Westview Pkwy between Westview Place and Compass Point Drive North	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
Mid-Day	10	J	Westview Pkwy between Compass Point Drive North Questa Pointe	East	206	10	4	39%	6	61%	
Mid-Day	10	K	Westview Pkwy between Questa Pointe and Westview Pkwy Drive	East	140	7	0	0%	7	100%	
Mid-Day	10	L	Westview Pkwy between Westview Pkwy Drive and Black Mountain Rd	East	530	27	5	19%	22	81%	
Mid-Day	10	M	Westview Pkwy between Westview Pkwy Drive and Black Mountain Rd	West	427	21	12	56%	9	44%	
Mid-Day	10	N-O	Westview Pkwy between Westview Pkwy Drive and Compass Point Drive N	West	580	29	13	45%	16	55%	
Mid-Day	10	P	Westview Pkwy between Compass Point Drive North and South	West	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
Mid-Day	10	Q	Westview Pkwy between Capricorn Way and Compass Point Drive South	West	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
Mid-Day	10	R	Westview Pkwy between Mira Lee Way and Capricorn Way	West	470	24	17	72%	7	28%	
Mid-Day	10	S	Westview Pkwy between Galvin Ave and Mira Lee Way	West	485	24	16	66%	8	34%	
Mid-Day	10	T	Capricorn Way between Westview Pkwy and Capricorn Way (Sunset Glen)	North	475	28	0	0%	28	100%	Marked, diagonal bays (17' wide)
Mid-Day	10	2	Capricorn Way between Capricorn Way (Sunset Glen) and Summershade Ln	North	221	13	2	15%	11	85%	Marked, diagonal bays (17' wide)
Mid-Day	10	3	Capricorn Way between Summershade Ln and Black Mountain Road	North	0	0	0	0%	0	0%	
Mid-Day	10	4	Capricorn Way between Black Mountain Road and Summershade Ln	South	0	0	0	0%	0	0%	
Mid-Day	10	5	Capricorn Way between Summershade Ln and Featherhill Ln	South	155	9	4	44%	5	56%	Marked, diagonal bays (17' wide)
Mid-Day	10	6	Capricorn Way between Featherhill Ln and Westview Pkwy	South	238	14	6	43%	8	57%	Marked, diagonal bays (17' wide)
Mid-Day	10	Z	Westview Pkwy between Galvin Ave and Mira Mesa Blvd	West	528	26	8	30%	18	70%	Data collected on 05-16-2019
			Totals		4,876	253	119	47%	134	53%	

Peak	Zone	Segment	Segment Description	Side of Street	Available Parking (feet)	Max Capacity <sup>1</sup>	Occupied #	Utilization %	Spare Capacity #	%	Notes
PM	10	A	Galvin Ave between Black Mountain Rd and Ice Skate Place	South	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
PM	10	B	Galvin Ave between Black Mountain Rd and Ice Skate Place	South	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
PM	10	C	Galvin Ave between Westview Pkwy and Ice Skate Place	North	80	4	0	0%	4	100%	Some sections "No parking/Stopping Any Time"
PM	10	D	Galvin Ave between Westview Pkwy and Ice Skate Place	North	167	8	6	72%	2	28%	Some sections "No parking/Stopping Any Time"
PM	10	E	Westview Pkwy between Galvin Ave and Mira Lee Way	East	110	6	3	55%	3	45%	
PM	10	F	Westview Pkwy between Mira Lee Way and Capricorn Way	East	592	30	18	61%	12	39%	
PM	10	G	Westview Pkwy between Capricorn Way and Compass Point Drive South	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
PM	10	H	Westview Pkwy between Compass Point Drive South and Westview Place	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
PM	10	I	Westview Pkwy between Westview Place and Compass Point Drive North	East	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
PM	10	J	Westview Pkwy between Compass Point Drive North Questa Pointe	East	206	10	0	0%	10	100%	
PM	10	K	Westview Pkwy between Questa Pointe and Westview Pkwy Drive	East	140	7	5	71%	2	29%	
PM	10	L	Westview Pkwy between Westview Pkwy Drive and Black Mountain Rd	East	530	27	13	49%	14	51%	
PM	10	M	Westview Pkwy between Westview Pkwy Drive and Black Mountain Rd	West	427	21	15	70%	6	30%	
PM	10	N-O	Westview Pkwy between Westview Pkwy Drive and Compass Point Drive N	West	580	29	18	62%	11	38%	
PM	10	P	Westview Pkwy between Compass Point Drive North and South	West	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
PM	10	Q	Westview Pkwy between Capricorn Way and Compass Point Drive South	West	0	0	0	0%	0	0%	"No parking/Stopping Any Time"
PM	10	R	Westview Pkwy between Mira Lee Way and Capricorn Way	West	470	24	11	47%	13	53%	
PM	10	S	Westview Pkwy between Galvin Ave and Mira Lee Way	West	485	24	12	49%	12	51%	
PM	10	T	Capricorn Way between Westview Pkwy and Capricorn Way (Sunset Glen)	North	475	28	1	4%	27	96%	Marked, diagonal bays (17' wide)
PM	10	U	Capricorn Way between Capricorn Way (Sunset Glen) and Summershade Ln	North	221	13	3	23%	10	77%	Marked, diagonal bays (17' wide)
PM	10	V	Capricorn Way between Summershade Ln and Black Mountain Road	North	0	0	0	0%	0	0%	
PM	10	W	Capricorn Way between Black Mountain Road and Summershade Ln	South	0	0	0	0%	0	0%	
PM	10	X	Capricorn Way between Summershade Ln and Featherhill Ln	South	155	9	7	77%	2	23%	Marked, diagonal bays (17' wide)
PM	10	Y	Capricorn Way between Featherhill Ln and Westview Pkwy	South	238	14	6	43%	8	57%	Marked, diagonal bays (17' wide)
PM	10	Z	Westview Pkwy between Galvin Ave and Mira Mesa Blvd	West	528	26	4	15%	22	85%	Data collected on 05-22-2019
			Totals		4,876	253	122	48%	131	52%	

## Footnotes

<sup>1</sup>Maximum capacity based on available parking < 20 feet on-street parallel parking standard as per Page 13 Section (4) (D) of the:[City of San Diego's Municipal Code Chapter 14 - General Regulations, Article 2 - General Development Regulations, Division 5 - Parking Regulations](#)

## APPENDIX J

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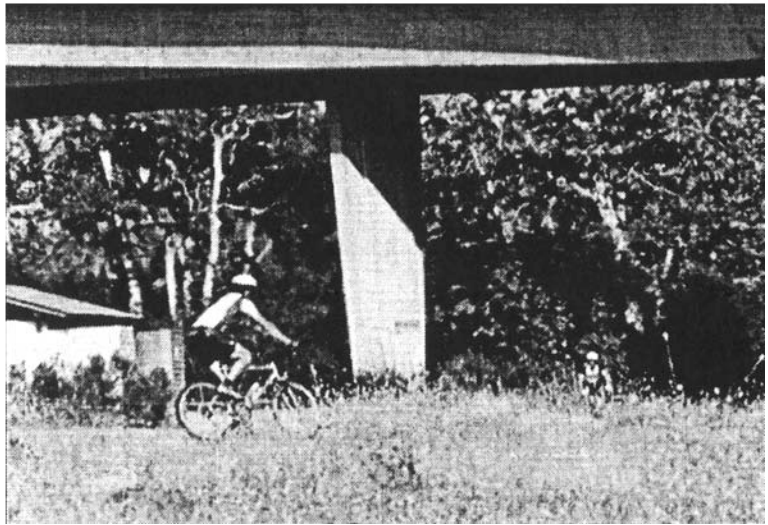
### RELATED PROJECTS



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## TRANSPORTATION SYSTEM

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### GOALS

- An efficient and environmentally sensitive transportation system.
- A transportation system that provides convenient linkages to the community's activity centers and to the rest of the metropolitan region.
- A transportation system that maximizes the opportunities for transit use.
- A system of bikeways and pedestrian facilities that will encourage bicycling and walking as means of transportation.

## INTRODUCTION

Mira Mesa has experienced traffic congestion on its major streets since construction activity boomed in the early 1970s. As in most recently developed communities, Mira Mesa's strictly segregated land use pattern reinforces our over-reliance on the automobile. Due primarily to noise impacts from MCAS Miramar, industrial/business park uses have been concentrated in the area west of Camino Santa Fe and along Miramar Road and residential uses have been restricted to the east, limiting the opportunity for walking or biking to work.

The shortage of through streets in the community also contributes to traffic congestion. Winding street patterns with cul-de-sacs concentrate traffic on major streets and at key intersections. This often results in longer travel distances—again making walking, biking or transit use less attractive.

In addition, Los Peñasquitos Canyon Preserve, which is a sensitive resource of regional significance, restricts access to the north of the community. MCAS Miramar has the same effect at the southern boundary of the community.

Bus service is provided by San Diego Transit Corporation. Four bus routes are now in operation in Mira Mesa (see **Figure 11**). Routes 20 and 210 provide express service via I-15 to downtown. Route 210 also provides connections to Sorrento Mesa in the western part of the community and to Kearny Mesa via I-805. Route 31 provides local service that connects eastern Mira Mesa with University Towne Center, and Route 30 connects eastern Mira Mesa with La Jolla, Pacific Beach and downtown. A park-and-ride facility is located at the northwest corner of I-15 and Mira Mesa Boulevard, which offers commuter parking for Route 20.

Additional transit service is provided by DART (Direct Access to Rapid Transit) under contract to San Diego Transit Corporation. Direct Access to Rapid Transit uses vans to transport members of the community from residential neighborhoods to a transfer point at Black Mountain Road and Mira Mesa Boulevard, where riders can then transfer to Route 20 or Route 30.

The Metropolitan Transit Development Board (MTDB), after studying the feasibility of a light rail transit (LRT) line that would provide east/west service in Mira Mesa, has selected a preferred route alignment that would connect to I-15 in the vicinity of Mira Mesa Boulevard, run south along Black Mountain Road, turn west along Carroll Canyon Road, turn south along the eastern side of I-805 north of La Jolla Village Drive and terminate in University City in the vicinity of Town Centre Drive and Executive Drive (**Figure 12**). If adopted, this line would link two other LRT lines which are also in the planning stages along the I-5 and I-15 corridors.

The North County Transit District is currently implementing a plan for a commuter rail line from Oceanside to downtown San Diego. Two stops will provide access to the western portion of Mira Mesa—one in Sorrento Valley and the other in Mira Mesa at the terminus of Camino Santa Fe, just south of Miramar Road.

## POLICIES

1. Transportation facilities shall be regarded as an integral part of the landscape in which they are sited.
2. New development should be based on a pattern of through streets. Multiple, direct routes allow traffic to be dispersed along many parallel routes, so a single street is not overburdened by excessive traffic.
3. New development along transit routes shall be required to provide turnouts for buses and passenger waiting areas in accordance with MTDB and City policies.
4. Private feeder transit service shall be encouraged, particularly for Sorrento Mesa and for future development in Carroll Canyon, to maximize use of the regional public transit system and reduce reliance on public funding.
5. Street widths should be the minimum necessary to provide safe travel.
6. Major streets shall be designed to include noncontiguous sidewalks and adequate space for future landscaped medians, ornamental lighting and transit facilities.
7. Driveways shall not be permitted on six-lane streets when access is available from adjacent streets.
8. Pedestrian overpasses should be provided where significant pedestrian/automobile conflicts are expected to occur.
9. Bicycle parking facilities shall be required at all commercial sites. Bicycle lockers shall be provided at all employment sites. Signs shall be posted to indicate the availability of these facilities (see **Development Criteria Element**).
10. Bikeways, pedestrian paths and pedestrian facilities should be provided with all new development projects and street improvement projects.



## PROPOSALS

### 1. Camino Ruiz

This Plan proposes that Camino Ruiz terminate just north of Calle Cristobal. The 1981 plan proposed that Camino Ruiz bridge Los Peñasquitos Canyon Preserve, continuing north into the Peñasquitos community. To provide access to the bridge, approximately 1,200 feet of Camino Ruiz would be constructed on fill of what is now a finger canyon leading into the preserve.

While the bridge could be designed to maintain the flow of the creek and preserve the wildlife habitat value of the canyon, it would still create a visual intrusion into the canyon and would disturb much of the mature vegetation under the bridge. Access to the bridge from Calle Cristobal would also require filling the tributary canyon leading to the bridge, which would restrict wildlife movement.

As part of the travel forecast prepared for this Plan update, the transportation system was analyzed with and without the Camino Ruiz crossing. Deleting the crossing would result in an increase in traffic on the remaining north-south access roads and would increase the number of intersections forecast to operate at Level of Service D or below three from two to four (this assumes that all five intersection improvements listed in Proposal 3 are constructed).

### 2. Street Classifications

Proposed street classifications and projected traffic levels (in average daily traffic or ADT) are shown on **Figure 10**. The following streets are proposed for reclassification from their classification in the 1981 plan.

- a. Reclassify Black Mountain Road, between Galvin Avenue and Kearny Villa Road, from a four-lane or six-lane major street and four-lane primary arterial to a six-lane primary arterial.
- b. Reclassify Kearny Villa Road, between Black Mountain Road and Miramar Road, from a four-lane major to a six-lane major street.
- c. Reclassify Carroll Canyon Road, between Sorrento Valley Road and Scranton Road, from a four-lane major to a four-lane collector street.
- d. Reclassify Camino Santa Fe, from Carroll Road to Miramar Road, from a six-lane major street to a six-lane primary arterial.
- e. Reclassify Scranton Road, from Mira Mesa Boulevard to the Barnes Canyon extension, from a local street to a four-lane major street.
- f. Reclassify Barnes Canyon Road from a local street to a four-lane collector street.
- g. Add Mira Sorrento Place as a four-lane collector street from Scranton Road to Vista Sorrento Parkway.

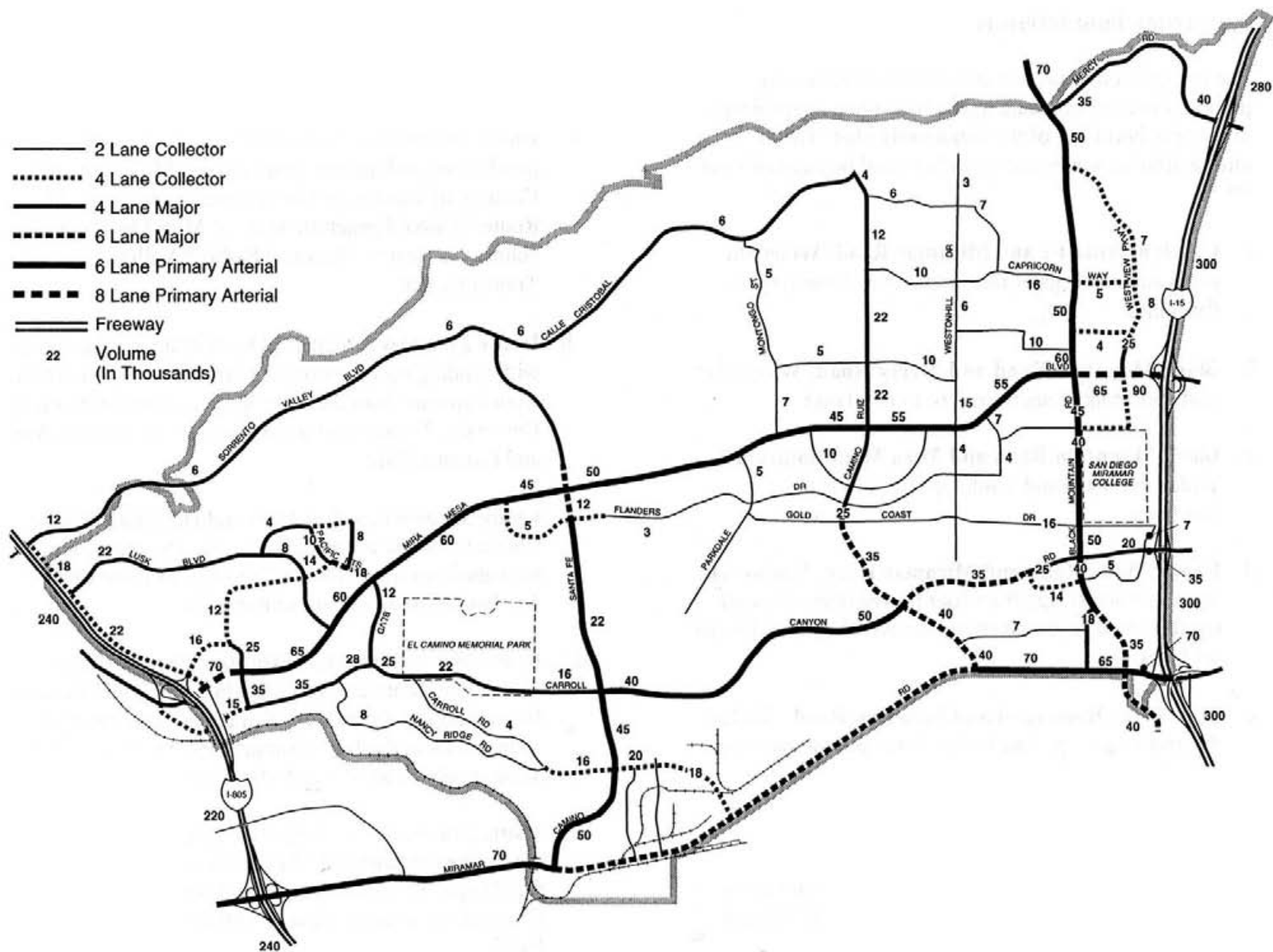


Mira Mesa Community Plan

- 43 -







## Horizon Year Average Daily Traffic and Recommended Street Classifications

Mira Mesa Community Plan

**10**  
FIGURE



- h. Reclassify Westview Parkway, south of Mira Mesa Boulevard, from a four-lane major street to a four-lane collector street.
- i. Reclassify Capricorn Way, between Black Mountain Road and Bootes Street, from a four-lane collector street to a two-lane collector street.

### 3. Intersection Improvements

The intersection improvements described below are proposed to accommodate traffic levels that are projected to occur at buildout of the Plan. The intersection improvements are illustrated on **pages 50 and 51**.

- a. Camino Santa Fe and Miramar Road: Widen the north and east legs of this intersection from four to five lanes.
- b. Black Mountain Road and Mercy Road: Widen the north and south legs from four to five lanes.
- c. Black Mountain Road and Mira Mesa Boulevard: Widen the north and south legs from four to five lanes.
- d. Kearny Villa Road and Miramar Road: Widen the north and south legs from four to five lanes, the east leg from four to six lanes and the west leg from five to six lanes.
- e. Mira Mesa Boulevard and Scranton Road: Widen the north leg from four to five lanes and the west leg from five to six lanes.

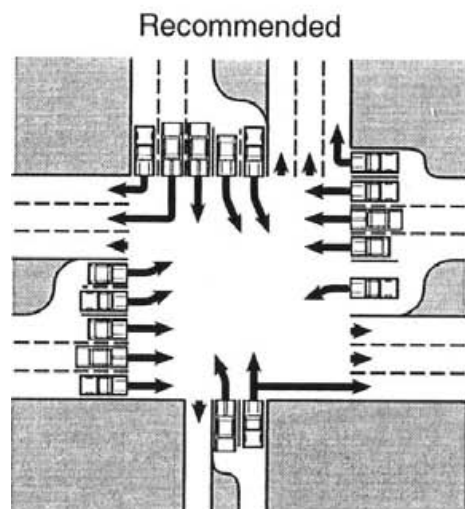
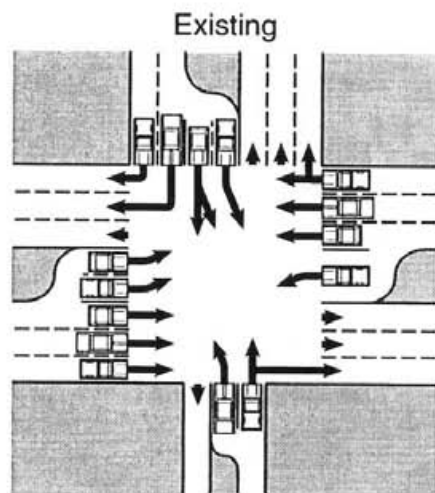
### 4. Transit Service

Proposed transit routes, including the recommendations from MTDB's I-15 Corridor Bus Study (July 1992), are shown in **Figure 12**. Access to the Mira Mesa park-and-ride lot at I-15 and Mira Mesa Boulevard from the north via Westview Parkway is an important part of future transit expansion in this area.

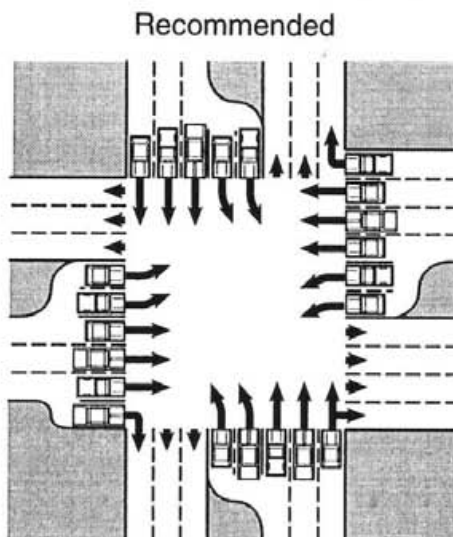
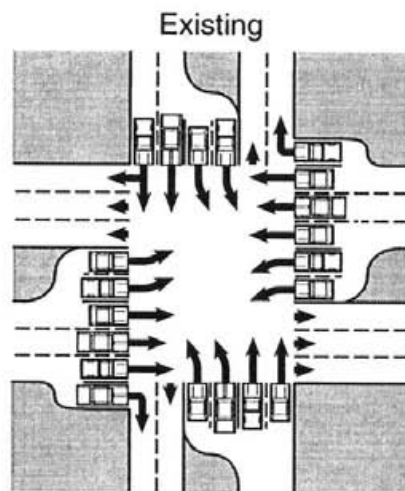
- a. Route 20 would be replaced by new Route 200 (see below) and the segment between Mira Mesa and Centre City San Diego would be renamed Route 21. Route 21 would penetrate more of Mira Mesa and connect to Kearny Mesa and Fashion Valley Transit Center.
- b. Route 24, a new peak period local route, would operate with funding support from the private sector. This route would operate from the Mira Mesa park-and-ride lot to University Towne Centre, with service to Sorrento Mesa and Campus Point.
- c. Route 30, between Mira Mesa and University Towne Centre, would be renamed Route 31. The segment between University Towne Centre and Centre City San Diego would remain as Route 30.
- d. Route 200, a more direct express service replacing the current Route 20, would operate along I-15 between Escondido and Centre City San Diego with transfer connections to the I-15 communities. The stop for Mira Mesa would be at I-15 and Mira Mesa Boulevard.

## Intersection Improvements

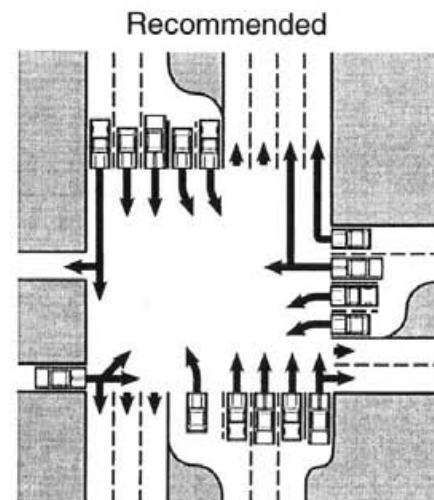
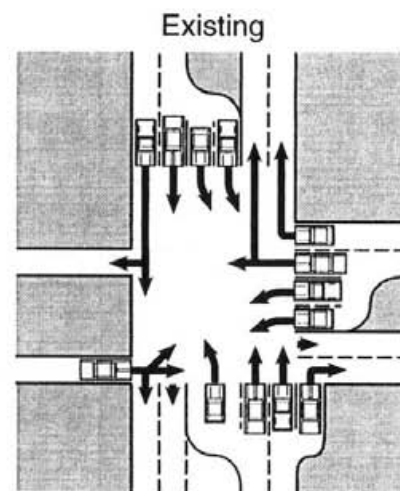
**Camino Santa Fe  
& Miramar Road**



**Black Mountain Road  
& Mira Mesa Blvd**



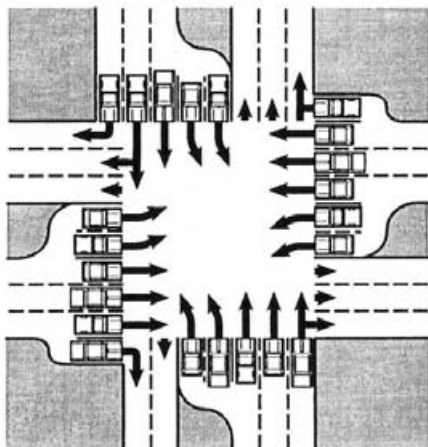
**Black Mountain Road  
& Mercy Road**



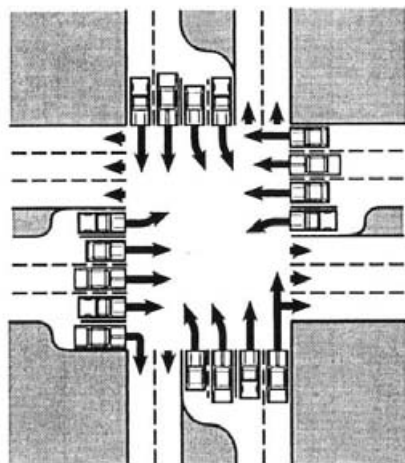
## Intersection Improvements

**Kearny Villa Road  
& Miramar Blvd**

Existing

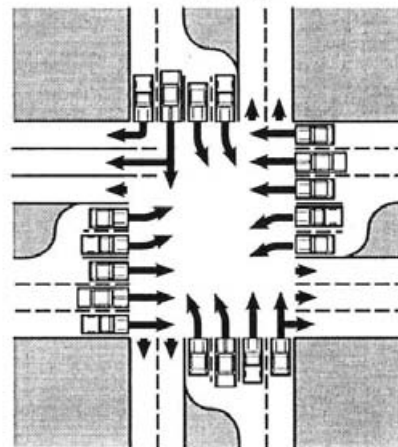


Recommended

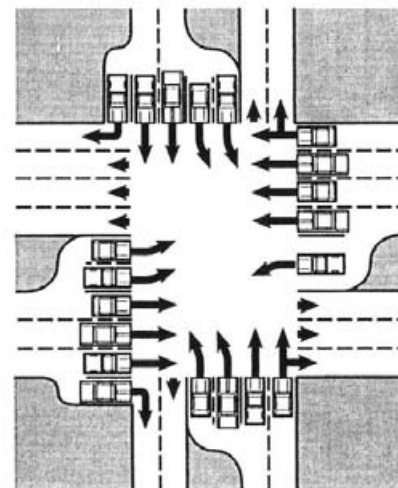


**Mira Mesa Blvd.  
& Scranton Road**

Existing



Recommended



- e. Route 210 would continue to operate peak period commuter service from Mira Mesa to Centre City San Diego. This route also provides reverse commute service from Kearny Mesa to Sorrento Mesa on a limited basis.

## 5. Future Transit Service in Carroll Canyon

A 1991 study by MTDB determined that an east-west LRT line in Mira Mesa is feasible, and selected a preferred alignment in the Carroll Canyon Corridor. Future development in this corridor should be designed to be consistent with provision of a possible future LRT line. Future studies by MTDB will address the cost-effectiveness of light rail compared to other modes of transit.

In order to achieve a reduction in auto trips through the encouragement of pedestrian travel and transit use, the land use pattern and circulation system for future development in the Carroll Canyon Master Plan area should be planned according to the Transit-Oriented Development (TOD) Design Guidelines which are part of the City's Land Guidance Program.

## 6. Pedestrian Facilities

In addition to sidewalks constructed in conjunction with City streets and private walkways constructed as part of planned development permits, two pedestrian bridges are proposed to provide access over Black Mountain Road. One of these is proposed near Capricorn Way or Galvin Avenue for access to Hage Elementary School and Park. The other will be located between Gold Coast Drive and Hillery Drive, providing access between Hourglass Field Community Park and Walker Elementary and Wagenheim Junior High Schools.

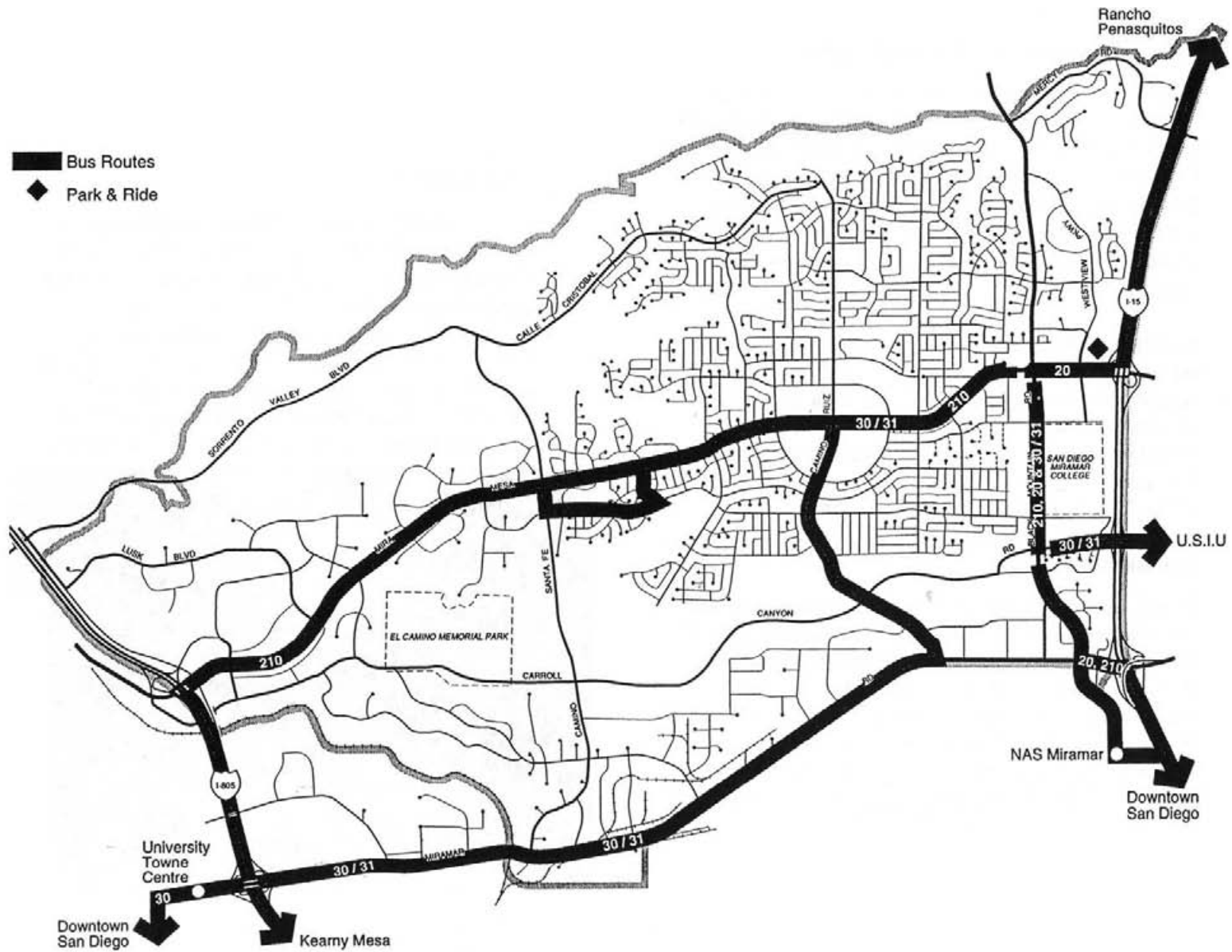
## 7. Bikeway System

Proposed bikeways are shown on **Figure 13**. Bikeway standards are described on **Figure 14**.

## 8. Trail System

A trail system is proposed in Los Peñasquitos Canyon Preserve as part of the Preserve Master Plan to provide access to equestrians and hikers. This trail system is a concept plan only and will be refined during environmental analysis to avoid sensitive areas of the preserve. Future trails will also be identified as part of the Carroll Canyon master plan process. General locations for these trails are shown on **Figure 7** in the **Sensitive Resources and Open Space System Element**.

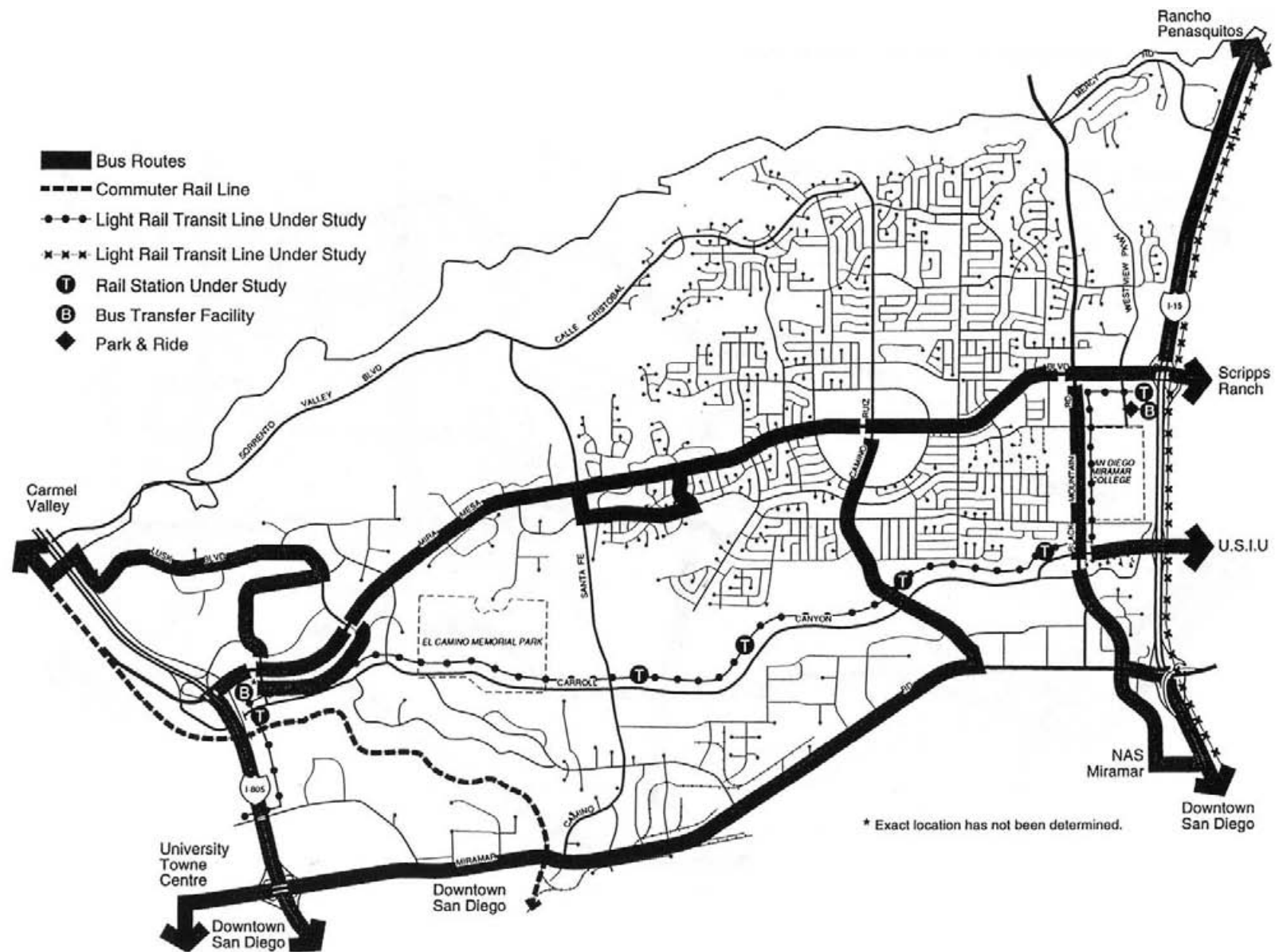




**Existing Transit**  
Mira Mesa Community Plan

**11**  
FIGURE



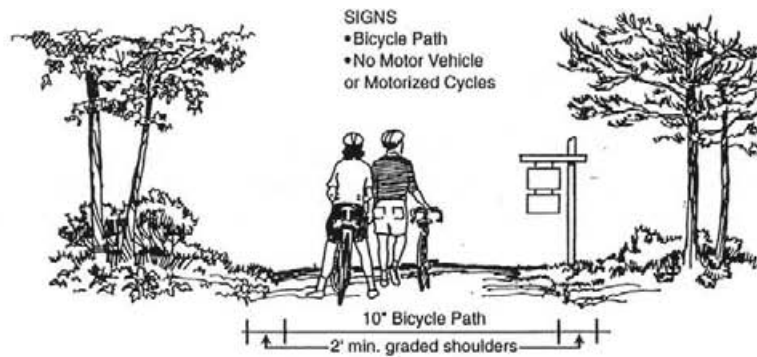


**Recommended Transit**  
**Mira Mesa Community Plan**

**12**  
 FIGURE



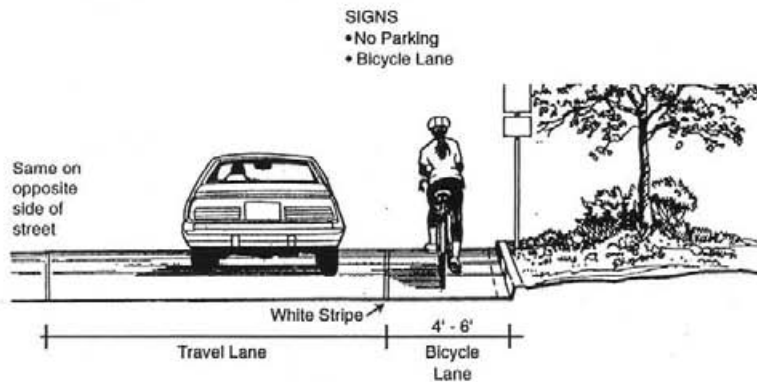




## CLASS I (Typical location - open space)

### Bicycle Path

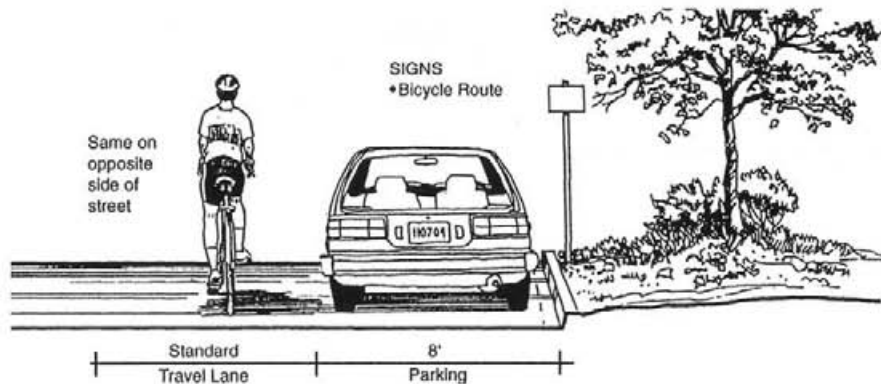
A completely separate right-of-way for the exclusive use of non-motorized vehicles.



## CLASS II (Typical location - major street)

### Bicycle Lane

A restricted right-of-way located on the paved road surface alongside the traffic lane nearest the curb, and identified by special signs, lane striping, and other pavement marking.



## CLASS III (Typical location - neighborhood street)

### Bicycle Lane

A shared right-of-way designated by signs only, with bicycle traffic sharing the roadway with motor vehicles.

*The dimensions illustrated on this page are subject to change.*

## Bicycle Facilities Classifications Mira Mesa Community Plan

**14**  
FIGURE



## ACTION PLAN

Implementation Measures	Timing			Responsibility for Implementation	Source of Funding	See for More Detail
	Adopt With Plan	Within 10 Years	Within 15 Years			
Delete Camino Ruiz from the Plan and General Plan Circulation Element.	λ			Planning Department	General Fund	Proposal 1
Adopt PFFP & FBA* to ensure funding for the street and intersection improvements recommended in this Plan.	λ			Engineering and Development Department	General Fund	Proposals 2, 3 and 6
Require design of a project that will support transit use during the Carroll Canyon master plan process.		λ		Planning Department	Private	Proposal 5
Require provision of bikeways during project review and street improvement process.		λ	λ	Planning, Engineering and Development Departments	FBA, Subdivision Agreement	Proposal 7
Require provision of a trail system during the review process in Carroll Canyon and on Lopez Ridge.		λ	λ	Planning Department	Private	Proposal 8

\* Public Facilities Financing Plan and Facilities Benefit Assessment

**Table 8-1: Proposed Bicycle Network Cost Estimates**

Facility Type	Unit Cost*	Miles of Unbuilt Proposed	Total Cost Estimate per Facility Type
Class I – Bike Path	\$2,640,000	94.1	\$248,490,000
Class II – Bike Lane	\$30,000	99.3	\$2,980,000
Class II– Bike Lane w/ Issues	\$273,000	41.3	\$11,275,000
Class III – Bike Route	\$14,800	171.2	\$2,535,000
Class II or III (TBD)	\$273,000	143.4	\$32,154,000
Bicycle Boulevard	\$124,000	39.4	\$4,881,000
Cycle Track	\$451,200	6.6	\$2,983,000
<b>Total</b>		<b>595.3</b>	<b>\$312,298,000</b>

Source: Alta Planning + Design, April 2011

Note: \* Unit costs were developed by averaging the costs by facility type associated with the high priority projects.

### 8.3 High Priority Project Cost Estimates

Table 8-3 displays cost estimates for the high priority Bicycle Projects. As shown, the total cost for implementation of these projects would be approximately \$35 million. The following high priority Project Sheets provide a project description, related issues, and the cost estimate for each of the high priority Bicycle Projects. Appendix G provides the cost details of the high priority projects. Appendix H presents the extended list of the high-priority projects, which were prioritized in the top 1/3 of all proposed projects.

Regarding implementation of the high priority projects, the list of projects is not intended to be implemented in sequential order from 1 to 40. Implementation for all projects identified in the Plan will be affected by such factors as funding availability, project complexity, project completion times and public input. The designated community planning groups are expected to provide input regarding routes within their respective communities for implementation. The Capital Improvement Program (CIP) prioritization policy (Council Policy 800-14) may also affect the order in which the high priority projects are implemented.

It should also be noted that high priority projects may be grouped together to create small bikeway sub-systems within communities and neighborhoods in the city. Grouping of projects is recommended for funding purposes and for completing the proposed bikeway network in a particular neighborhood. As part of the high priority project grouping, it is also recommended that complementary bicycle facilities and systems, such as bicycle parking, bicycle sharing systems, and bicycle maps, be considered.

**Table 8-2: High Priority Project Cost Estimates**

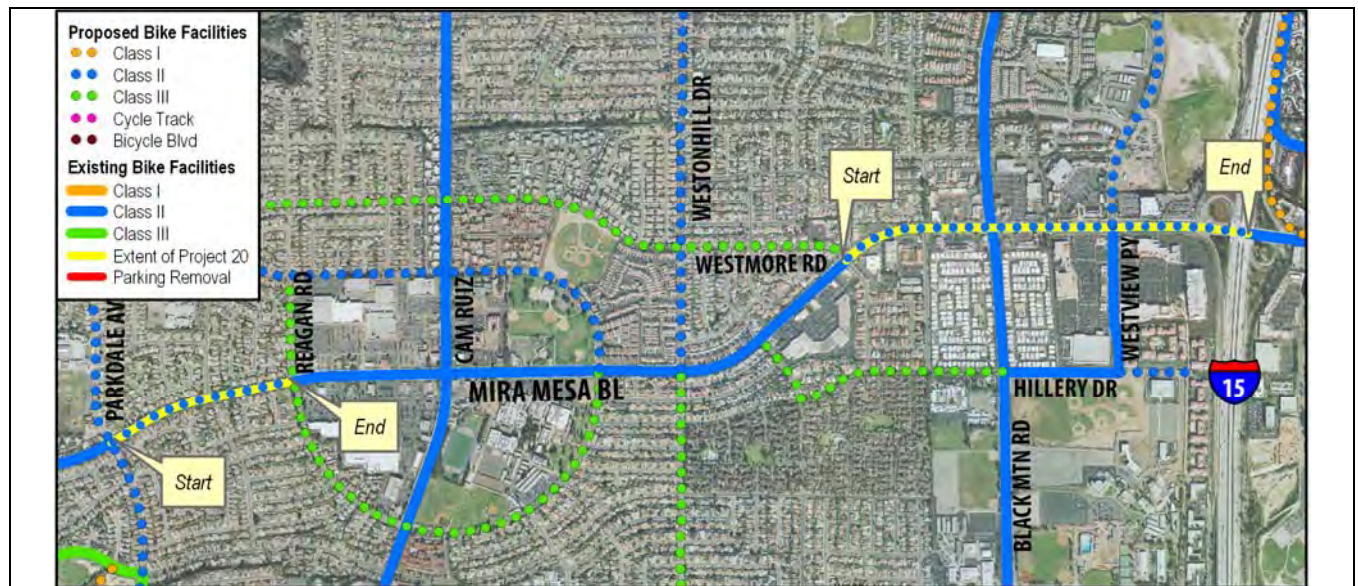
ID	Project Description	Cost
1	Pacific Highway and Barnett Avenue	N/A
2	Broadway: Park Boulevard to 19 <sup>th</sup> Street	\$43,682
3	West Ash Street: North Harbor Dr to Kettner Blvd; Ash Street: 3 <sup>rd</sup> Av to 8 <sup>th</sup> Av; and A Street: India St to 8 <sup>th</sup> Av	\$38,163
4	4 <sup>th</sup> Avenue: Washington Street to Juniper Street; and 5 <sup>th</sup> Avenue: Washington Street to Elm Street	\$ 334,688
5	Texas Street/ Qualcomm Way: Camino Del Rio N to Camino Del Rio S	\$3,417,851
6	Marina District to East Village – Along G Street, Market Street, and Island Avenue	\$104,508
7	Park Boulevard: Upas Street to Broadway	\$2,693,933
8	54 <sup>th</sup> Street: Montezuma Road to El Cajon Boulevard; and Collwood Boulevard: Monroe Avenue to 54 <sup>th</sup> Street	\$46,965
9	14 <sup>th</sup> Street: C St to Commercial St; National Avenue: Commercial St to Cesar E. Chavez Pkwy; and Cesar E. Chavez Parkway: National Av to Harbor Dr	\$91,411
10	El Cajon Boulevard: 43rd Street to Montezuma Road	\$476,772
11	El Cajon Boulevard: Utah Street to 43rd Street; and 43rd Street: Meade Avenue to El Cajon Boulevard	\$482,790
12	4 <sup>th</sup> Avenue: B Street to Island Avenue; and 5 <sup>th</sup> Avenue: Elm Street to Harbor Drive	\$59,182
13	Mission Boulevard: Turquoise Street to Grand Avenue	\$210,851
14	India Street: Washington Street to Olive Street	\$195,051
15	Morena Boulevard: W. Morena Boulevard to Taylor Street, and Taylor Street: Morena Boulevard to Pacific Highway	\$957,755
16	Mission Bay Drive: Grand Avenue to North Mission Bay Drive via Onramp to Southbound Interstate 5	\$218,999
17	Morena Boulevard: Gesner Street to Tecolote Road; West Morena Boulevard: Morena Boulevard to Linda Vista	\$516,843
18	State Street: Columbia Street to Market Street	\$37,576
19	Mission Valley San Diego River Bike Path and Fashion Valley Road: Friars Road to Hotel Circle South	\$3,780,799
20	Mira Mesa Boulevard: Parkdale Avenue to Reagan Road; and Mira Mesa Boulevard: Marbury Avenue to I-15	\$1,053,811
21	Bayshore Bikeway: Embarcadero Path to National City city limits	\$2,178,239
22	University Avenue: Utah Street to Fairmont Avenue	\$465,183
23	Fairmount Avenue and Montezuma Avenue intersection	\$349,081
24	Pacific Highway: Ocean Beach Bike Path to Sassafras St	\$5,890,372
25	University Avenue: Florida Street to Utah Street	\$152,705
26	8th Avenue: Date Street to J Street	\$83,147
27	University Avenue: Fairmont Avenue to La Mesa city limit	702,621
28	Robinson Avenue/Landis Street: 4 <sup>th</sup> Avenue to 30 <sup>th</sup> Street	\$720,883
29	Midway Drive: West Point Loma Boulevard to Barnett Avenue	\$4,104,796
30	Wightman Street: Swift Avenue to Fairmount Avenue	\$257,638

ID	Project Description	Cost
31	Hollister Street: Main Street to Outer Road and Outer Road: Hollister Street to Coronado Avenue	\$1,449,136
32	Mission Boulevard: Grand Avenue to West Mission Bay Drive	\$400,366
33	Upas Street: 28 <sup>th</sup> Street to 30 <sup>th</sup> Street; 30 <sup>th</sup> Street: Upas Street to B Street; and Fern Street: Juniper Street to Beech Street	\$109,366
34	Washington Street: University Avenue to Normal Street; Normal Street: Washington Street to Park Boulevard; and Park Boulevard: El Cajon Boulevard to Madison Avenue	\$1,254,908
35	Camino Del Rio N: Mission City Parkway to Interstate 15	\$93,090
36	25 <sup>th</sup> Street: Market Street to Commercial Street and Ocean View Boulevard: Commercial Street to 36 <sup>th</sup> Street	\$274,217
37	Villa La Jolla Drive: Gilman Drive (N) to Gilman Drive (S)	\$925,089
38	Nobel Drive: Interstate 5 to Regents Road	\$46,566
39	San Ysidro Boulevard: Dairy Mart Road to the southern terminus of San Ysidro Boulevard	\$402,822
40	Eastgate Mall: Olson Drive to Miramar Road	\$92,851
<b>Total High Priority Project Costs</b>		<b>\$34,714,706</b>

Source: City of San Diego Bicycle Master Plan Update 2013



## Project 20 – Mira Mesa Boulevard: Parkdale Avenue to Reagan Road; and Mira Mesa Boulevard: Marbury Avenue to I-15



### Project Description

This project serves bicycle demands between Mira Mesa and Scripps Miramar Ranch by providing Class II bicycle facilities along Mira Mesa Boulevard from Parkdale Avenue to Reagan Road and from Marbury Avenue to I-15. This high priority project is over a mile long and connects the residential and commercial communities of Mira Mesa and Scripps Ranch to major employment and shopping centers and to Mira Mesa High School. This project provides connections to local bus Routes 31, 921, and 964; express bus Routes 20 and 210; and premium express Routes 810, 820, 850, and 860.

In order to implement this project, it would be necessary to narrow the existing raised median between Parkdale Ave and Reagan Rd to 10 feet wide and eliminate the median nose at each intersection. For the segment between Marbury Ave and Interstate 15, it would be necessary to restripe the roadway to provide the necessary space for Class II bike facilities in each direction\*. Additionally, the City could coordinate with Caltrans/SANDAG to include bike improvements as part of the I-15/Mira Mesa Blvd interchange project. There are no anticipated parking impacts associated with this project.

Bicycling issues along this project corridor include high traffic speeds of 45 mph, high traffic volumes between 44,300 and 58,400 ADTs, a difficult freeway crossing at the I-15 southbound ramps, and fifteen reported bicycle crashes from 2002-2007.

This high priority project ranked 20<sup>th</sup> with an average weighted prioritization score of 29.0 points.

### Proposed Improvements

▪ Remove traffic striping to accommodate Class II bike facilities	\$60,600	▪ Roadside signage on post	\$2,000
▪ Remove asphalt pavement	\$11,070	▪ Install concrete curb and gutter	\$147,600
▪ Remove concrete sidewalk	\$11,070	▪ Class II and traffic striping	\$19,695
▪ Remove concrete curb	\$18,450	▪ Class II pavement markings	\$4,000
▪ Highway landscaping	\$200,000	▪ Bicycle loop detector	\$4,800
▪ Install asphalt pavement	\$59,040	▪ Other construction related costs	\$515,486

### Cost

**\$1,053,811**

\* No loss of travel lanes along this segment.

# Transportation Projects, Costs, and Phasing

This appendix includes information for both the Revenue Constrained Plan and Unconstrained (i.e., illustrative) list of projects. Detailed transit, managed lanes and highway, goods movement, and active transportation project listings, cost estimates, and phasing are included for the Revenue Constrained Plan. For the Unconstrained Transportation scenario, detailed descriptions and cost estimates are provided for the same types of projects.

## Revenue Constrained Projects

Table A.1 lists the capital improvements in the 2050 Revenue Constrained Plan in 2014 and year of expenditure (YOE) dollars. Table A.2 lists these revenue constrained projects by phase and Table A.3 includes the phased Revenue Constrained arterial projects. Table A.4 shows Revenue Constrained Freight and Goods Movement projects. Figures A.1 through A.9 depict the Revenue Constrained 2020, 2035, and 2050 transit, highway, and active transportation improvements (Regional Bike Network), respectively. Figure A.10 shows the Planned California High-Speed Train Overview. Figure A.11 shows the high frequency local bus routes by 2020 and 2035. Figures A.12, A.13, and A.14 show the 2012 Transit System, Managed Lanes and Highway Network, and Bike Network, respectively. Figure A.15 shows the Regional Arterial System. The California Coastal Trail and County of San Diego Community Trails are shown in Figure A.16.

## Unconstrained Projects

Table A.5 lists the major capital improvements included in the Revenue Constrained and the Unconstrained Network which also are shown in Figures A.17, A.18, and A.19. Additionally, Figure A.20 illustrates the Unconstrained Goods Movement Strategy.

## No Build Projects

Table A.6 lists the projects included in the No Build Scenario.

**Table A.1 (continued)**  
**Revenue Constrained Projects**

*Transit Facilities (continued)*

<i>TransNet</i>	<i>Service</i>	<i>Route</i>	<i>Description</i>	<i>Capital Cost (\$2014); millions</i>	<i>Capital Cost (\$YOE); millions</i>
	<i>Rapid</i>	41	Fashion Valley to UTC/UC San Diego via Linda Vista and Clairemont	\$55	\$96
	<i>Rapid</i>	90	El Cajon Transit Center to San Diego International Airport ITC via SR 94, City College (peak only)	\$20	\$27
	<i>Rapid</i>	103	Solana Beach to Sabre Springs <i>Rapid</i> station via Carmel Valley	\$67	\$135
	<i>Rapid</i>	120	Kearny Mesa to Downtown San Diego via Mission Valley	\$78	\$104
<i>TransNet</i>	<i>Rapid</i>	225	South Bay <i>Rapid</i> (Otay Mesa to Downtown San Diego) and Otay Mesa ITC (formerly Route 628)	\$206	\$206
	<b><i>Rapid</i></b>	<b>235</b>	<b>Temecula (peak only) Extension of Escondido to Downtown San Diego <i>Rapid</i> (formerly Route 610)</b>	<b>\$98</b>	<b>\$198</b>
	<i>Rapid</i>	440	Carlsbad to Escondido Transit Center via Palomar Airport Rd	\$51	\$104
	<i>Rapid</i>	471	Downtown Escondido to East Escondido	\$32	\$80
	<i>Rapid</i>	473	UTC/UC San Diego to Oceanside via Hwy 101 Coastal Communities, Carmel Valley	\$130	\$242
	<i>Rapid</i>	474	Oceanside to Vista via Mission Ave/Santa Fe Rd Corridor	\$50	\$127
	<i>Rapid</i>	477	Camp Pendleton to Carlsbad Village via College Blvd, Plaza Camino Real	\$80	\$161
	<i>Rapid</i>	550	SDSU to Palomar Station via East San Diego, Southeast San Diego, National City	\$59	\$78
	<i>Rapid</i>	635	Eastlake to Palomar Trolley via Main St Corridor	\$56	\$98
	<i>Rapid</i>	636	SDSU to Spring Valley via East San Diego, Lemon Grove, Skyline	\$39	\$79
	<i>Rapid</i>	637	North Park to 32nd St Trolley via Golden Hill	\$33	\$66
	<i>Rapid</i>	638	Iris Trolley to Otay Mesa via Otay, Airway Dr, SR 905 Corridor	\$38	\$67
	<i>Rapid</i>	640A/ 640B	Route 640A: I-5 - San Ysidro to Old Town Transit Center via City College Route 640B: I-5 Iris Trolley/Palomar to Kearny Mesa via Chula Vista, National City and City College	\$153	\$206
	<i>Rapid</i>	650	Chula Vista to Palomar Airport Rd Business Park via I-805/I-5 (peak only)	\$82	\$166
	<i>Rapid</i>	653	Mid-City to Palomar Airport Rd via Kearny Mesa/I-805/I-5	\$10	\$21

**Table A.1 (continued)**  
**Revenue Constrained Projects**

*Managed Lanes/Toll Lanes Projects (continued)*

<i>TransNet</i>	Freeway	From	To	Existing	With Improvements	Transit Route	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
<i>TransNet</i>	I-805	SR 54	SR 94	8F+2ML	8F+4ML	225, 650, 688, 689	\$704	\$1,096
<i>TransNet</i>	I-805	SR 94	Carroll Canyon Rd	8F	8F+4ML	30, 225, 650, 653, 688, 689, 690, 870, 890	\$2,585	\$4,441
<b>Subtotal</b>							<b>\$16,231</b>	<b>\$29,699</b>

*Highway Projects*

<i>TransNet</i>	Freeway	From	To	Existing	With Improvements	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
<i>TransNet</i>	I-8	2nd St	Los Coches	4F/6F	6F	\$35	\$88
	SR 52	I-5	I-805	4F	6F	\$111	\$276
	SR 52	Mast Blvd	SR 125	4F	6F	\$76	\$131
<i>TransNet</i>	SR 56	I-5	I-15	4F	6F	\$141	\$351
<i>TransNet</i>	SR 67	Mapleview St	Dye Rd	2C/4C	4C	\$636	\$1,418
<i>TransNet</i>	SR 76	Mission	I-15	2C	4C	\$305	\$305
<i>TransNet</i>	SR 94	SR 125	Avocado Blvd	4F	6F	\$111	\$221
<i>TransNet</i>	SR 94	Avocado Blvd	Jamacha	4C	6C	\$91	\$225
<i>TransNet</i>	SR 94	Jamacha	Steele Canyon Rd	2C/4C	4C	\$40	\$100
	SR 125	SR 905	San Miguel Rd	4T	8F	\$323	\$661
	SR 125	San Miguel Rd	SR 54	4F	8F	\$177	\$438
Subtotal						\$2,046	\$4,214

*Operational Improvements*

<i>TransNet</i>	Freeway	From	To	Existing	With Improvements	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
<i>TransNet</i>	I-5	SR 15	I-8	8F	8F+Operational	\$1,177	\$2,919
	I-8	I-5	SR 125	8F/10F	8F/10F+Operational	\$667	\$1,654
	I-8	SR 125	2nd St	6F/8F	6F/8F+Operational	\$167	\$413

**Table A.1 (continued)**  
**Revenue Constrained Projects**

*Operational Improvements*

<i>TransNet</i>	Freeway	From	To	Existing	With Improvements	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
	SR 76	I-15	Couser Canyon	2C/4C	4C/6C+Operational	\$131	\$261
<b>Subtotal</b>						<b>\$2,142</b>	<b>\$5,247</b>

*Managed Lanes Connectors*

<i>TransNet</i>	Freeway	Intersecting Freeway	Movement	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
<b>TransNet</b>	<b>I-5</b>	<b>I-805</b>	<b>North to North and South to South</b>	<b>\$51</b>	<b>\$66</b>
	I-5	SR 78	South to East and West to North, North to East and West to South	\$253	\$332
<i>TransNet</i>	SR 15	SR 94	South to West and East to North	\$71	\$122
	SR 15	I-805	North to North and South to South	\$81	\$106
	I-15	SR 52	West to North and South to East	\$130	\$326
<i>TransNet</i>	I-15	SR 78	East to South and North to West	\$106	\$139
	I-805	SR 94	North to West and East to South	\$101	\$133
	I-805	SR 52	West to North and South to East	\$91	\$181
<b>Subtotal</b>				<b>\$884</b>	<b>\$1,405</b>

*Freeway Connectors*

<i>TransNet</i>	Freeway	Intersecting Freeway	Movement	Capital Cost (\$2014); millions	Capital Cost (\$YOE); millions
<i>TransNet</i>	I-5	SR 56	West to North and South to East	\$273	\$411
<i>TransNet</i>	I-5	SR 78	South to East and West to South	\$273	\$358
	SR 11/ SR 905	SR 125	EB SR 905 and WB SR 11 to NB SR 125 and NB SR 905 to NB SR 125	\$26	\$28
	SR 11/ SR 905	SR 125	SB 125 to WB SR 905, SB SR 125 to EB SR 11, SB SR 125 to SB SR 905	\$74	\$90
	I-15	SR 56	North to West	\$101	\$265
<i>TransNet</i>	SR 94	SR 125	South to East	\$69	\$88
<i>TransNet</i>	SR 94	SR 125	West to North	\$81	\$122
<b>Subtotal</b>				<b>\$897</b>	<b>\$1,362</b>

**Table A.1 (continued)**  
**Revenue Constrained Projects**

*Active Transportation Projects (continued)*

Project	Jurisdiction(s)	Capital Cost (\$2014) millions	Capital Cost (\$YOE) millions
Ocean Beach to Mission Bay	San Diego	\$24.0	\$43.0
San Diego River Trail - Bridge connection (Sefton Field to Mission Valley YMCA)	San Diego	\$7.0	\$12.5
San Diego River Trail - Mast Park to Lakeside baseball park	Santee	\$10.0	\$17.9
I-8 Flyover - Camino del Rio S to Camino del Rio N	San Diego	\$10.0	\$17.9
Coastal Rail Trail Oceanside - Broadway to Eaton	Oceanside	\$0.4	\$0.7
El Cajon - Santee connections	El Cajon/La Mesa/Santee	\$12.0	\$21.5
San Diego River Trail - Father Junipero Serra Trail to West Hills Pkwy	San Diego	\$3.0	\$5.4
Inland Rail Trail Oceanside	Oceanside	\$19.0	\$34.0
Coastal Rail Trail Carlsbad - Reach 3 Tamarack to Cannon	Carlsbad	\$5.0	\$8.9
Clairemont Dr (Mission Bay to Burgener)	San Diego	\$8.0	\$14.3
Harbor Dr (Downtown to Ocean Beach)	San Diego	\$7.0	\$12.5
<b>Mira Mesa Bike Blvd</b>	<b>San Diego</b>	<b>\$4.0</b>	<b>\$7.2</b>
Sweetwater River Bikeway Ramps	National City	\$9.0	\$16.1
Coastal Rail Trail Oceanside - Alta Loma Marsh bridge	Oceanside	\$5.0	\$8.9
Coastal Rail Trail San Diego - Mission Bay (Clairemont to Tecolote)	San Diego	\$3.0	\$5.4
Bayshore Bikeway Coronado - Golf course adjacent	Coronado	\$3.0	\$5.4
San Luis Rey River Trail	Oceanside, Unincorporated	\$37.0	\$100.2
Encinitas-San Marcos Corridor – Double Peak Dr to San Marcos Blvd	San Marcos	\$12.0	\$32.5
Escondido Creek Bikeway – Quince St to Broadway	Escondido	\$2.0	\$5.4
Escondido Creek Bikeway – Escondido Creek to Washington Ave	Escondido	\$1.0	\$2.7
Escondido Creek Bikeway – 9th Ave to Escondido Creek	Escondido	\$1.0	\$2.7
Escondido Creek Bikeway – El Norte Pkwy to northern bikeway terminus	Escondido	\$6.0	\$16.2
Encinitas to San Marcos Corridor – Leucadia Blvd to El Camino Real	Carlsbad, Encinitas	\$2.0	\$5.4
I-15 Bikeway – Via Rancho Pkwy to Lost Oak Ln	Escondido	\$4.0	\$10.8
I-15 Bikeway – Rancho Bernardo Community Park to Lake Hodges Bridge	San Diego	\$3.0	\$8.1
I-15 Bikeway – Camino del Norte to Aguamiel Rd	San Diego	\$13.0	\$35.2

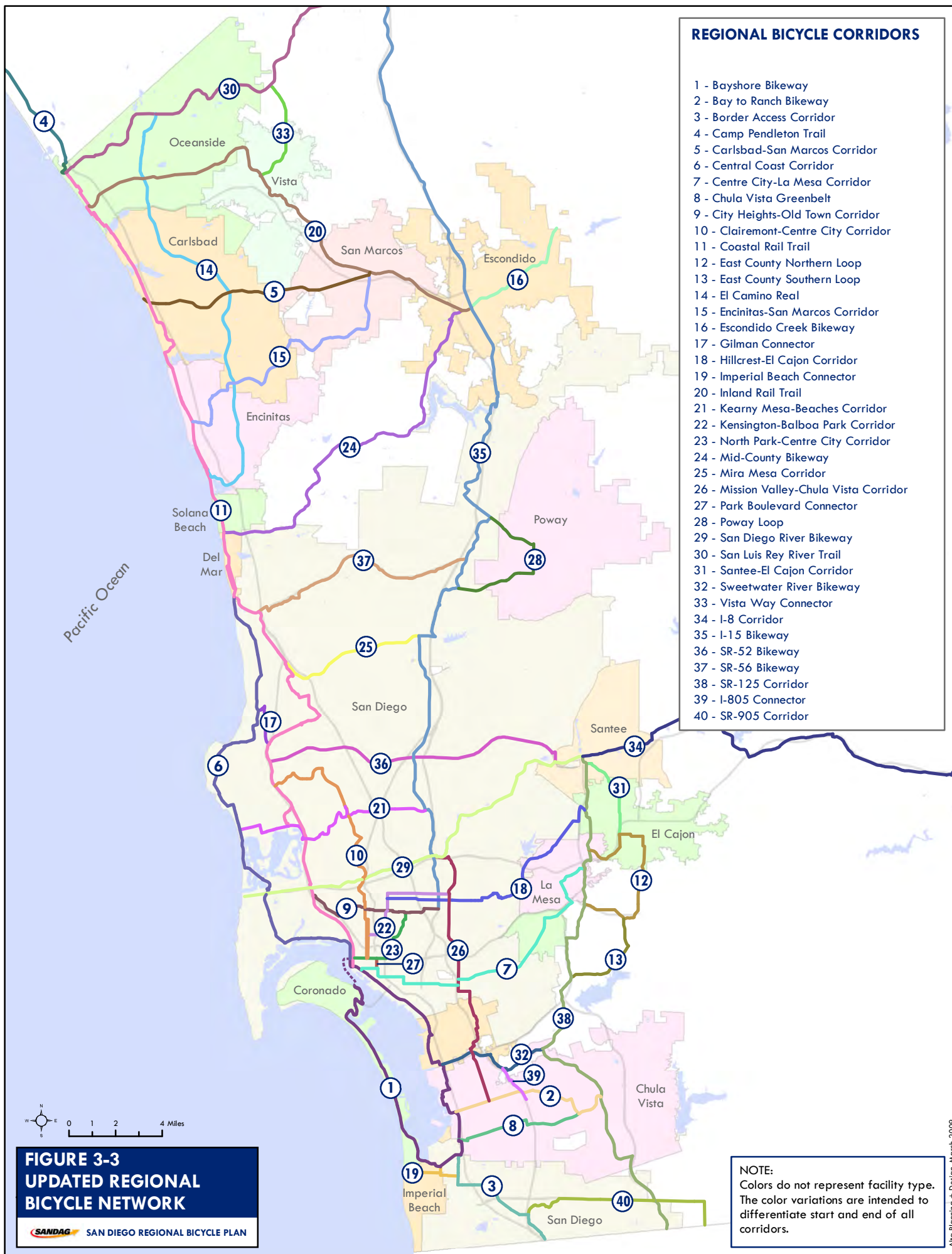


Table A.1 (continued)

## Revenue Constrained Projects

## Active Transportation Projects (continued)

Project	Jurisdiction(s)	Capital Cost (\$2014) millions	Capital Cost (\$YOE) millions
I-15 Bikeway – Poway Rd interchange to Carmel Mountain Rd	San Diego	\$17.0	\$46.0
SR 56 Bikeway – Azuaga St to Rancho Penasquitos Blvd	San Diego	\$2.0	\$5.4
I-15 Bikeway – Murphy Canyon Rd to Affinity Ct	San Diego	\$40.0	\$108.3
SR 56 Bikeway – El Camino Real to Caminito Pointe	San Diego	\$2.0	\$5.4
SR 52 Bikeway – I-5 to Santo Rd	San Diego	\$30.0	\$81.2
SR 52 Bikeway – SR 52/Mast Dr to San Diego River Trail	San Diego	\$2.0	\$5.4
I-8 Corridor – San Diego River Trail to Riverside Dr	Unincorporated	\$2.0	\$5.4
I-805 Connector – Bonita Rd to Floyd Ave	Chula Vista, Unincorporated	\$6.0	\$16.2
SR 125 Connector – Bonita Rd to U.S.-Mexico Border	Chula Vista, San Diego	\$39.0	\$105.6
SR 905 Connector – E Beyer Blvd to U.S.-Mexico Border	San Diego, Unincorporated	\$34.0	\$92.1
El Camino Real Bike Lanes – Douglas Dr to Mesa Dr	Oceanside	\$1.0	\$2.7
Vista Way Connector from Arcadia	Vista, Unincorporated	\$2.1	\$5.4
I-15 Bikeway – W Country Club Ln to Nutmeg St	Escondido	\$0.6	\$1.4
El Camino Real Bike Lanes – Marron Rd to SR 78 offramp	Carlsbad	\$0.3	\$0.5
Carlsbad to San Marcos Corridor – Paseo del Norte to Avenida Encinas	Carlsbad	\$0.4	\$0.8
Encinitas to San Marcos Corridor – Kristen Ct to Ecke Ranch Rd	Encinitas	\$0.4	\$0.8
Encinitas to San Marcos Corridor – Encinitas Blvd/I-5 Interchange	Encinitas	\$0.2	\$0.3
Mira Mesa Corridor – Reagan Rd to Parkdale Ave	San Diego	\$0.4	\$0.8
Mira Mesa Corridor – Scranton Rd to I-805	San Diego	\$0.4	\$0.8
Mira Mesa Corridor – Sorrento Valley Rd to Sorrento Valley Blvd	San Diego	\$0.8	\$1.9
Mid-County Bikeway – I-5/Via de la Valle Interchange	San Diego	\$0.3	\$0.5
Mid-County Bikeway – Rancho Santa Fe segment	San Diego, Unincorporated	\$3.0	\$8.1
El Camino Real Bike Lanes – Manchester Ave to Tennis Club Dr	Encinitas	\$0.5	\$1.1
Mid-County Bikeway – Manchester Ave/I-5 Interchange to San Elijo Ave	Encinitas	\$0.8	\$1.9
Central Coast Corridor – Van Nuys St to San Rafael Pl	San Diego	\$1.0	\$2.7
Clairemont – Centre-City Corridor – Coastal Rail Trail to Genesee Ave	San Diego	\$2.0	\$5.4
SR 125 Corridor – Mission Gorge Rd to Glen Vista Way	Santee	\$0.3	\$0.5
SR 125 Corridor – Prospect Ave to Weld Blvd	Santee, El Cajon	\$0.8	\$1.9
I-8 Corridor – Lakeside Ave to SR 67	Unincorporated	\$0.5	\$1.1
I-8 Corridor – Willows Rd to SR 79	Unincorporated	\$5.0	\$13.5
E County Northern Loop – N. Marshall Ave to El Cajon Blvd	El Cajon	\$0.3	\$0.8



Submit Query



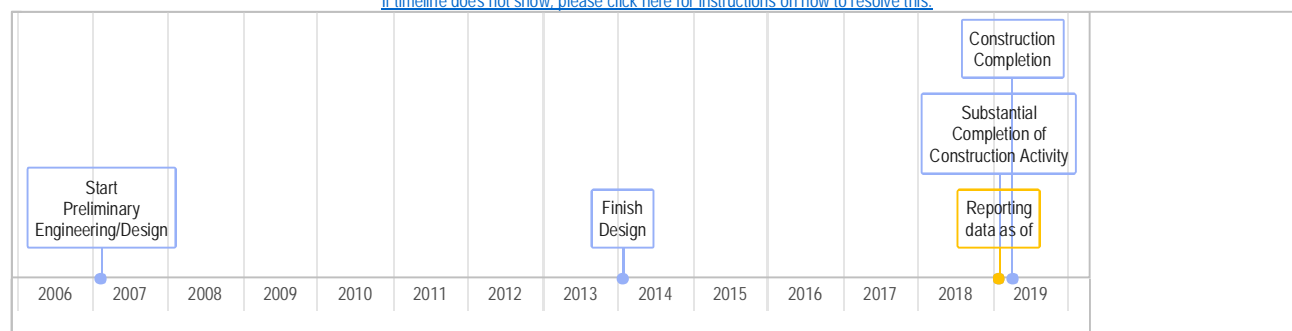
## Project Information Details FY07 T/S Modify/Modernize Group 4

### General Information

<b>Project Identification Number:</b>	B00902 (Transportation Asset)
<b>Project Description:</b>	This project is left with one traffic signal modification at Aero Drive and Convoy Street to take to bid and construction
<b>Contact Person:</b>	Romaya, Nibras
<b>Council District(s):</b>	3, 6, 7
<b>Community Area(s):</b>	Kearny Mesa, Downtown

### Estimated Project Schedule<sup>(1)</sup>

[If timeline does not show, please click here for instructions on how to resolve this.](#)



### Estimated Project Dollar Amount<sup>(1)</sup>

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$402,731
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### Construction Activity

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	\$344,936
<b>B. Funding Status:<sup>(3)</sup></b>	Fully Funded
<b>C. Contractor:</b>	Select Electric, Inc.
<b>D. Expected Contract Duration:<sup>(1)</sup></b>	50 Months

### Additional Remarks

None

See B10021 for Transportation Asset

See B00906 for Transportation Asset

Form PWD1502

Updated As Of: 02/01/2019

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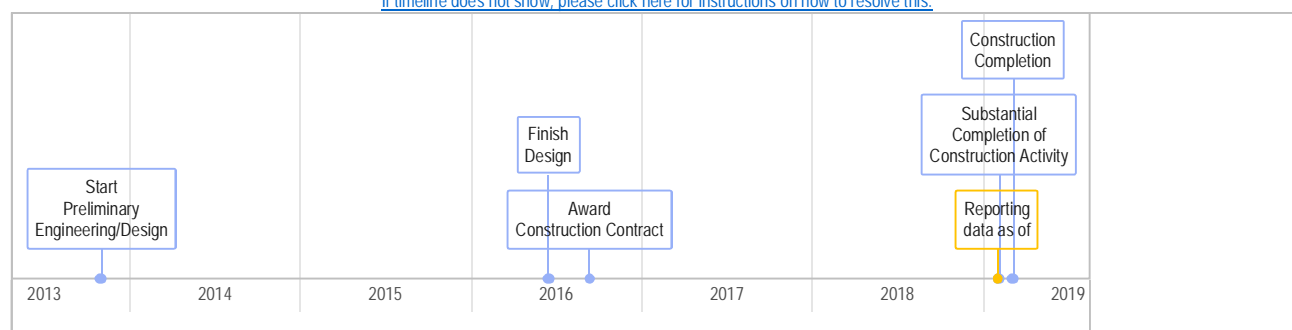
## Project Information Details New Streetlights - 19 Locations

### General Information

<b>Project Identification Number:</b>	B14012 (Transportation Asset)
<b>Project Description:</b>	this project will install street lighting to city standards to improve safety.
<b>Contact Person:</b>	Romaya, Nibras
<b>Council District(s):</b>	1, 2, 3, 4, 5, 6, 7, 8
<b>Community Area(s):</b>	Otay Mesa-Nestor, Mission Valley, Encanto Neighborhoods, Southeastern, Skyline-Paradise Hills, Mira Mesa, Uptown, Rancho Penasquitos, Linda Vista, Greater North Park, La Jolla, Navajo, Mid-City: Eastern Area, Mission Beach

### Estimated Project Schedule<sup>(1)</sup>

[If timeline does not show, please click here for instructions on how to resolve this.](#)



### Estimated Project Dollar Amount<sup>(1)</sup>

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$499,417
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### Construction Activity

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	\$377,584
<b>B. Funding Status: <sup>(3)</sup></b>	Fully Funded
<b>C. Contractor:</b>	HMS Construction, Inc.
<b>D. Expected Contract Duration: <sup>(1)</sup></b>	28 Months

### Additional Remarks

None

Form PWD1502

Updated As Of: 02/01/2019

Submit Query



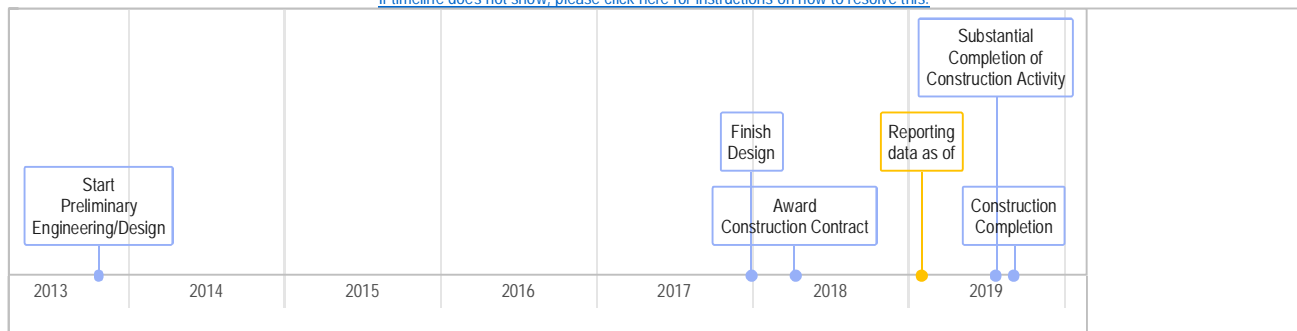
## Project Information Details Traffic Signal Upgrades Citywide FY14

### General Information

<b>Project Identification Number:</b>	B14048 (Transportation Asset)
<b>Project Description:</b>	Upgrade curb ramps and remove signal poles off medians, install pedestrian countdown timers, upgrade vehicle heads and install EVPE.
<b>Contact Person:</b>	Romaya, Nibras
<b>Council District(s):</b>	2, 3, 6, 7, 9
<b>Community Area(s):</b>	Mira Mesa, Greater North Park, Navajo, Pacific Beach, Clairemont Mesa, Mid-City:Eastern Area

### Estimated Project Schedule<sup>(1)</sup>

[If timeline does not show, please click here for instructions on how to resolve this.](#)



### Estimated Project Dollar Amount<sup>(1)</sup>

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$379,700
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### Construction Activity

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	\$222,500
<b>B. Funding Status: <sup>(3)</sup></b>	Fully Funded
<b>C. Contractor:</b>	HMS Construction, Inc.
<b>D. Expected Contract Duration: <sup>(1)</sup></b>	13 Months

### Additional Remarks

None

Form PWD1502

Updated As Of: 02/01/2019

Submit Query



## Project Information Details

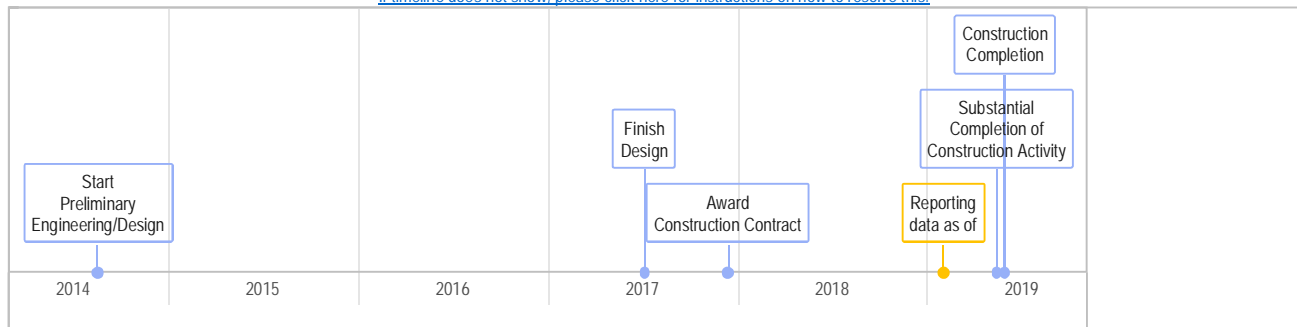
### Citywide Street Lights GF Group 15

#### General Information

<b>Project Identification Number:</b>	B15012 (Transportation Asset)
<b>Project Description:</b>	This project will install street lighting to City Standards to improve safety.
<b>Contact Person:</b>	Romaya, Nibras
<b>Council District(s):</b>	1, 2, 3, 4, 5, 6, 7, 8, 9
<b>Community Area(s):</b>	Southeastern San Diego, Southeastern, Otay Mesa-Nestor, San Ysidro, Mission Valley, Mid-City: City Heights, Encanto Neighborhoods, Southeastern, Uptown, Rancho Penasquitos, Kearny Mesa, Linda Vista, Mid-City: Kensington-Talmadge, Mid-City: Normal Heights, Greater North Park, Greater Golden Hill, La Jolla, Pacific Beach, College Area, Mid-City: Eastern Area, Peninsula, Ocean Beach

#### Estimated Project Schedule<sup>(1)</sup>

[If timeline does not show, please click here for instructions on how to resolve this.](#)



#### Estimated Project Dollar Amount<sup>(1)</sup>

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$1,420,000
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#### Construction Activity

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	\$976,722
<b>B. Funding Status: <sup>(3)</sup></b>	Fully Funded
<b>C. Contractor:</b>	CTE, Inc
<b>D. Expected Contract Duration: <sup>(1)</sup></b>	13 Months

#### Additional Remarks

None

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## Project Information Details

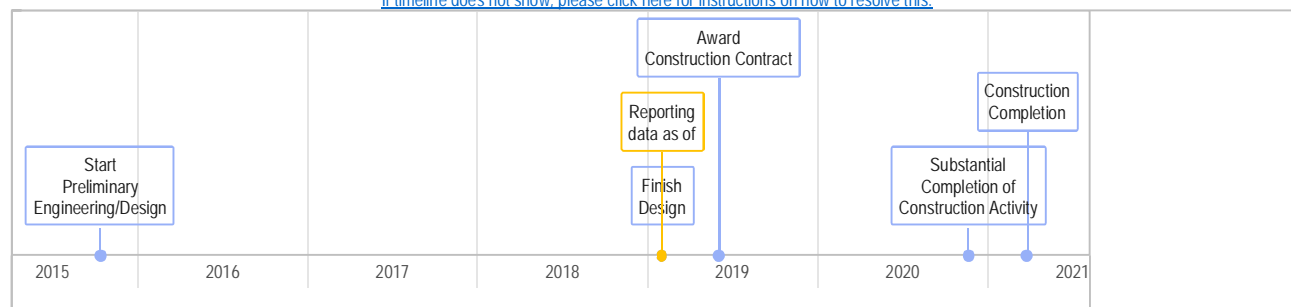
### Citywide Street Lights Group 1601

#### General Information

<b>Project Identification Number:</b>	B16007 (Transportation Asset)
<b>Project Description:</b>	Is to install New Street lights ti City standards to improve safety.
<b>Contact Person:</b>	Oasem, Labib
<b>Council District(s):</b>	1, 2, 3, 4, 6
<b>Community Area(s):</b>	Midway-Pacific Highway, Encanto Neighborhoods,Southeastern, Skyline-Paradise Hills, Mira Mesa, Uptown, Kearny Mesa, Mid-City:Normal Heights, Greater North Park, University, Pacific Beach, Clairemont Mesa, Mid-City:Eastern Area, Peninsula, Mission Beach, Ocean Beach

#### Estimated Project Schedule<sup>(1)</sup>

[If timeline does not show, please click here for instructions on how to resolve this.](#)



#### Estimated Project Dollar Amount<sup>(1)</sup>

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$500,000
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#### Construction Activity

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	\$363,620
<b>B. Funding Status:<sup>(3)</sup></b>	Fully Funded
<b>C. Contractor:</b>	To Be Selected
<b>D. Expected Contract Duration:<sup>(1)</sup></b>	20 Months

#### Additional Remarks

None

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## Project Information Details

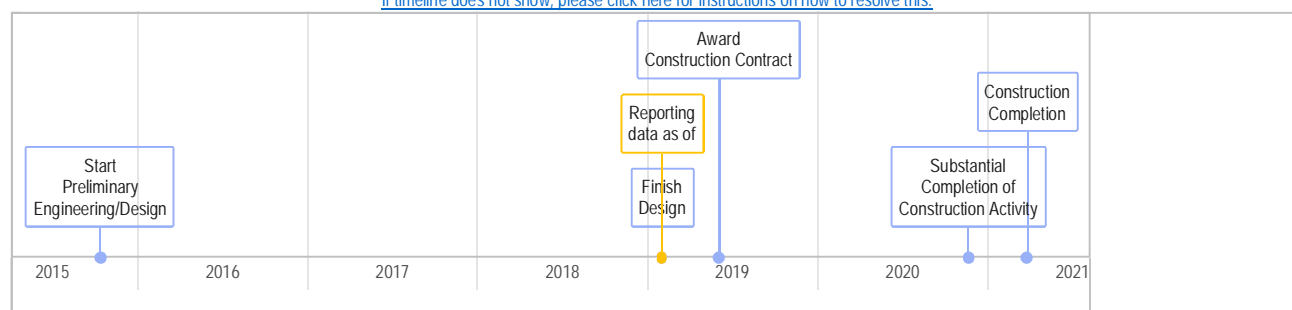
### Citywide Street Lights Group 1602

#### General Information

<b>Project Identification Number:</b>	B16008 (Transportation Asset)
<b>Project Description:</b>	Is to install New Street lights ti City standards to improve safety.
<b>Contact Person:</b>	Oasem, Labib
<b>Council District(s):</b>	6, 7, 8, 9
<b>Community Area(s):</b>	Southeastern San Diego,Southeastern, Otay Mesa-Nestor, Otay Mesa, Mission Valley, Mid-City:City Heights, Tierrasanta, Kearny Mesa, Navajo, College Area, Mid-City:Eastern Area

#### Estimated Project Schedule<sup>(1)</sup>

[If timeline does not show, please click here for instructions on how to resolve this.](#)



#### Estimated Project Dollar Amount<sup>(1)</sup>

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$500,000
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#### Construction Activity

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	\$363,620
<b>B. Funding Status:<sup>(3)</sup></b>	Fully Funded
<b>C. Contractor:</b>	To Be Selected
<b>D. Expected Contract Duration:<sup>(1)</sup></b>	20 Months

#### Additional Remarks

None

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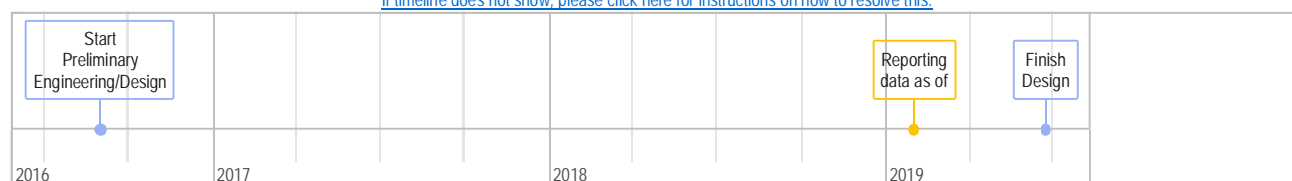
## Project Information Details Citywide Street Lights Group 1701

### General Information

<b>Project Identification Number:</b>	B17050 (Transportation Asset)
<b>Project Description:</b>	This project proposed to install street lights in various locations.
<b>Contact Person:</b>	Oasem, Labib
<b>Council District(s):</b>	1, 2, 3, 4, 6
<b>Community Area(s):</b>	Encanto Neighborhoods, Southeastern, Skyline-Paradise Hills, Mira Mesa, Kearny Mesa, Mid-City: Normal Heights, Greater North Park, University, Pacific Beach, Mission Beach

### Estimated Project Schedule<sup>(1)</sup>

[If timeline does not show, please click here for instructions on how to resolve this.](#)



### Estimated Project Dollar Amount<sup>(1)</sup>

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$700,600
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### Construction Activity

<b>A. Estimated Construction Contract Amount:<sup>(1)</sup></b>	\$419,500
<b>B. Funding Status:<sup>(3)</sup></b>	Partially Funded
<b>C. Contractor:</b>	To Be Selected
<b>D. Expected Contract Duration:<sup>(1)</sup></b>	Duration to be determined.

### Additional Remarks

None

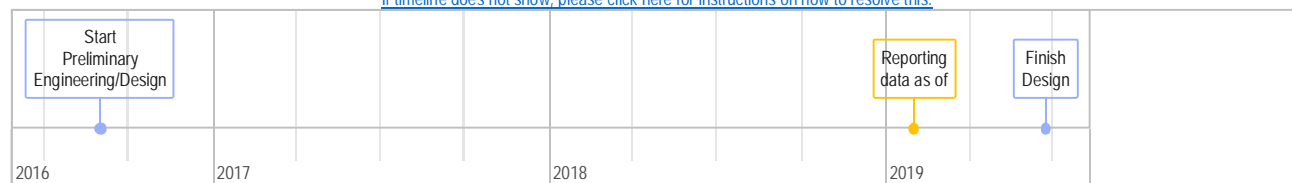
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**Project Information Details**  
**Citywide Street Lights Group 1702****General Information**

<b>Project Identification Number:</b>	B17051 (Transportation Asset)
<b>Project Description:</b>	This project proposed to install street lights in various locations.
<b>Contact Person:</b>	Oasem, Labib
<b>Council District(s):</b>	4, 6, 7, 8, 9
<b>Community Area(s):</b>	Southeastern San Diego, Southeastern, Mission Valley, Barrio Logan, Kearny Mesa, Linda Vista, College Area, Mid-City: Eastern Area

**Estimated Project Schedule<sup>(1)</sup>**[If timeline does not show, please click here for instructions on how to resolve this.](#)**Estimated Project Dollar Amount<sup>(1)</sup>**

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$731,500
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**Construction Activity**

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	\$441,200
<b>B. Funding Status: <sup>(3)</sup></b>	Partially Funded
<b>C. Contractor:</b>	To Be Selected
<b>D. Expected Contract Duration: <sup>(1)</sup></b>	Duration to be determined.

**Additional Remarks**

None

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**Project Information Details**  
**Street Reconstruction Group 1801**

### General Information

<b>Project Identification Number:</b>	B17188 (Transportation Asset)
<b>Project Description:</b>	This project will improve Gold Coast Dr from Thanksgiving Ln to Cam Ruiz and Park Dale Ave from Northrup to Mira Mesa Bl with the following: reconstruct existing street pavement and base material, install concrete slabs at bus stops, install/upgrade curb ramps and cross gutters, repair existing sidewalk, curb and gutter, relocate existing ped-push buttons, upgrade existing crosswalks with continental crosswalks, replace existing traffic striping and signal loop detectors.
<b>Contact Person:</b>	Diab, Joseph
<b>Council District(s):</b>	6
<b>Community Area(s):</b>	Mira Mesa

### Estimated Project Schedule<sup>(1)</sup>

Schedule to be determined.

### Estimated Project Dollar Amount<sup>(1)</sup>

<b>A. Total Project Cost:<sup>(1)</sup></b>	Costs to be determined.
---	-------------------------

### Construction Activity

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	To be determined
<b>B. Funding Status:<sup>(3)</sup></b>	Partially Funded
<b>C. Contractor:</b>	To be selected
<b>D. Expected Contract Duration:<sup>(1)</sup></b>	Duration to be determined.

### Additional Remarks

The project is in the preliminary engineering phase and therefore, project's estimates and schedules are preliminary and subject to change.

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**Project Information Details**  
**Sorrento Valley Road & Interstate 5 Inte****General Information**

<b>Project Identification Number:</b>	S00914 (Transportation Asset)
<b>Project Description:</b>	Interchange improvements
<b>Contact Person:</b>	Diab, Joseph
<b>Council District(s):</b>	1, 6
<b>Community Area(s):</b>	Mira Mesa, Torrey Pines

**Estimated Project Schedule<sup>(1)</sup>**[If timeline does not show, please click here for instructions on how to resolve this.](#)**Estimated Project Dollar Amount<sup>(1)</sup>**

<b>A. Total Project Cost:<sup>(1)</sup></b>	\$200,000,000
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**Construction Activity**

<b>A. Estimated Construction Contract Amount: <sup>(1)</sup></b>	\$110,000,000
<b>B. Funding Status: <sup>(3)</sup></b>	Partially Funded
<b>C. Contractor:</b>	To Be Selected
<b>D. Expected Contract Duration: <sup>(1)</sup></b>	Duration to be determined.

**Additional Remarks**

None

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