Appendix I: Peak Hour Intersection Turning Movement Count Worksheets

(1)

10

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Lytton Street
Weather: Sunny

File Name : SDCROLYAM
Site Code : 9102003
Start Date : 4/28/2009
Page No : 1

Groups Printed- Total Volume

	Rosecrans Street Southbound				Lytton Street Westbound				Rosecrans Street Northbound				Lytton Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:45 AM	22	298	64	384	163	61	5	229	1	191	21	213	62	54	3	119	945
Total	22	298	64	384	163	61	5	229	1	191	21	213	62	54	3	119	945
07:00 AM	25	334	78	437	151	94	4	249	2	160	38	200	51	55	12	118	1004
07:15 AM	35	363	54	452	145	71	9	225	0	263	62	325	100	80	3	183	1185
07:30 AM	36	262	32	330	147	60	20	227	0	231	74	305	84	61	2	147	1009
07:45 AM	38	327	37	402	135	70	27	232	1	247	85	333	101	88	6	195	1162
Total	134	1286	201	1621	578	295	60	933	3	901	259	1163	336	284	23	643	4360
08:00 AM	33	359	38	430	119	53	21	193	2	278	87	367	64	56	4	124	1114
08:15 AM	35	349	60	444	103	72	25	200	3	285	77	365	55	59	1	115	1124
08:30 AM	20	269	46	335	96	52	20	168	1	321	88	410	69	49	1	119	1032
Grand Total	244	2561	409	3214	1059	533	131	1723	10	1976	532	2518	586	502	32	1120	8575
Apprch %	7.6	79.7	12.7		61.5	30.9	7.6		0.4	78.5	21.1		52.3	44.8	2.9		
Total %	2.8	29.9	4.8	37.5	12.3	6.2	1.5	20.1	0.1	23	6.2	29.4	6.8	5.9	0.4	13.1	

	Rosecrans Street Southbound				Lytton Street Westbound				Rosecrans Street Northbound				Lytton Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	35	**363**	**54**	**452**	145	71	9	225	0	263	62	325	100	80	3	183	**1185**
07:30 AM	36	262	32	330	**147**	60	20	227	0	231	74	305	84	61	2	147	1009
07:45 AM	**38**	327	37	402	135	70	**27**	**232**	1	247	85	333	**101**	**88**	**6**	**195**	1162
08:00 AM	33	359	38	430	119	53	21	193	**2**	**278**	**87**	**367**	64	56	4	124	1114
Total Volume	142	1311	161	1614	546	254	77	877	3	1019	308	1330	349	285	15	649	4470
% App. Total	8.8	81.2	10		62.3	29	8.8		0.2	76.6	23.2		53.8	43.9	2.3		
PHF	.934	.903	.745	.893	.929	.894	.713	.945	.375	.916	.885	.906	.864	.810	.625	.832	.943

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File Name : SDCROLYAM
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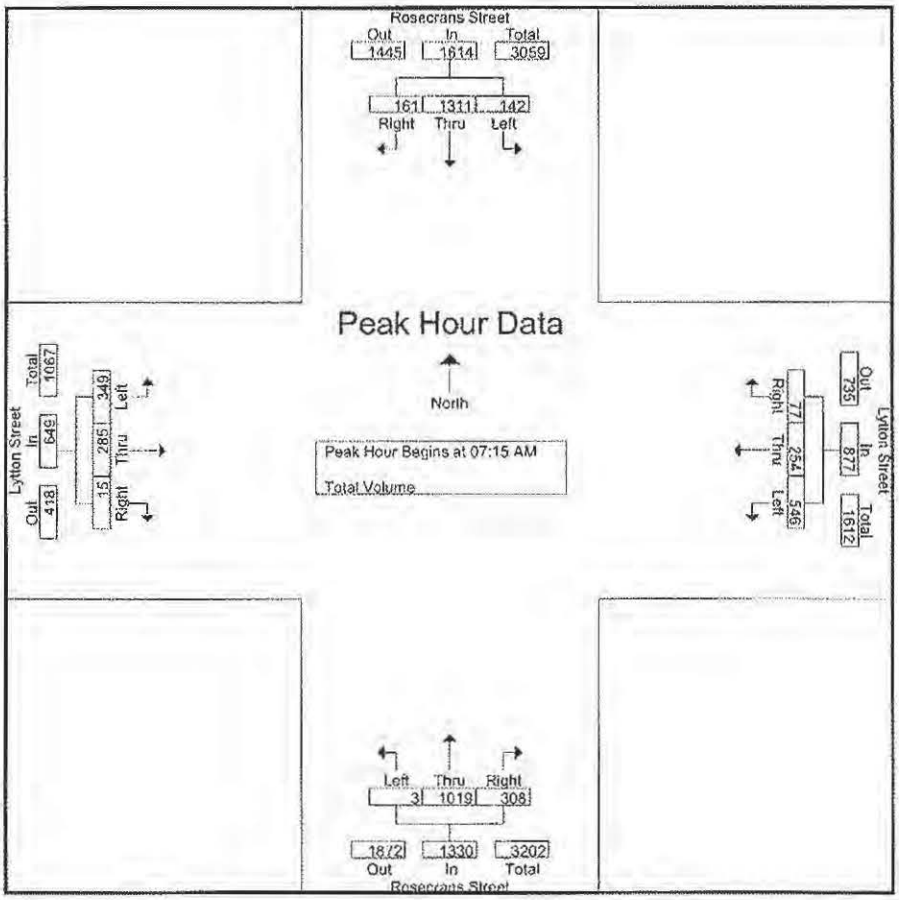
Start Date : 4/28/2009
Page No : 2



Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:45 AM				07:15 AM			
+0 mins.	25	334	78	437	151	94	4	249	1	247	85	333	100	80	3	183
+15 mins.	35	363	54	452	145	71	9	225	2	278	87	367	84	61	2	147
+30 mins.	36	262	32	330	147	60	20	227	3	285	77	365	101	88	6	195
+45 mins.	38	327	37	402	135	70	27	232	1	321	88	410	64	56	4	124
Total Volume	134	1286	201	1621	578	295	60	933	7	1131	337	1475	349	285	15	649
% App. Total	8.3	79.3	12.4		62	31.6	6.4		0.5	76.7	22.8		53.8	43.9	2.3	
PHF	.882	.886	.644	.897	.957	.785	.556	.937	.583	.881	.957	.899	.864	.810	.625	.832

Counts Unlimited Inc.
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951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Lytton Street
Weather: Sunny

File Name : SDCROLYPM
Site Code : 9102003
Start Date : 4/28/2009
Page No : 1

Groups Printed- Total Volume

	Rosecrans Street Southbound				Lytton Street Westbound				Rosecrans Street Northbound				Lytton Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	22	250	40	312	108	107	17	232	3	405	98	506	60	81	2	143	1193
04:15 PM	14	255	52	321	116	71	24	211	5	376	107	488	54	43	3	100	1120
04:30 PM	29	270	75	374	93	80	39	212	4	342	108	454	65	53	2	120	1160
04:45 PM	23	313	73	409	107	77	42	226	3	347	98	448	70	61	1	132	1215
Total	88	1088	240	1416	424	335	122	881	15	1470	411	1896	249	238	8	495	4688
05:00 PM	22	273	71	366	103	81	37	221	1	433	119	553	76	62	3	141	1281
05:15 PM	28	286	127	441	111	91	26	228	7	373	104	484	68	62	5	135	1288
05:30 PM	14	314	84	412	71	76	28	175	3	362	69	434	55	60	2	117	1138
05:45 PM	11	307	42	360	85	82	25	192	2	307	69	378	50	42	6	98	1028
Total	75	1180	324	1579	370	330	116	816	13	1475	361	1849	249	226	16	491	4735
Grand Total	163	2268	564	2995	794	665	238	1697	28	2945	772	3745	498	464	24	986	9423
Apprch %	5.4	75.7	18.8		46.8	39.2	14		0.7	78.6	20.6		50.5	47.1	2.4		
Total %	1.7	24.1	6	31.8	8.4	7.1	2.5	18	0.3	31.3	8.2	39.7	5.3	4.9	0.3	10.5	

	Rosecrans Street Southbound				Lytton Street Westbound				Rosecrans Street Northbound				Lytton Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	**29**	270	75	374	93	80	39	212	4	342	108	454	65	53	2	120	1160
04:45 PM	23	**313**	73	409	107	77	**42**	226	3	347	98	448	70	61	1	132	1215
05:00 PM	22	273	71	366	103	81	37	221	1	**433**	**119**	**553**	**76**	**62**	3	**141**	1281
05:15 PM	28	286	**127**	**441**	**111**	**91**	26	**228**	7	373	104	484	68	62	**5**	135	**1288**
Total Volume	102	1142	346	1590	414	329	144	887	15	1495	429	1939	279	238	11	528	4944
% App. Total	6.4	71.8	21.8		46.7	37.1	16.2		0.8	77.1	22.1		52.8	45.1	2.1		
PHF	.879	.912	.681	.901	.932	.904	.857	.973	.536	.863	.901	.877	.918	.960	.550	.936	.960

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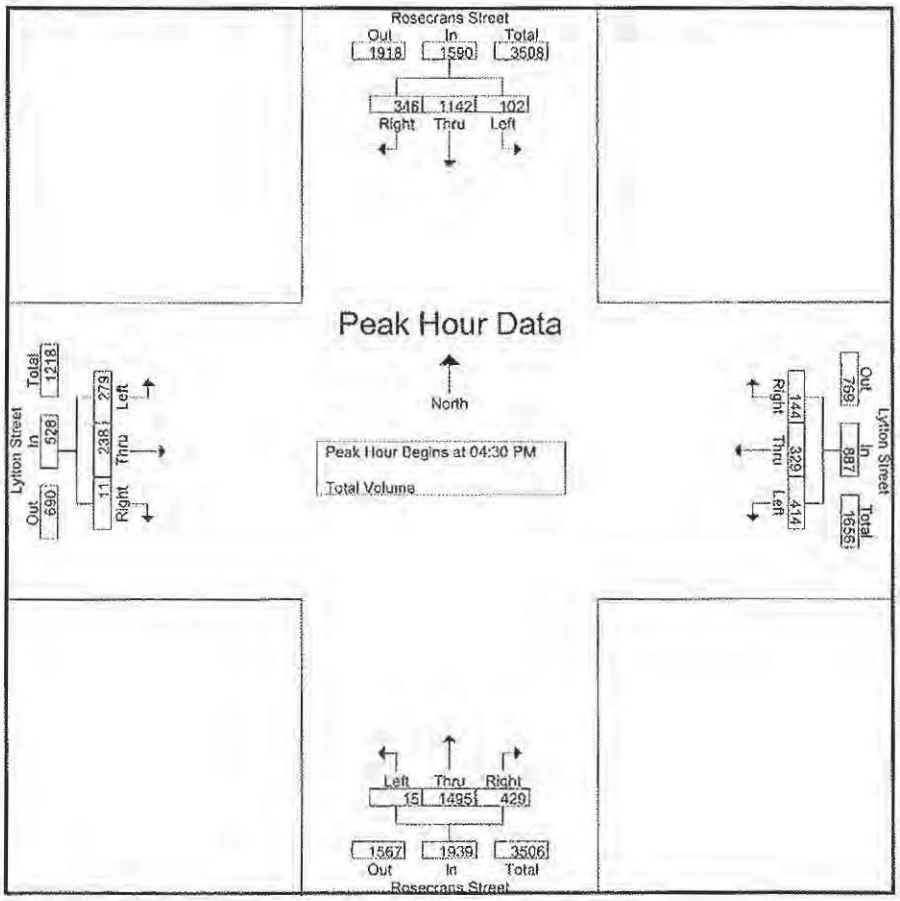


Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:45 PM				04:30 PM				04:15 PM				04:30 PM			
+0 mins.	23	313	73	409	93	80	39	212	5	376	107	488	65	53	2	120
+15 mins.	22	273	71	366	107	77	42	226	4	342	108	454	70	61	1	132
+30 mins.	28	286	127	441	103	81	37	221	3	347	98	448	76	62	3	141
+45 mins.	14	314	84	412	111	91	26	228	1	433	119	553	68	62	5	135
Total Volume	87	1186	355	1628	414	329	144	887	13	1498	432	1943	279	238	11	528
% App. Total	5.3	72.9	21.8		46.7	37.1	16.2		0.7	77.1	22.2		52.8	45.1	2.1	
PHF	.777	.944	.699	.923	.932	.904	.857	.973	.650	.865	.908	.878	.918	.960	.550	.936

(2A)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_001 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	W Mission Bay Dr			W Mission Bay Dr			I-8 WB Off-Ramp			I-8 WB Off-Ramp			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM		66								108		182	356
7:15 AM		59								91		196	346
7:30 AM		70								97		242	409
7:45 AM		73								124		289	486
8:00 AM		83								109		256	448
8:15 AM		80								122		267	469
8:30 AM		108								83		205	396
8:45 AM		97								86		215	398
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	636	0	0	0	0	0	0	0	820	0	1852	3308
APPROACH %'s :	0.00%	100.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	30.69%	0.00%	69.31%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	0	306	0	0	0	0	0	0	0	452	0	1054	1812
PEAK HR FACTOR :		0.922			0.000			0.000			0.912		0.932

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_001 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	W Mission Bay Dr			W Mission Bay Dr			I-8 WB Off-Ramp			I-8 WB Off-Ramp			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM		149								167		252	568
4:15 PM		150								176		297	623
4:30 PM		149								168		301	618
4:45 PM		144								157		363	664
5:00 PM		155								161		336	652
5:15 PM		141								180		445	766
5:30 PM		167								167		430	764
5:45 PM		140								181		374	695

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	1195	0	0	0	0	0	0	0	1357	0	2798	5350
APPROACH %'s :	0.00%	100.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	32.66%	0.00%	67.34%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	0	603	0	0	0	0	0	0	0	689	0	1585	2877
PEAK HR FACTOR :		0.903			0.000			0.000			0.910		0.939

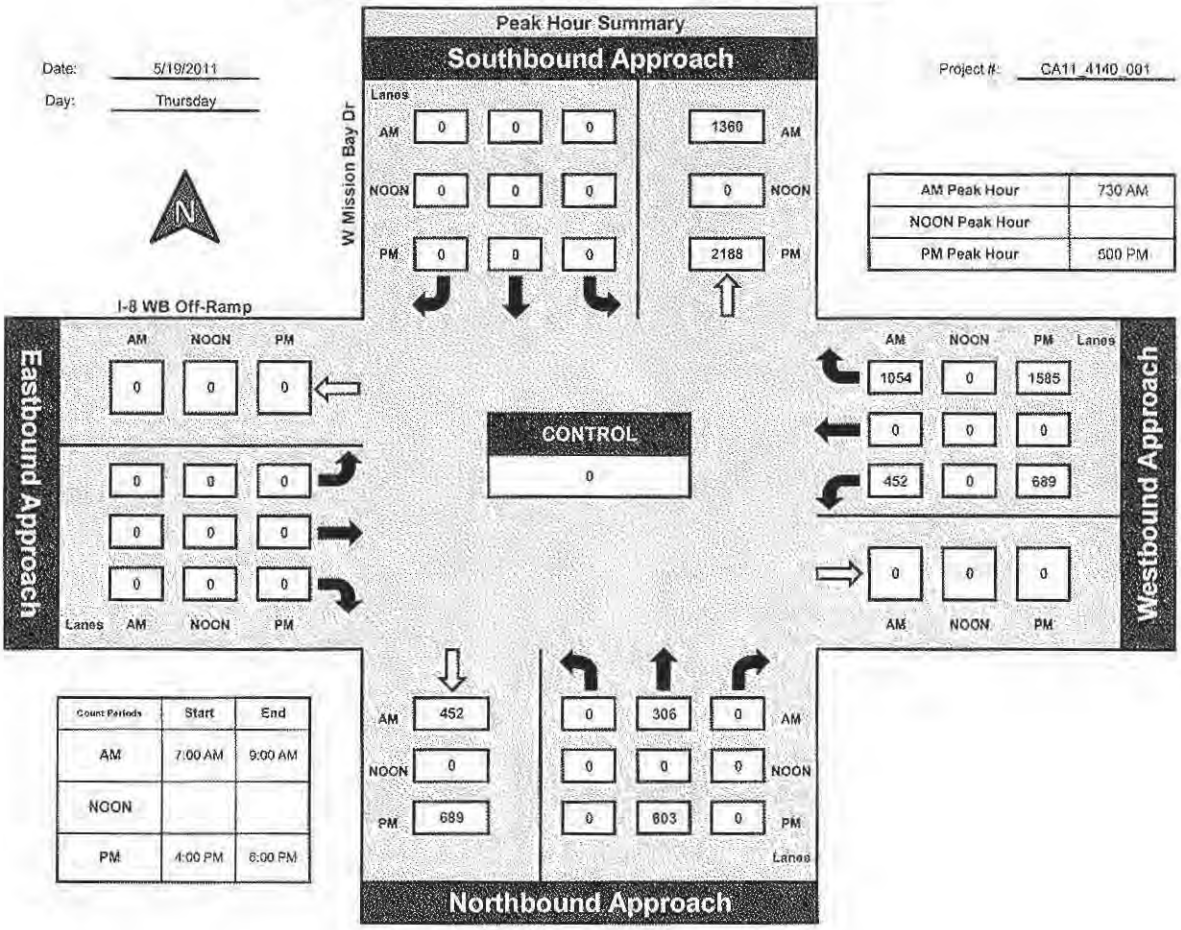
CONTROL :

ITM Peak Hour Summary

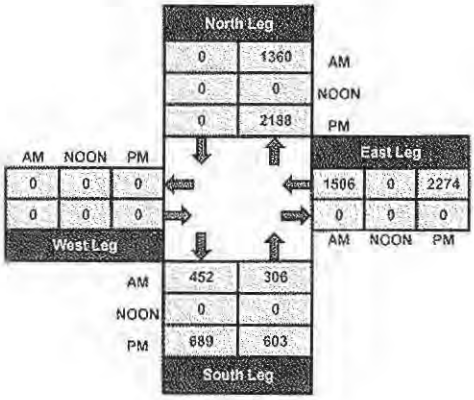
Prepared by:

National Data & Surveying Services

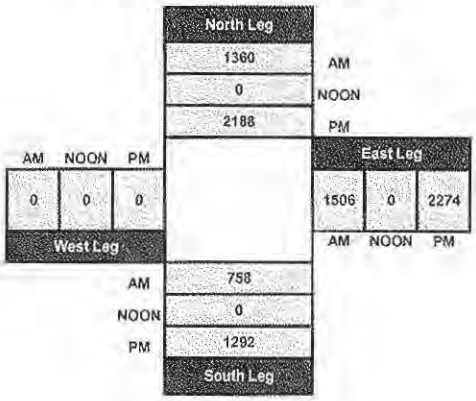
W Mission Bay Dr and I-8 WB Off-Ramp , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(28)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_002 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Sport Arena Blvd			Sport Arena Blvd			I-8 EB On-Ramp			I-8 EB On-Ramp			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0	57	130		154	6			2				349
7:15 AM	0	67	130		163	2			3				365
7:30 AM	2	63	167		199	3			2				436
7:45 AM	2	80	166		211	9			3				471
8:00 AM	7	76	131		218	4			4				440
8:15 AM	1	86	163		225	1			4				480
8:30 AM	6	103	158		205	7			4				483
8:45 AM	3	101	145		220	0			4				473
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	21	633	1190	0	1595	32	0	0	26	0	0	0	3497
APPROACH %'s :	1.14%	34.33%	64.53%	0.00%	98.03%	1.97%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	17	366	597	0	868	12	0	0	16	0	0	0	1876
PEAK HR FACTOR :		0.918			0.973			1.000			0.000		0.971

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_002 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Sport Arena Blvd			Sport Arena Blvd			I-8 EB On-Ramp			I-8 EB On-Ramp			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	6	152	187		252	9			6				612
4:15 PM	1	146	184		274	10			5				620
4:30 PM	7	154	174		280	16			4				635
4:45 PM	3	152	147		277	13			3				595
5:00 PM	5	147	174		310	15			5				656
5:15 PM	5	145	126		278	16			8				578
5:30 PM	3	164	154		314	10			0				645
5:45 PM	4	141	161		306	13			7				632
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	34	1201	1307	0	2291	102	0	0	38	0	0	0	4973
APPROACH %'s :	1.34%	47.25%	51.42%	0.00%	95.74%	4.26%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	17	597	615	0	1208	54	0	0	20	0	0	0	2511
PEAK HR FACTOR :		0.942			0.971			0.625			0.000		0.957

CONTROL :

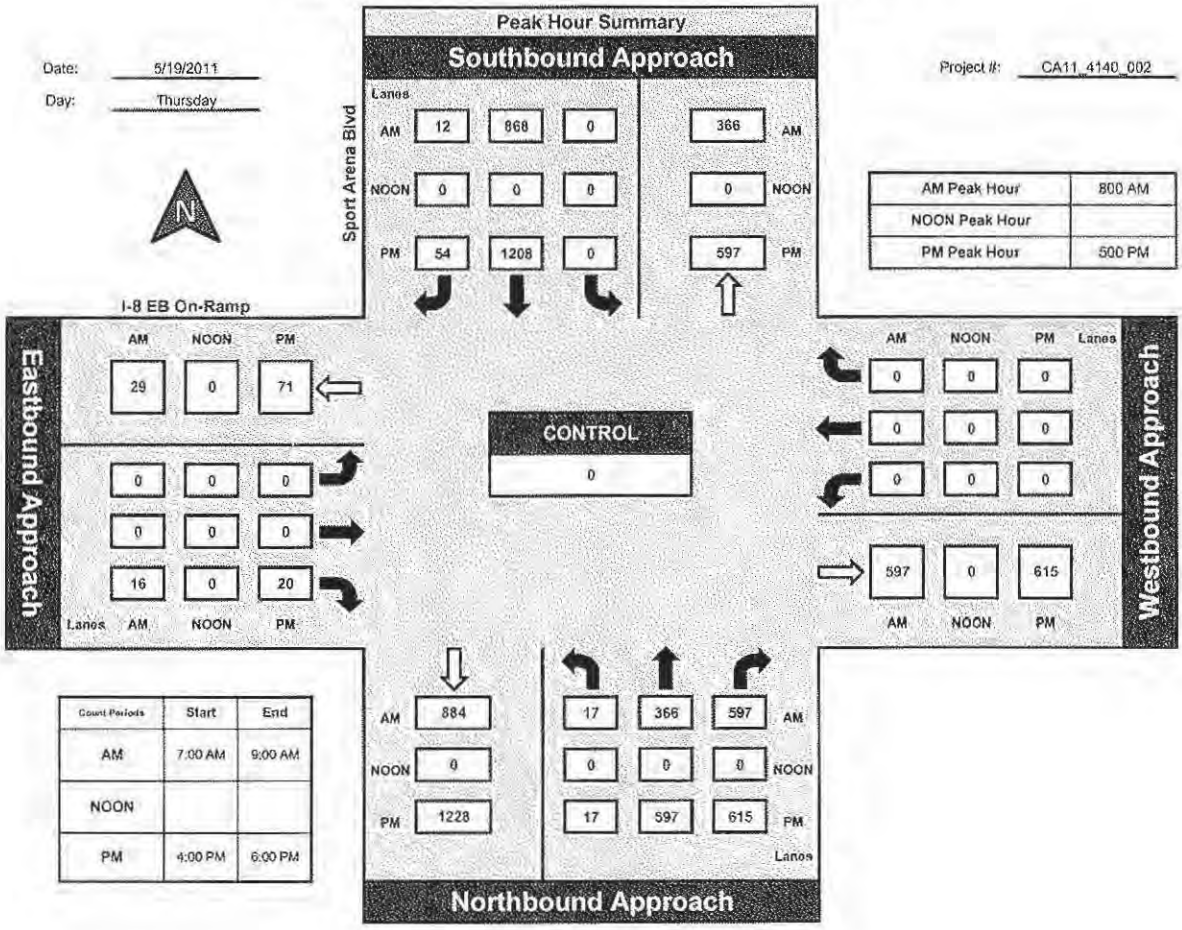
ITM Peak Hour Summary

Prepared by:

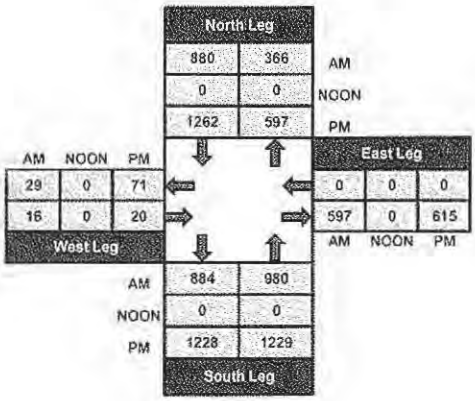
NDS

National Data & Surveying Services

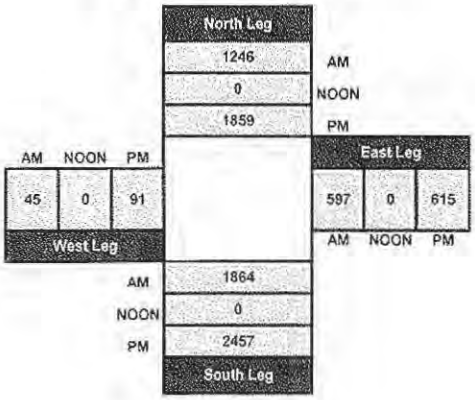
Sport Arena Blvd and I-8 EB On-Ramp , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(3)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4167_001 **Day:** THURSDAY

City: City of San Diego **Date:** 6/9/2011

AM

NS/EW Streets:	West Mission Bay Dr			West Mission Bay Dr			Channel Way			Channel Way			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	0	0	0	1	0	0	3	0	0	3	0	
7:00 AM						3		137			157	2	299
7:15 AM						6		178			220	0	404
7:30 AM						4		164			250	3	421
7:45 AM						5		217			216	3	441
8:00 AM						8		204			214	1	427
8:15 AM						8		231			245	3	487
8:30 AM						13		190			226	3	432
8:45 AM						7		200			184	5	396
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	54	0	1521	0	0	1712	20	3307
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	98.85%	1.15%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	0	0	0	0	0	34	0	842	0	0	901	10	1787
PEAK HR FACTOR :	0.000			0.654			0.911			0.918			0.917

CONTROL : 1-Way Stop (SB)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4167_001 **Day:** THURSDAY

City: City of San Diego **Date:** 6/9/2011

PM

NS/EW Streets:	West Mission Bay Dr			West Mission Bay Dr			Channel Way			Channel Way			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
LANES:	0	0	0	0	1	0	0	3	0	0	3	0	
4:00 PM						29		266			334	6	635
4:15 PM						21		321			283	10	635
4:30 PM						35		287			319	5	646
4:45 PM						26		291			308	4	629
5:00 PM						36		324			306	9	675
5:15 PM						39		348			308	7	702
5:30 PM						17		334			246	3	600
5:45 PM						16		306			300	10	632
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	219	0	2477	0	0	2404	54	5154
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	0.00%	100.00%	0.00%	100.00%	0.00%	0.00%	97.80%	2.20%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	0	0	0	0	0	136	0	1250	0	0	1241	25	2652
PEAK HR FACTOR :	0.000			0.872			0.898			0.977			0.944

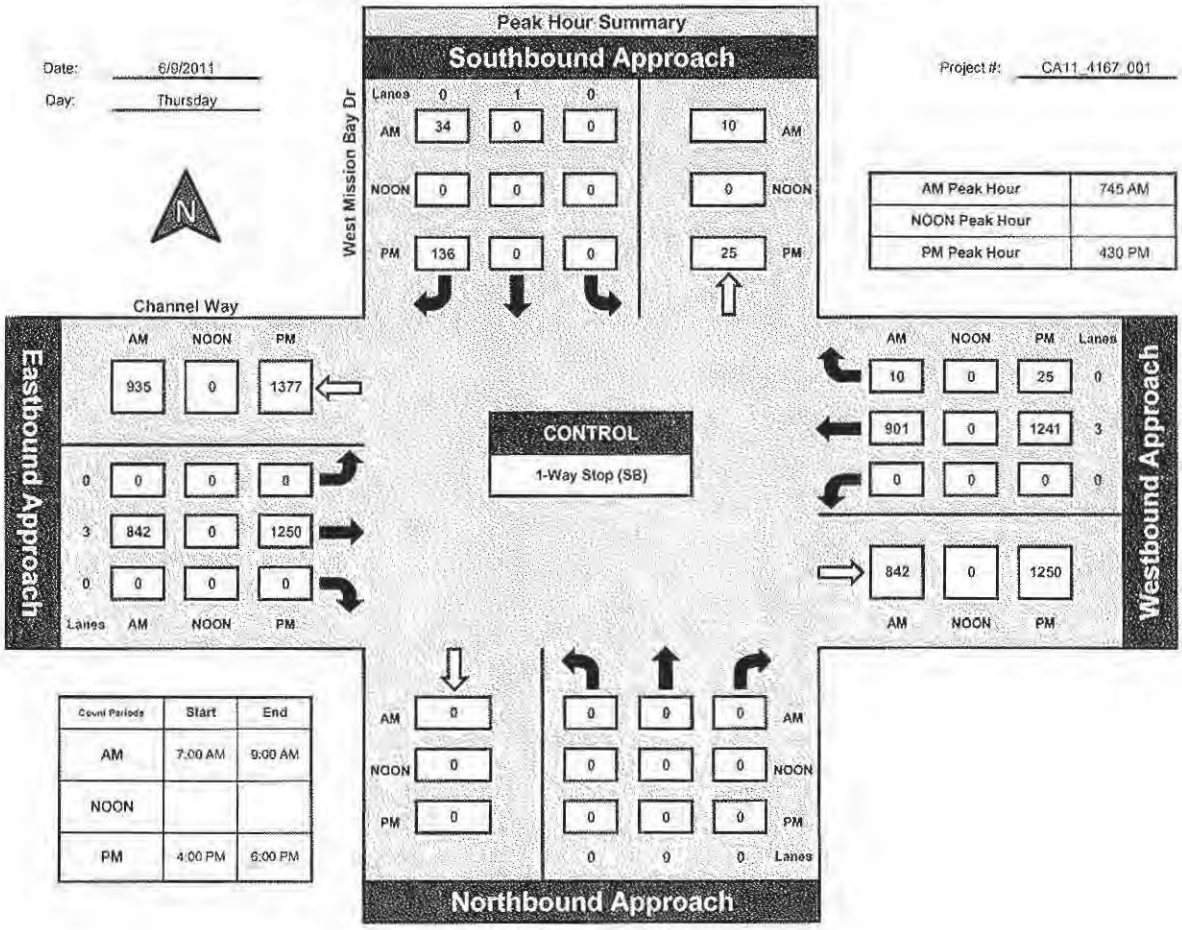
CONTROL : 1-Way Stop (SB)

ITM Peak Hour Summary

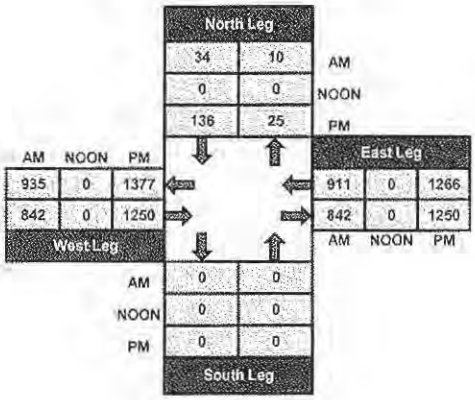
Prepared by:

National Data & Surveying Services

West Mission Bay Dr and Channel Way , City of San Diego



Total Ins & Outs



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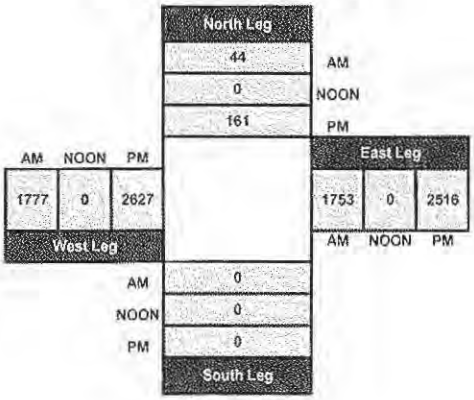


(4)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_003 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Midway Dr			Midway Dr			Sport Arena Blvd/W Point Loma Blvd			Sport Arena Blvd/W Point Loma Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	22	53	0	55	61	34	88	34	48	3	20	38	456
7:15 AM	29	62	1	61	81	49	135	50	57	2	20	45	592
7:30 AM	29	99	1	71	81	68	146	50	62	2	12	47	668
7:45 AM	29	67	2	79	97	54	121	73	62	3	23	47	657
8:00 AM	36	82	4	68	92	44	103	45	66	5	21	46	612
8:15 AM	25	70	8	79	118	36	98	42	51	3	36	52	618
8:30 AM	36	73	4	72	99	51	121	41	60	3	35	56	651
8:45 AM	52	102	3	79	119	40	90	49	67	5	33	69	708
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	258	608	23	564	748	376	902	384	473	26	200	400	4962
APPROACH %'s :	29.02%	68.39%	2.59%	33.41%	44.31%	22.27%	51.28%	21.83%	26.89%	4.15%	31.95%	63.90%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	149	327	19	298	428	171	412	177	244	16	125	223	2589
PEAK HR FACTOR :	0.788			0.942			0.938			0.850			0.914

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_003 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Midway Dr			Midway Dr			Sport Arena Blvd/W Point Loma Blvd			Sport Arena Blvd/W Point Loma Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	76	141	4	45	135	46	84	56	86	8	47	103	831
4:15 PM	90	140	2	61	142	54	73	54	76	10	62	97	861
4:30 PM	79	110	6	67	126	62	84	52	66	6	79	133	870
4:45 PM	73	107	4	65	136	52	85	60	59	7	74	98	820
5:00 PM	77	118	7	77	184	74	85	56	70	9	81	134	972
5:15 PM	94	114	3	62	113	65	92	46	75	11	88	104	867
5:30 PM	102	123	10	87	161	79	92	54	68	7	51	82	916
5:45 PM	86	81	10	86	136	76	81	50	74	12	83	90	865
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	677	934	46	550	1133	508	676	428	574	70	565	841	7002
APPROACH %'s :	40.86%	56.37%	2.78%	25.10%	51.71%	23.19%	40.29%	25.51%	34.21%	4.74%	38.28%	56.98%	
PEAK HR START TIME :	500 PM												TOTAL
PEAK HR VOL :	359	436	30	312	594	294	350	206	287	39	303	410	3620
PEAK HR FACTOR :	0.878			0.896			0.985			0.839			0.931

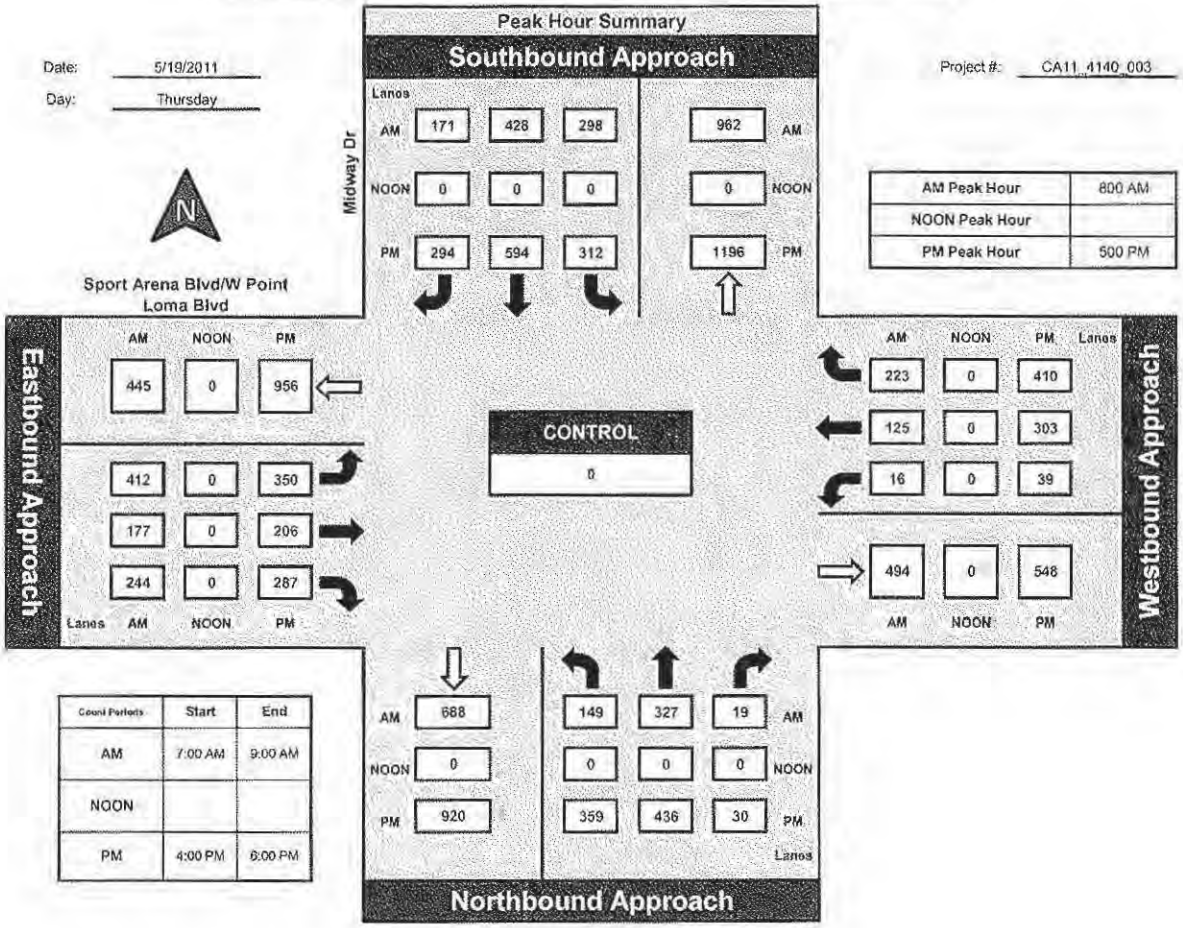
CONTROL :

ITM Peak Hour Summary

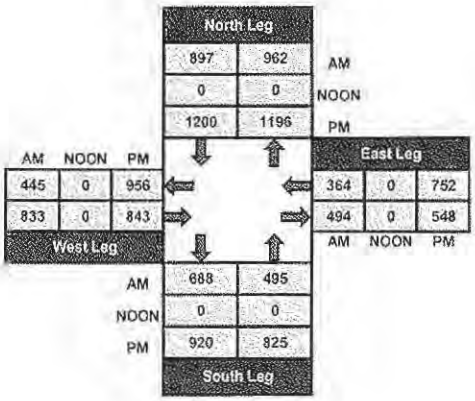
Prepared by:

National Data & Surveying Services

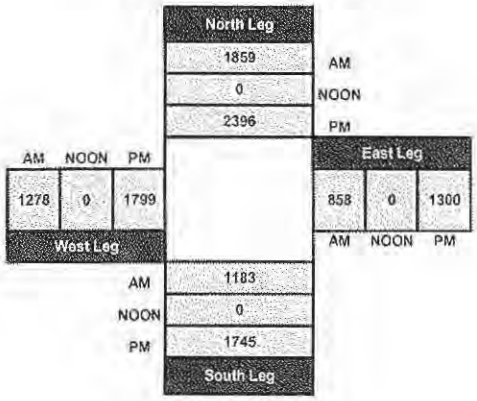
Midway Dr and Sport Arena Blvd/W Point Loma Blvd , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(5)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_004 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Kemper St			Kemper St			Midway Dr			Midway Dr			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	20	18	23	3	9	3	3	57	13	9	56	10	224
7:15 AM	28	16	20	4	6	6	12	69	17	6	33	6	223
7:30 AM	26	20	28	5	9	5	18	86	16	11	56	9	289
7:45 AM	29	30	23	8	7	13	14	87	13	10	53	11	298
8:00 AM	19	22	14	6	11	12	16	91	21	21	68	7	308
8:15 AM	29	21	21	5	17	13	14	105	15	9	68	11	328
8:30 AM	24	30	34	8	10	11	18	103	20	18	84	6	366
8:45 AM	25	22	22	6	11	17	14	91	14	16	89	11	338
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	200	179	185	45	80	80	109	689	129	100	507	71	2374
APPROACH %'s :	35.46%	31.74%	32.80%	21.95%	39.02%	39.02%	11.76%	74.33%	13.92%	14.75%	74.78%	10.47%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	97	95	91	25	49	53	62	390	70	64	309	35	1340
PEAK HR FACTOR :	0.804			0.907			0.926			0.879			0.915

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_004 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Kemper St			Kemper St			Midway Dr			Midway Dr			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	47	28	38	12	31	12	34	140	26	62	158	15	603
4:15 PM	26	38	35	9	34	19	32	118	24	70	140	16	561
4:30 PM	26	32	39	9	28	26	37	130	25	55	175	16	598
4:45 PM	41	29	47	15	42	10	23	91	53	49	138	11	549
5:00 PM	56	33	41	19	26	22	33	130	29	59	142	14	604
5:15 PM	47	31	31	9	35	28	34	151	27	59	174	17	643
5:30 PM	42	29	38	10	38	14	32	128	31	58	167	17	604
5:45 PM	49	15	28	9	39	18	29	122	29	47	146	9	540
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	334	235	297	92	273	149	254	1010	244	459	1240	115	4702
APPROACH %'s :	38.57%	27.14%	34.30%	17.90%	53.11%	28.99%	16.84%	66.98%	16.18%	25.30%	68.36%	6.34%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	186	122	157	53	141	74	122	500	140	225	621	59	2400
PEAK HR FACTOR :	0.894			0.931			0.899			0.905			0.933

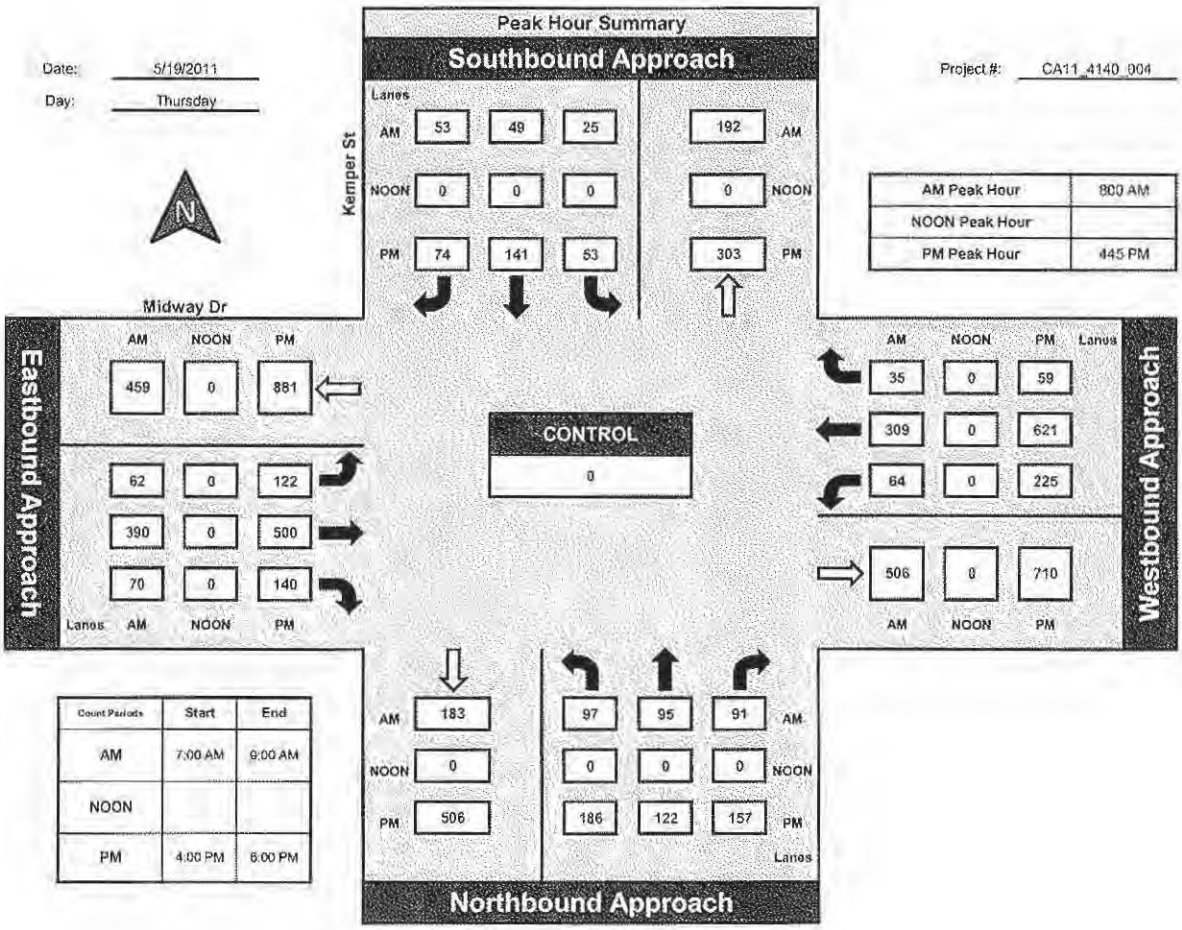
CONTROL :

ITM Peak Hour Summary

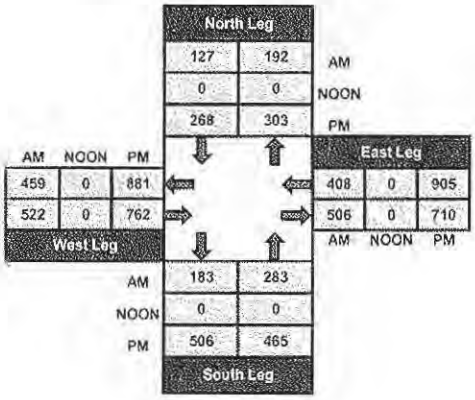
Prepared by:

National Data & Surveying Services

Kemper St and Midway Dr , City of San Diego



Total Ins & Outs



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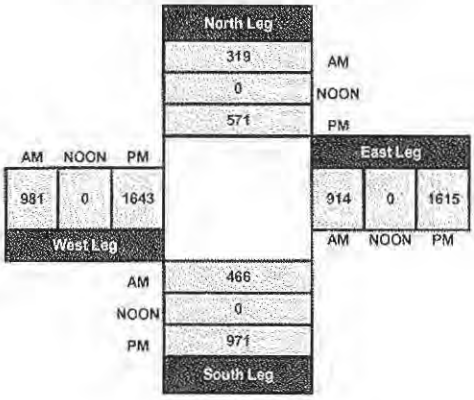


(6)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_005 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	East Dr			East Dr			Midway Dr			Midway Dr			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	4	0	3	4	0	1	4	106	3	4	81	2	212
7:15 AM	1	2	1	1	0	2	3	102	2	2	90	4	210
7:30 AM	4	0	1	1	0	4	1	132	1	5	126	7	282
7:45 AM	3	0	1	1	1	4	1	114	2	7	132	11	277
8:00 AM	6	1	0	2	0	3	1	131	3	7	148	13	315
8:15 AM	7	1	3	4	1	3	4	139	5	6	158	12	343
8:30 AM	3	0	1	7	0	4	5	148	2	6	183	23	382
8:45 AM	3	1	1	3	1	5	6	119	0	6	140	20	305
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	31	5	11	23	3	26	25	991	18	43	1058	92	2326
APPROACH %'s :	65.96%	10.64%	23.40%	44.23%	5.77%	50.00%	2.42%	95.84%	1.74%	3.60%	88.68%	7.71%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	19	3	5	16	2	15	16	537	10	25	629	68	1345
PEAK HR FACTOR :	0.614			0.750			0.908			0.851			0.880

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_005 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	East Dr			East Dr			Midway Dr			Midway Dr			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	3	4	1	12	1	10	19	203	1	8	273	39	574
4:15 PM	4	2	1	12	4	13	11	205	4	6	242	34	538
4:30 PM	7	4	2	20	2	20	14	221	4	8	267	35	604
4:45 PM	3	1	3	16	2	16	11	170	5	6	240	34	507
5:00 PM	6	0	4	11	0	10	7	217	2	7	284	44	592
5:15 PM	8	1	5	22	0	6	14	197	5	6	246	51	561
5:30 PM	1	3	2	14	3	19	23	219	4	5	278	27	598
5:45 PM	4	0	5	14	1	7	9	186	9	1	242	27	505
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	36	15	23	121	13	101	108	1618	34	47	2072	291	4479
APPROACH %'s :	48.65%	20.27%	31.08%	51.49%	5.53%	42.98%	6.14%	91.93%	1.93%	1.95%	85.98%	12.07%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	24	6	14	69	4	52	46	805	16	27	1037	164	2264
PEAK HR FACTOR :		0.786			0.744			0.907			0.916		0.937

CONTROL :

ITM Peak Hour Summary

Prepared by:

National Data & Surveying Services

East Dr and Midway Dr , City of San Diego

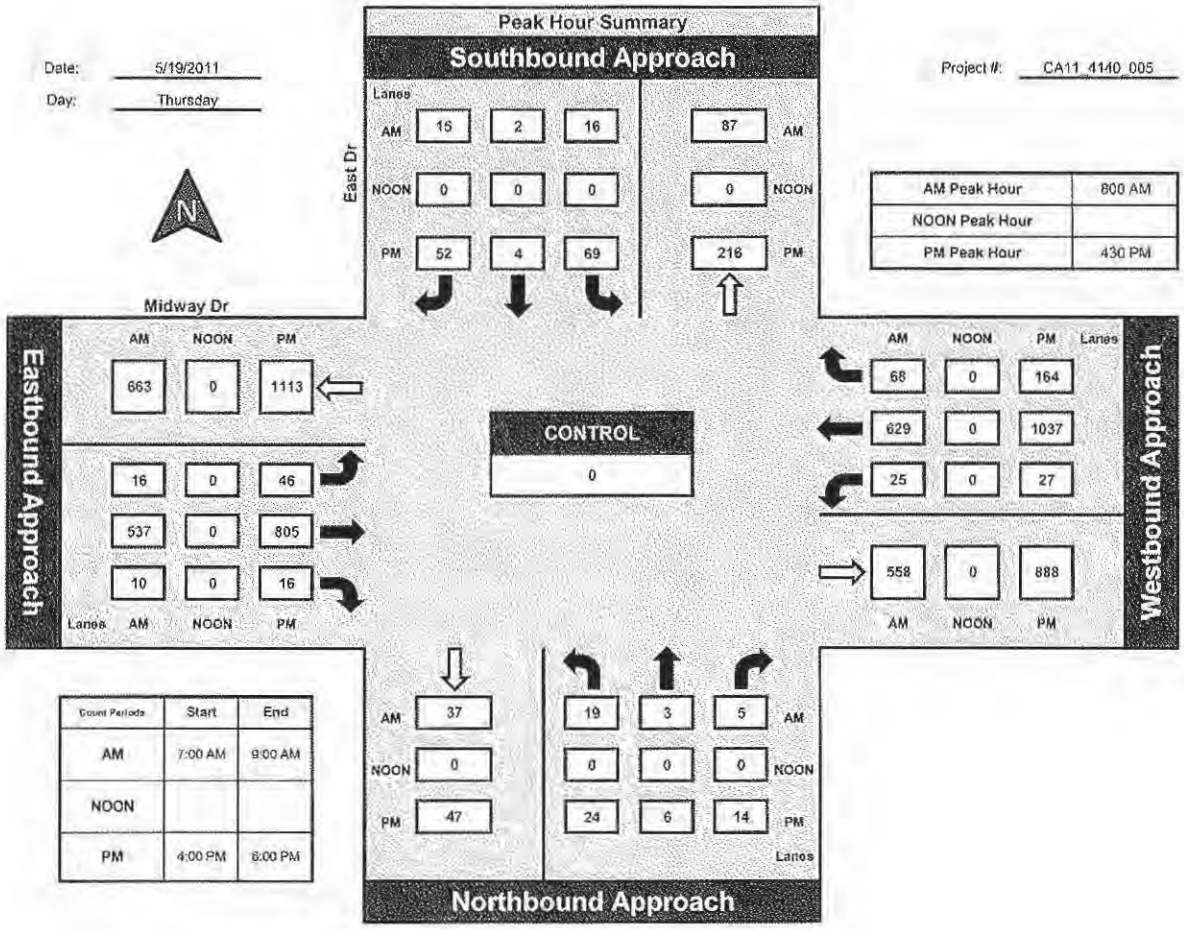
Date: 5/19/2011

Day: Thursday

Project #: CA11_4140_005

AM Peak Hour	800 AM
NOON Peak Hour	
PM Peak Hour	430 PM

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM



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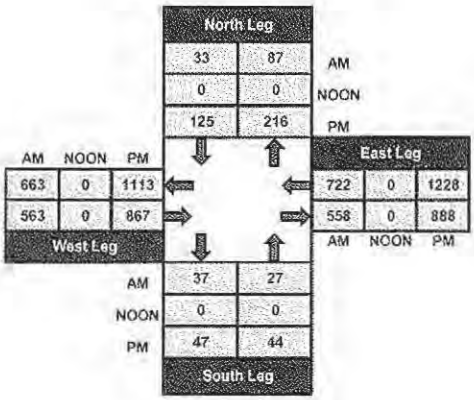

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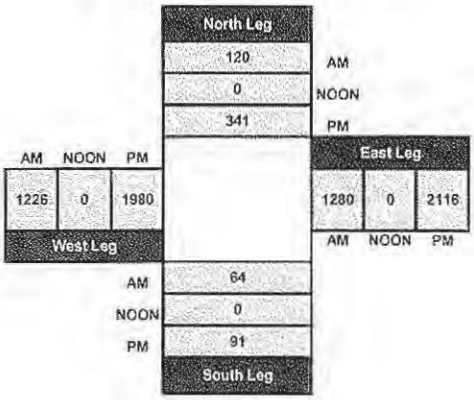


(7)

8

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Midway Drive
Weather: Sunny

File Name : SDCROMIAM
Site Code : 9102001
Start Date : 4/23/2009
Page No : 1

Groups Printed- Total Volume

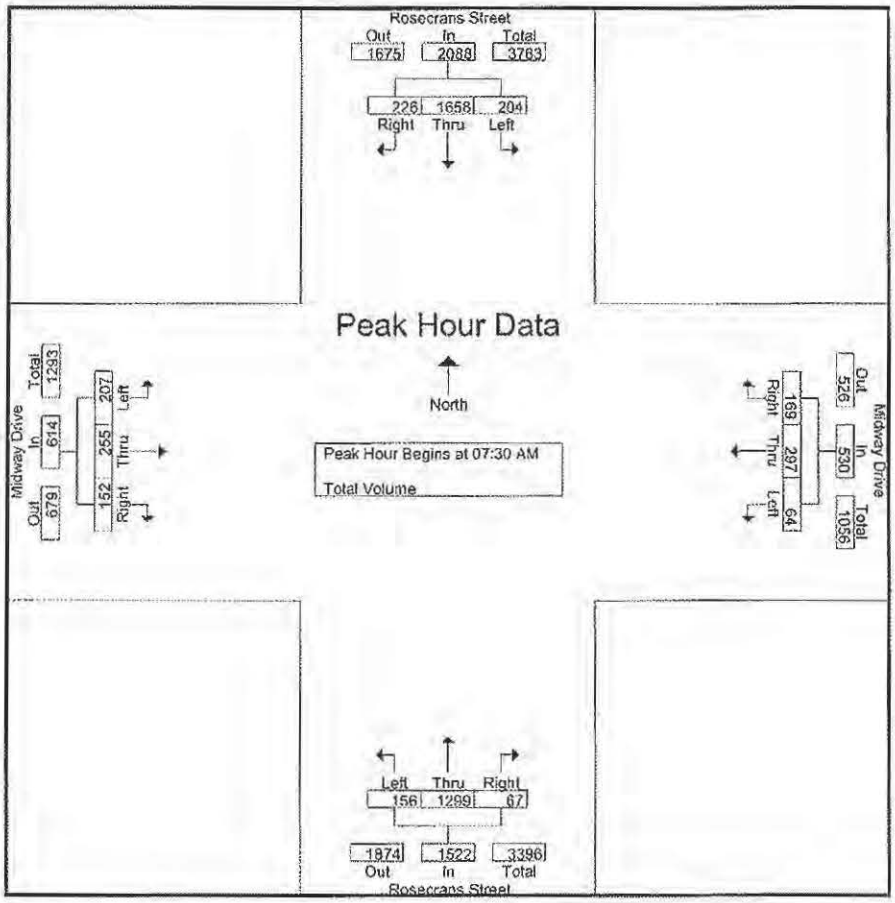
	Rosecrans Street Southbound				Midway Drive Westbound				Rosecrans Street Northbound				Midway Drive Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:45 AM	60	341	21	422	10	42	25	77	15	168	14	197	42	46	22	110	806
Total	60	341	21	422	10	42	25	77	15	168	14	197	42	46	22	110	806
07:00 AM	78	384	31	493	14	44	32	90	24	246	17	287	27	46	28	101	971
07:15 AM	67	472	45	584	18	54	25	97	17	283	13	313	45	59	16	120	1114
07:30 AM	71	355	48	474	10	70	34	114	34	349	11	394	49	66	38	153	1135
07:45 AM	43	484	68	595	20	72	36	128	29	318	10	357	44	67	33	144	1224
Total	259	1695	192	2146	62	240	127	429	104	1196	51	1351	165	238	115	518	4444
08:00 AM	48	417	57	522	13	59	59	131	50	286	24	360	67	62	39	168	1181
08:15 AM	42	402	53	497	21	96	40	157	43	346	22	411	47	60	42	149	1214
08:30 AM	58	310	55	423	15	88	45	148	33	332	20	385	55	77	35	167	1123
Grand Total	467	3165	378	4010	121	525	296	942	245	2328	131	2704	376	483	253	1112	8768
Apprch %	11.6	78.9	9.4		12.8	55.7	31.4		9.1	86.1	4.8		33.8	43.4	22.8		
Total %	5.3	36.1	4.3	45.7	1.4	6	3.4	10.7	2.8	26.6	1.5	30.8	4.3	5.5	2.9	12.7	

	Rosecrans Street Southbound				Midway Drive Westbound				Rosecrans Street Northbound				Midway Drive Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	71	355	48	474	10	70	34	114	34	349	11	394	49	66	38	153	1135
07:45 AM	43	484	68	595	20	72	36	128	29	318	10	357	44	67	33	144	1224
08:00 AM	48	417	57	522	13	59	59	131	50	286	24	360	67	62	39	168	1181
08:15 AM	42	402	53	497	21	96	40	157	43	346	22	411	47	60	42	149	1214
Total Volume	204	1658	226	2088	64	297	169	530	156	1299	67	1522	207	255	152	614	4754
% App. Total	9.8	79.4	10.8		12.1	56	31.9		10.2	85.3	4.4		33.7	41.5	24.8		
PHF	.718	.856	.831	.877	.762	.773	.716	.844	.780	.931	.698	.926	.772	.951	.905	.914	.971

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Midway Drive
Weather: Sunny

File Name : SDCROMIAM
Site Code : 9102001
Start Date : 4/23/2009
Page No : 2



Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:15 AM				07:45 AM				07:30 AM				07:45 AM			
+0 mins.	67	472	45	584	20	72	36	128	34	**349**	11	394	44	67	33	144
+15 mins.	**71**	355	48	474	13	59	59	131	29	318	10	357	**67**	62	39	**168**
+30 mins.	43	**484**	68	595	**21**	**96**	40	157	50	286	**24**	360	47	60	**42**	149
+45 mins.	48	417	57	522	15	88	45	148	43	346	22	**411**	55	77	35	167
Total Volume	229	1728	218	2175	69	315	180	564	156	1299	67	1522	213	266	149	628
% App. Total	10.5	79.4	10		12.2	55.9	31.9		10.2	85.3	4.4		33.9	42.4	23.7	
PHF	.806	.893	.801	.914	.821	.820	.763	.898	.780	.931	.698	.926	.795	.864	.887	.935

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-486-7934

City of San Diego
N/S: Rosecrans Street
E/W: Midway Drive
Weather: Sunny

File Name : SDCROMIMD
Site Code : 9102025
Start Date : 4/29/2009
Page No : 1

Groups Printed- Total Volume

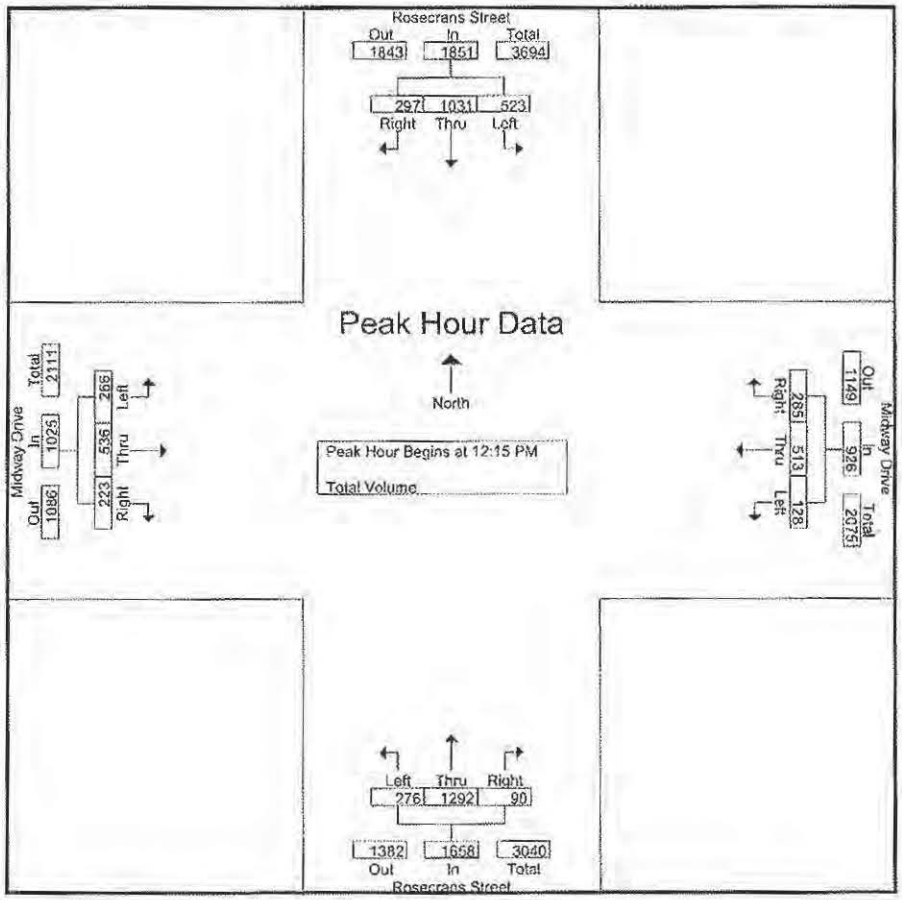
	Rosecrans Street Southbound				Midway Drive Westbound				Rosecrans Street Northbound				Midway Drive Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
11:30 AM	123	255	86	464	28	107	62	197	76	270	16	362	90	110	46	246	1269
11:45 AM	131	222	49	402	34	145	55	234	89	319	20	428	50	108	43	201	1265
Total	254	477	135	866	62	252	117	431	165	589	36	790	140	218	89	447	2534
12:00 PM	152	299	69	520	46	120	68	234	49	287	22	358	56	102	42	200	1312
12:15 PM	120	237	76	433	34	143	77	254	73	282	24	379	72	144	68	284	1350
12:30 PM	120	288	84	492	37	120	77	234	76	377	22	475	56	126	55	237	1438
12:45 PM	131	233	68	432	27	144	76	247	63	308	19	390	69	130	58	257	1326
Total	523	1057	297	1877	144	527	298	969	261	1254	87	1602	253	502	223	978	5426
01:00 PM	152	273	69	494	30	106	55	191	64	325	25	414	69	136	42	247	1346
01:15 PM	135	211	73	419	35	102	43	180	72	288	24	384	51	107	36	194	1177
Grand Total	1064	2018	574	3656	271	987	513	1771	562	2456	172	3190	513	963	390	1866	10483
Apprch %	29.1	55.2	15.7		15.3	55.7	29		17.6	77	5.4		27.5	51.6	20.9		
Total %	10.1	19.3	5.5	34.9	2.6	9.4	4.9	16.9	5.4	23.4	1.6	30.4	4.9	9.2	3.7	17.8	

	Rosecrans Street Southbound				Midway Drive Westbound				Rosecrans Street Northbound				Midway Drive Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 11:30 AM to 01:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:15 PM																	
12:15 PM	120	237	76	433	34	143	77	254	73	282	24	379	**72**	**144**	**68**	**284**	1350
12:30 PM	120	**288**	**84**	**492**	**37**	120	77	234	**76**	**377**	**22**	**475**	56	126	55	237	**1438**
12:45 PM	131	233	68	432	27	**144**	76	247	63	308	19	390	69	130	58	257	1326
01:00 PM	**152**	273	69	**494**	30	106	55	191	64	325	**25**	414	69	136	42	247	1346
Total Volume	523	1031	297	1851	128	513	285	926	276	1292	90	1658	266	536	223	1025	5460
% App. Total	28.3	55.7	16		13.8	55.4	30.8		16.6	77.9	5.4		26	52.3	21.8		
PHF	.860	.895	.884	.937	.865	.891	.925	.911	.908	.857	.900	.873	.924	.931	.820	.902	.949

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Midway Drive
Weather: Sunny

File Name : SDCROMIMD
Site Code : 9102025
Start Date : 4/29/2009
Page No : 2



Peak Hour Analysis From 11:30 AM to 01:15 PM - Peak 1 of 1

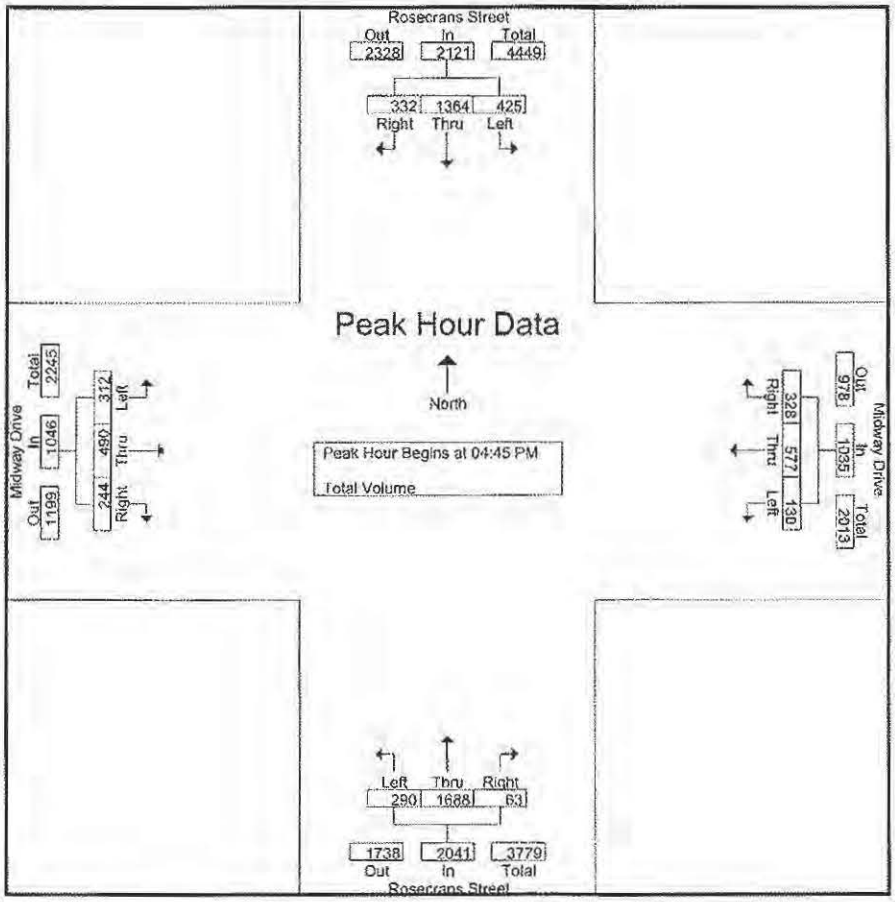
Peak Hour for Each Approach Begins at:

	12:00 PM				12:00 PM				12:30 PM				12:15 PM			
+0 mins.	**152**	**299**	69	**520**	**46**	120	68	234	**76**	**377**	22	**475**	**72**	**144**	**68**	**284**
+15 mins.	120	237	76	433	34	143	**77**	**254**	63	308	19	390	56	126	55	237
+30 mins.	120	288	**84**	492	37	120	77	234	64	325	**25**	414	69	130	58	257
+45 mins.	131	233	68	432	27	**144**	76	247	72	288	24	384	69	136	42	247
Total Volume	523	1057	297	1877	144	527	298	969	275	1298	90	1663	266	536	223	1025
% App. Total	27.9	56.3	15.8		14.9	54.4	30.8		16.5	78.1	5.4		26	52.3	21.8	
PHF	.860	.884	.884	.902	.783	.915	.968	.954	.905	.861	.900	.875	.924	.931	.820	.902

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Midway Drive
Weather: Sunny

File Name : SDCROMIPM
Site Code : 9102001
Start Date : 4/23/2009
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:45 PM				04:30 PM				04:00 PM				04:45 PM			
+0 mins.	116	330	90	536	40	133	95	268	62	427	17	506	60	109	80	249
+15 mins.	120	332	81	533	23	129	90	242	69	455	14	538	84	108	52	244
+30 mins.	99	344	89	532	38	154	84	276	67	424	13	504	86	129	46	261
+45 mins.	90	358	72	520	39	152	83	274	75	434	14	523	82	144	66	292
Total Volume	425	1364	332	2121	140	568	352	1060	273	1740	58	2071	312	490	244	1046
% App. Total	20	64.3	15.7		13.2	53.6	33.2		13.2	84	2.8		29.8	46.8	23.3	
PHF	.885	.953	.922	.989	.875	.922	.926	.960	.910	.956	.853	.962	.907	.851	.763	.896

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Midway Drive
Weather: Sunny

File Name : SDCROMIPM
Site Code : 9102001
Start Date : 4/23/2009
Page No : 1

Groups Printed- Total Volume

	Rosecrans Street Southbound				Midway Drive Westbound				Rosecrans Street Northbound				Midway Drive Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	106	301	72	479	34	138	80	252	62	427	17	506	75	117	42	234	1471
04:15 PM	107	324	78	509	33	128	96	257	69	455	14	538	77	111	52	240	1544
04:30 PM	103	285	80	468	40	133	95	268	67	424	13	504	72	131	56	259	1499
04:45 PM	116	330	90	536	23	129	90	242	75	434	14	523	60	109	80	249	1550
Total	432	1240	320	1992	130	528	361	1019	273	1740	58	2071	284	468	230	982	6064
05:00 PM	120	332	81	533	38	154	84	276	69	398	20	487	84	108	52	244	1540
05:15 PM	99	344	89	532	39	152	83	274	71	432	14	517	86	129	46	261	1584
05:30 PM	90	358	72	520	30	142	71	243	75	424	15	514	82	144	66	292	1569
05:45 PM	121	327	67	515	37	119	62	218	71	350	20	441	64	119	52	235	1409
Total	430	1361	309	2100	144	567	300	1011	286	1604	69	1959	316	500	216	1032	6102
Grand Total	862	2601	629	4092	274	1095	661	2030	559	3344	127	4030	600	968	446	2014	12166
Apprch %	21.1	63.6	15.4		13.5	53.9	32.6		13.9	83	3.2		29.8	48.1	22.1		
Total %	7.1	21.4	5.2	33.6	2.3	9	5.4	16.7	4.6	27.5	1	33.1	4.9	8	3.7	16.6	

	Rosecrans Street Southbound				Midway Drive Westbound				Rosecrans Street Northbound				Midway Drive Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	116	330	**90**	**536**	23	129	**90**	242	**75**	**434**	14	**523**	60	109	**80**	249	1550
05:00 PM	**120**	332	81	533	38	**154**	84	**276**	69	398	**20**	487	84	108	52	244	1540
05:15 PM	99	344	89	532	**39**	152	83	274	71	432	14	517	**86**	129	46	261	**1584**
05:30 PM	90	358	72	520	30	142	71	243	75	424	15	514	82	**144**	66	**292**	1569
Total Volume	425	1364	332	2121	130	577	328	1035	290	1688	63	2041	312	490	244	1046	6243
% App. Total	20	64.3	15.7		12.6	55.7	31.7		14.2	82.7	3.1		29.8	46.8	23.3		
PHF	.885	.953	.922	.989	.833	.937	.911	.938	.967	.972	.788	.976	.907	.851	.763	.896	.985

(9)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_006 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

AM

NS/EW Streets:	Midway Dr			Midway Dr			Enterprise St			Enterprise St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM		85	4		87							17	193
7:15 AM		92	8		75							14	189
7:30 AM		118	2		117							10	247
7:45 AM		118	6		99							20	243
8:00 AM		114	8		112							21	255
8:15 AM		129	4		118							20	271
8:30 AM		149	7		150							24	330
8:45 AM		141	6		130							17	294

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	946	45	0	888	0	0	0	0	0	0	143	2022
APPROACH %'s :	0.00%	95.46%	4.54%	0.00%	100.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	0.00%	100.00%	

PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	533	25	0	510	0	0	0	0	0	0	82	1150
PEAK HR FACTOR :		0.894			0.850			0.000			0.854		0.871

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_006 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

PM

NS/EW Streets:	Midway Dr			Midway Dr			Enterprise St			Enterprise St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM		172	4		203							63	442
4:15 PM		185	4		182							44	415
4:30 PM		169	1		228							71	469
4:45 PM		186	2		222							52	462
5:00 PM		220	1		232							53	506
5:15 PM		190	2		183							52	427
5:30 PM		164	1		206							43	414
5:45 PM		151	1		170							30	352

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	1437	16	0	1626	0	0	0	0	0	0	408	3487
APPROACH %'s :	0.00%	98.90%	1.10%	0.00%	100.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	0.00%	100.00%	

PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	0	765	6	0	865	0	0	0	0	0	0	228	1864
PEAK HR FACTOR :		0.872			0.932			0.000			0.803		0.921

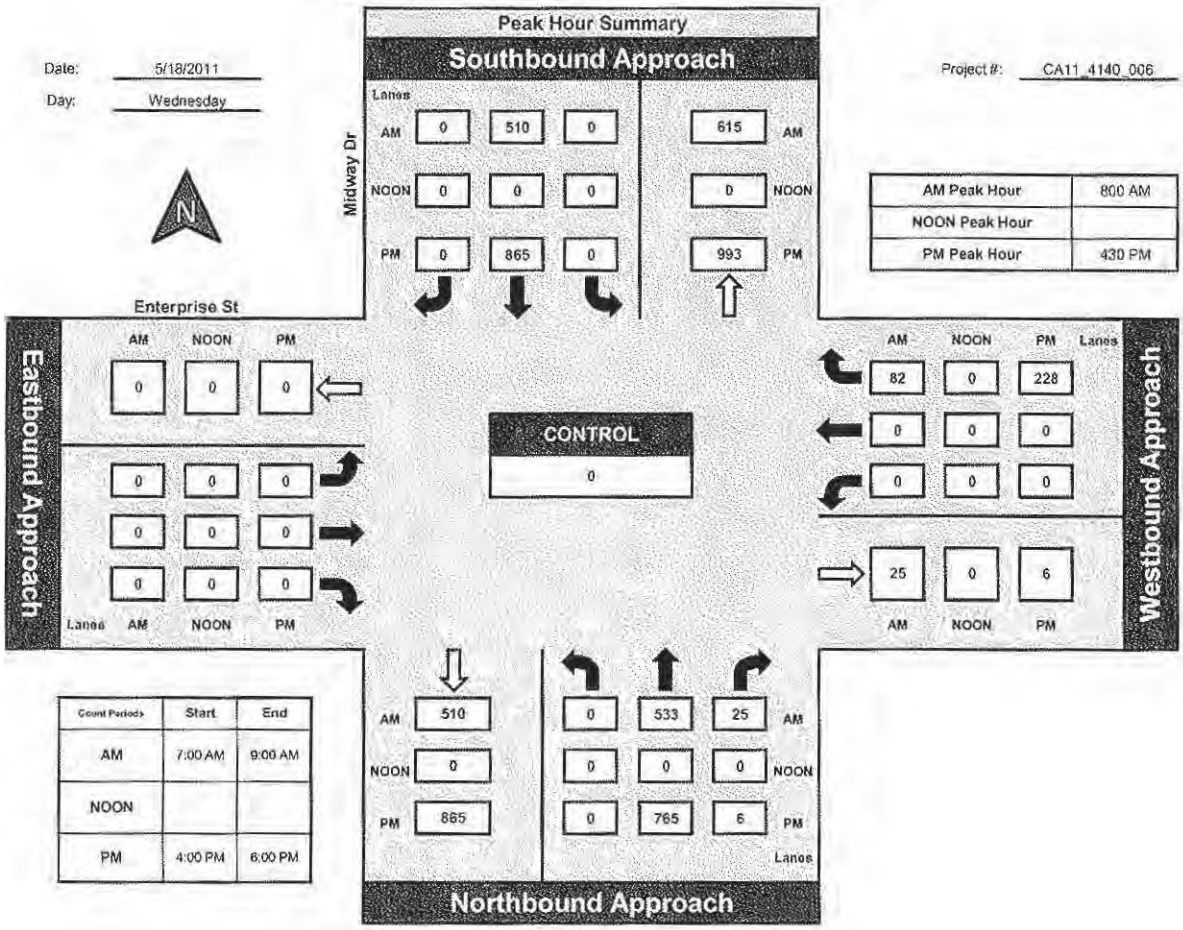
CONTROL :

ITM Peak Hour Summary

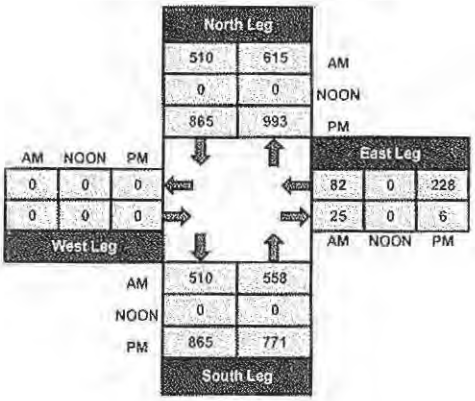
Prepared by:

National Data & Surveying Services

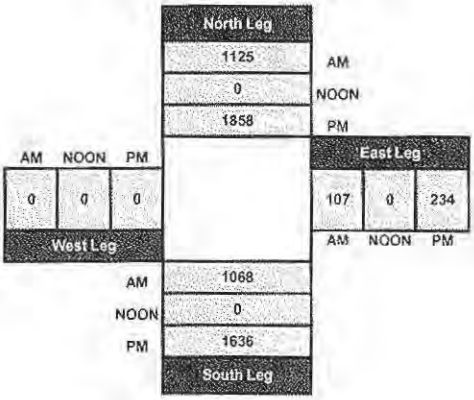
Midway Dr and Enterprise St , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(10)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_007 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

AM

NS/EW Streets:	Midway Dr			Midway Dr			Barnett Ave			Barnett Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM				65		21		160			380	84	710
7:15 AM				55		21		210			329	105	720
7:30 AM				95		21		186			248	115	665
7:45 AM				87		13		189			338	129	756
8:00 AM				89		19		210			314	119	751
8:15 AM				102		19		227			306	132	786
8:30 AM				119		28		210			253	152	762
8:45 AM				108		25		170			204	151	658
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	720	0	167	0	1562	0	0	2372	987	5808
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	81.17%	0.00%	18.83%	0.00%	100.00%	0.00%	0.00%	70.62%	29.38%	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	0	0	0	397	0	79	0	836	0	0	1211	532	3055
PEAK HR FACTOR :	0.000			0.810			0.921			0.933			0.972

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_007 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

PM

NS/EW Streets:	Midway Dr			Midway Dr			Barnett Ave			Barnett Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM				172		27		333			223	175	930
4:15 PM				159		27		359			230	190	965
4:30 PM				192		32		310			227	170	931
4:45 PM				187		31		293			255	188	954
5:00 PM				201		34		270			230	221	956
5:15 PM				157		25		278			211	189	860
5:30 PM				175		31		216			206	169	797
5:45 PM				148		17		180			193	149	687
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	1391	0	224	0	2239	0	0	1775	1451	7080
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	86.13%	0.00%	13.87%	0.00%	100.00%	0.00%	0.00%	55.02%	44.98%	
PEAK HR START TIME :	415 PM												TOTAL
PEAK HR VOL :	0	0	0	739	0	124	0	1232	0	0	942	769	3806
PEAK HR FACTOR :	0.000			0.918			0.858			0.948			0.986

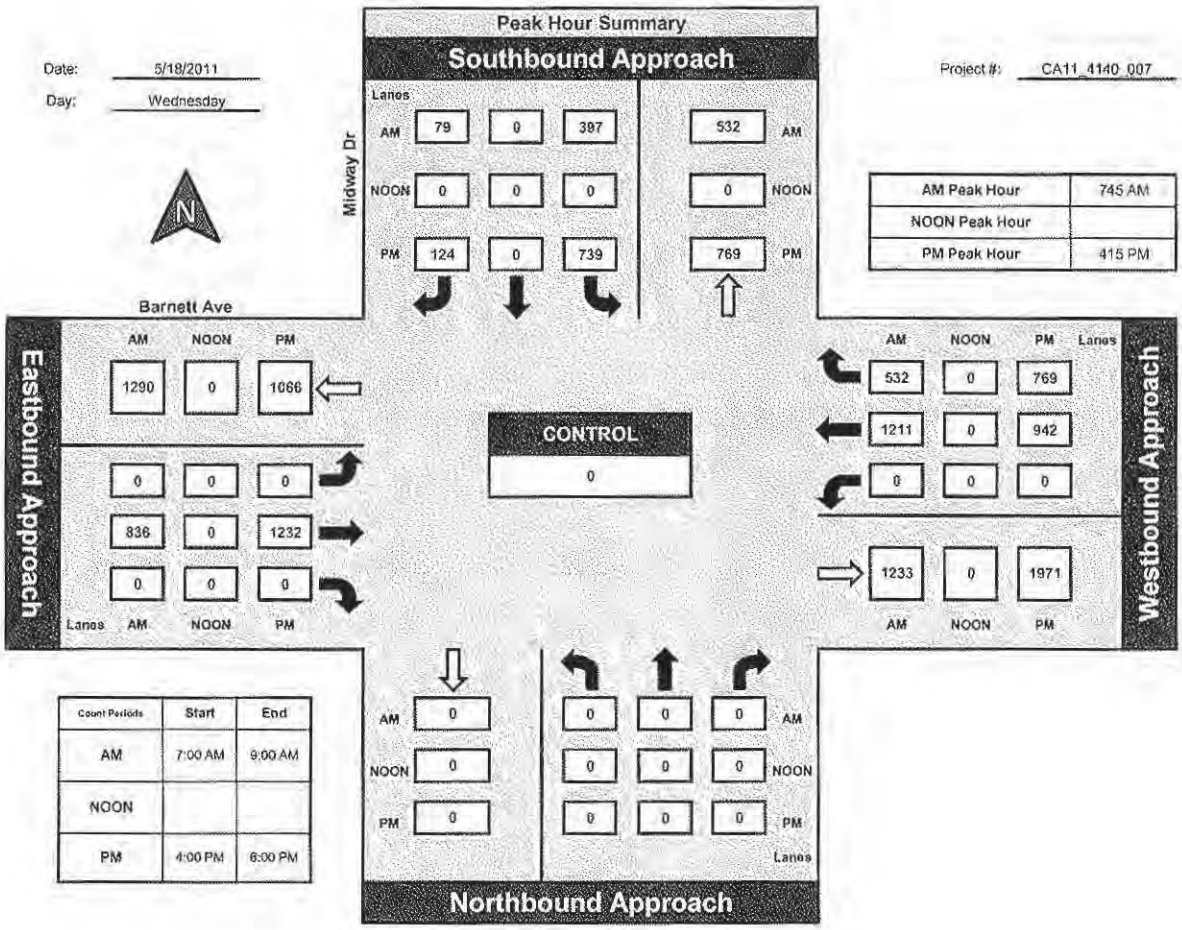
CONTROL :

ITM Peak Hour Summary

Prepared by:

National Data & Surveying Services

Midway Dr and Barnett Ave , City of San Diego



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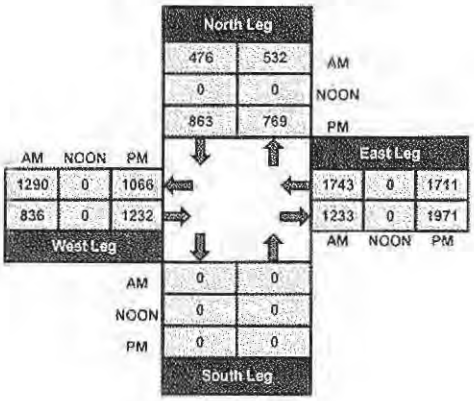
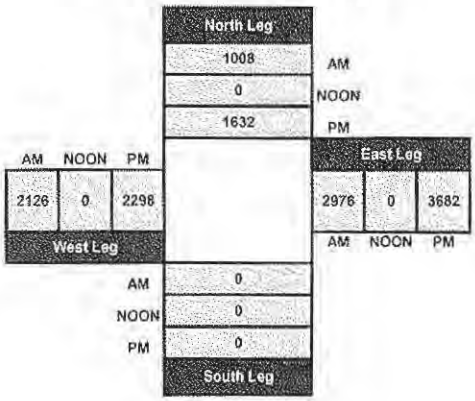


Total Volume Per Leg



(11)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_008 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Hancock St			Hancock St			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM				7	0	11	24	66	1	0	47	9	165
7:15 AM				7	1	18	30	83	0	0	36	6	181
7:30 AM				8	0	8	36	74	1	0	54	18	199
7:45 AM				3	0	16	32	99	2	0	68	15	235
8:00 AM				1	0	13	33	95	1	1	69	12	225
8:15 AM				8	1	14	25	99	0	0	78	14	239
8:30 AM				3	0	8	25	93	3	0	80	10	222
8:45 AM				4	1	5	21	99	2	0	104	16	252
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	41	3	93	226	708	10	1	536	100	1718
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	29.93%	2.19%	67.88%	23.94%	75.00%	1.06%	0.16%	84.14%	15.70%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	0	0	16	2	40	104	386	6	1	331	52	938
PEAK HR FACTOR :		0.000			0.630			0.961			0.800		0.931

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_008 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Hancock St			Hancock St			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM				9	0	24	13	83	0	1	109	9	248
4:15 PM				12	0	36	13	105	2	4	121	11	304
4:30 PM				15	1	43	21	131	4	7	150	16	388
4:45 PM				14	0	48	25	130	7	5	177	18	424
5:00 PM				13	2	53	22	127	3	2	128	8	358
5:15 PM				14	0	41	18	135	0	6	152	9	375
5:30 PM				11	0	27	23	123	2	2	137	9	334
5:45 PM				12	2	35	28	136	5	3	149	8	378
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	100	5	307	163	970	23	30	1123	88	2809
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	24.27%	1.21%	74.51%	14.10%	83.91%	1.99%	2.42%	90.49%	7.09%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	0	0	0	56	3	185	86	523	14	20	607	51	1545
PEAK HR FACTOR :	0.000			0.897			0.961			0.848			0.911

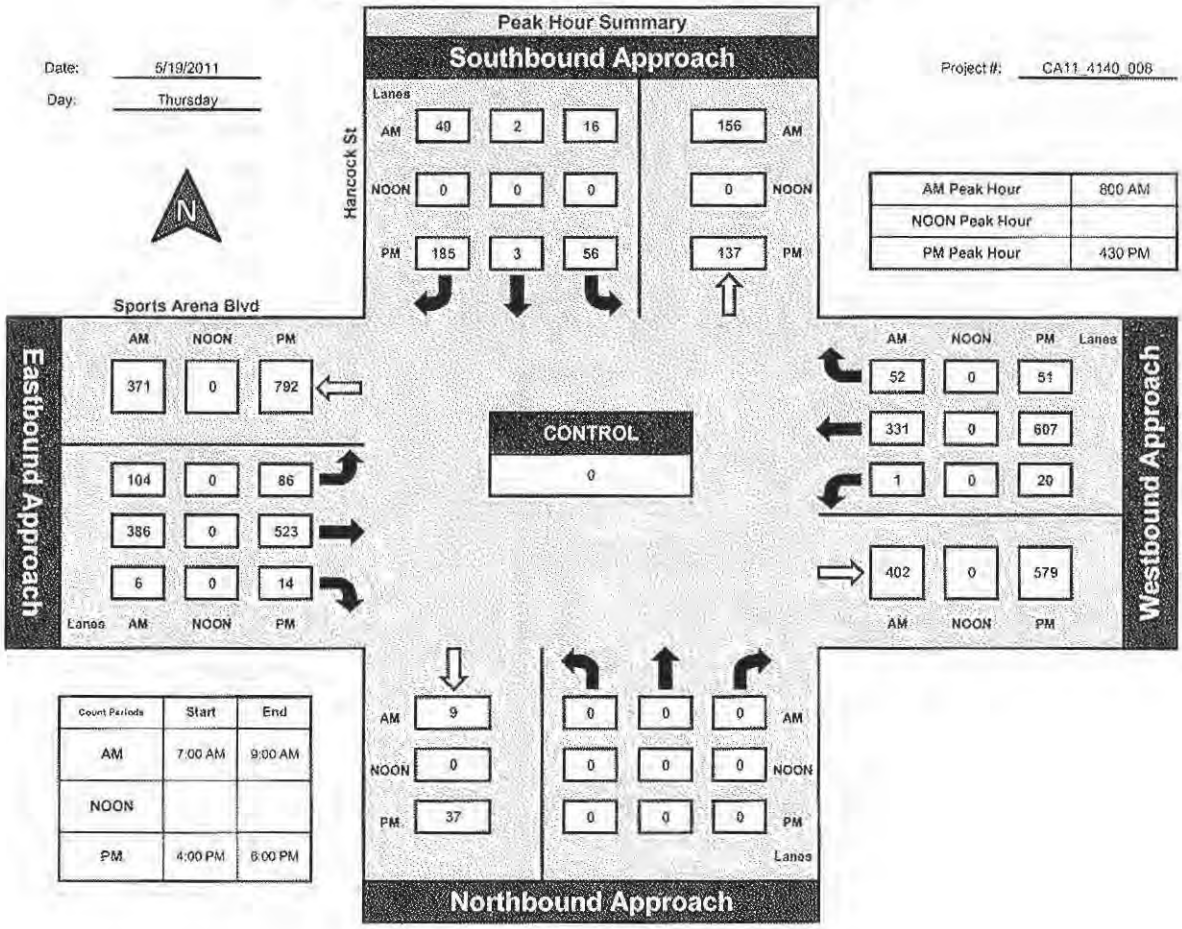
CONTROL :

ITM Peak Hour Summary

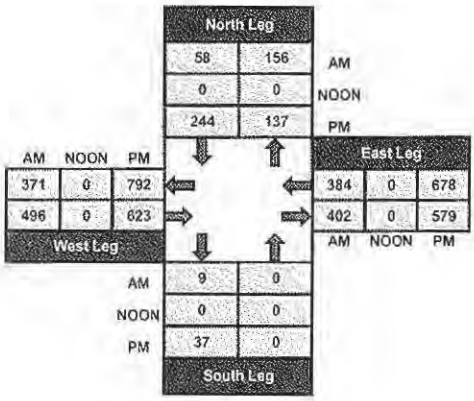
Prepared by:

National Data & Surveying Services

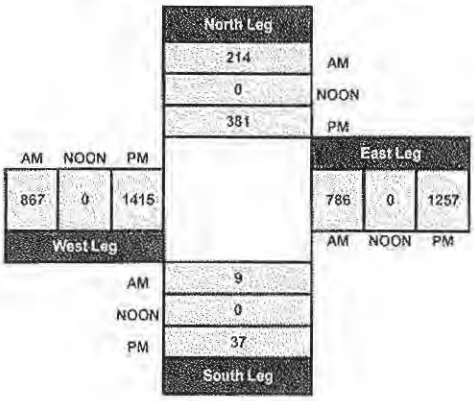
Hancock St and Sports Arena Blvd , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(11)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_008 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Hancock St			Hancock St			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0		1		0				0	0			1
7:15 AM	0		1		0				0	0			1
7:30 AM	1		2		1				0	0			4
7:45 AM	0		1		0				0	0			1
8:00 AM	0		0		1				0	1			2
8:15 AM	0		2		1				1	0			4
8:30 AM	2		0		1				1	1			5
8:45 AM	0		0		0				0	0			

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	3	0	7	0	4	0	0	0	2	2	0	0	18
APPROACH %'s :	30.00%	0.00%	70.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	

PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	2	0	3	0	3	0	0	0	2	2	0	0	12
PEAK HR FACTOR :	0.625			0.750			0.500			0.500			0.600

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_008 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Hancock St			Hancock St			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	0		1		1				2	0			4
4:15 PM	5		2		0				2	2			11
4:30 PM	4		1		5				6	1			17
4:45 PM	4		2		0				5	2			13
5:00 PM	3		0		3				5	0			11
5:15 PM	2		0		0				1	1			4
5:30 PM	1		2		1				2	1			7
5:45 PM	3		2		2				3	2			12

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	22	0	10	0	12	0	0	0	26	9	0	0	79
APPROACH %'s :	68.75%	0.00%	31.25%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	
PEAK HR START TIME :	415 PM												TOTAL
PEAK HR VOL :	16	0	5	0	8	0	0	0	18	5	0	0	52
PEAK HR FACTOR :	0.750			0.400			0.750			0.625			0.765

CONTROL :

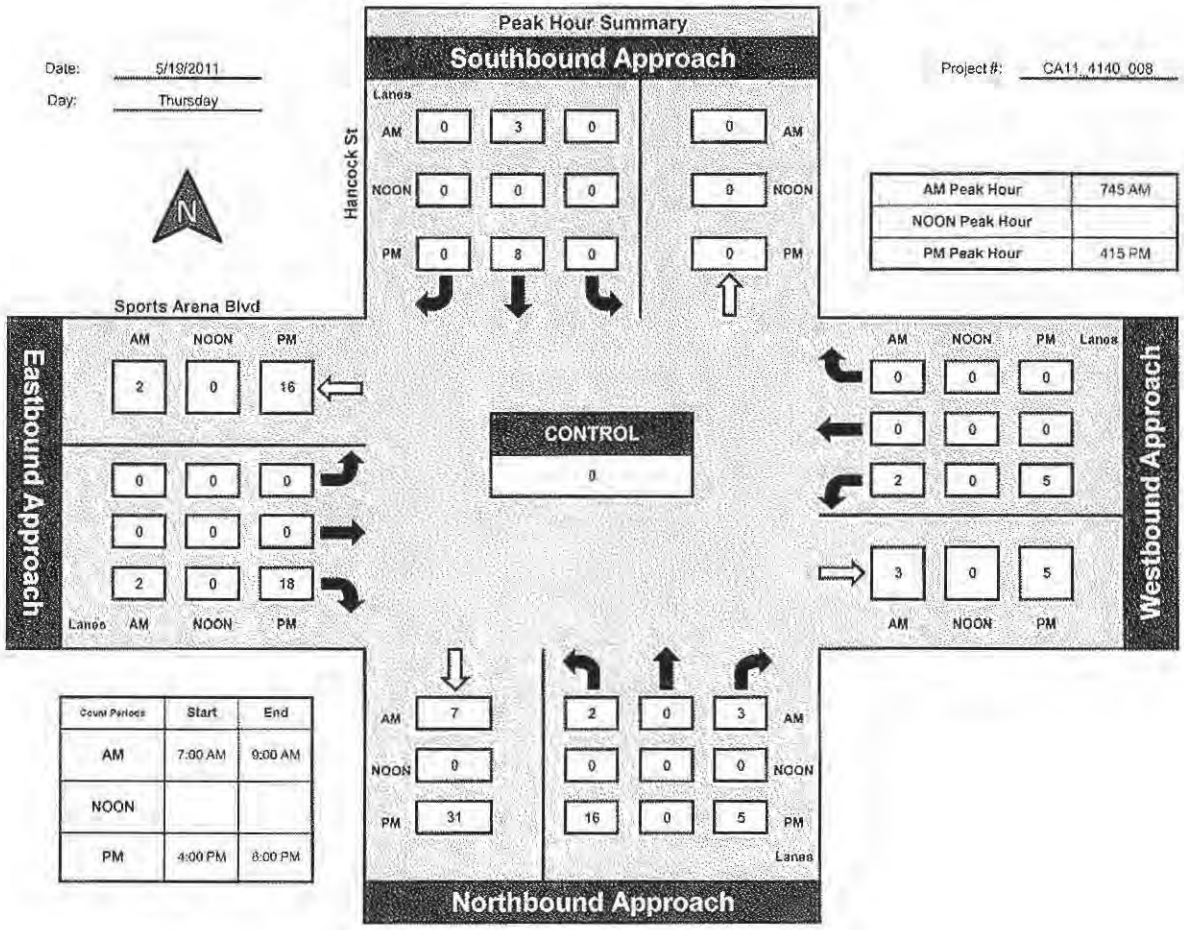
ITM Peak Hour Summary

Prepared by:

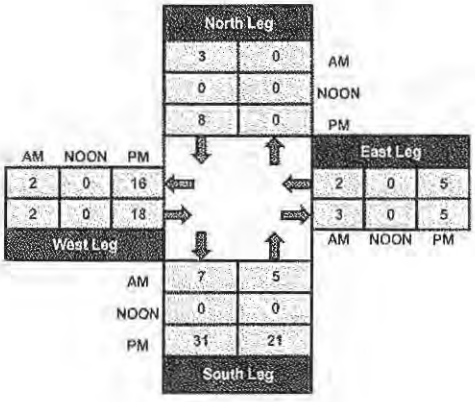
NDS

National Data & Surveying Services

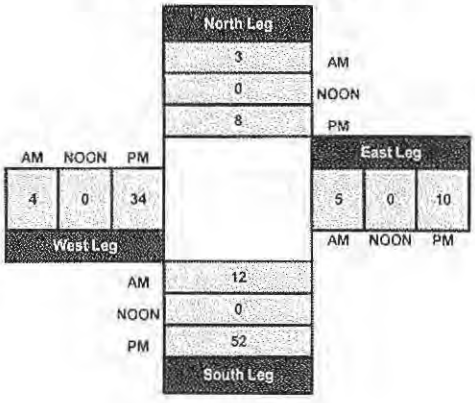
Hancock St and Sports Arena Blvd , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(12)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_009 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Kemper St			Kemper St			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	15	1	30	1	2	5	7	79	6	20	57	6	229
7:15 AM	13	2	20	3	5	3	4	90	15	14	49	9	227
7:30 AM	17	6	39	4	3	6	9	74	7	29	74	11	279
7:45 AM	12	10	22	7	4	13	9	68	16	27	57	10	255
8:00 AM	12	6	15	11	4	15	19	64	17	28	50	22	263
8:15 AM	23	8	19	10	6	23	20	71	11	24	44	20	279
8:30 AM	16	15	34	8	6	32	17	65	28	34	51	23	329
8:45 AM	23	11	27	17	7	30	12	81	20	30	82	15	355
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	131	59	206	61	37	127	97	592	120	206	464	116	2216
APPROACH %'s :	33.08%	14.90%	52.02%	27.11%	16.44%	56.44%	11.99%	73.18%	14.83%	26.21%	59.03%	14.76%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	74	40	95	46	23	100	68	281	76	116	227	80	1226
PEAK HR FACTOR :	0.804			0.782			0.940			0.833			0.863

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_009 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Kemper St			Kemper St			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	1	2	10	33	2	23	27	95	2	18	135	29	377
4:15 PM	6	3	8	28	5	23	35	106	10	8	139	29	400
4:30 PM	10	3	9	33	6	33	44	112	4	19	150	33	456
4:45 PM	6	5	10	22	5	19	25	125	6	9	158	18	408
5:00 PM	8	3	11	24	4	23	34	130	8	11	137	25	418
5:15 PM	3	3	10	23	6	27	33	135	1	11	135	32	419
5:30 PM	8	0	9	22	3	22	27	123	5	13	140	21	393
5:45 PM	5	5	8	28	6	21	21	136	5	10	119	35	399
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	47	24	75	213	37	191	246	962	41	99	1113	222	3270
APPROACH %'s :	32.19%	16.44%	51.37%	48.30%	8.39%	43.31%	19.70%	77.02%	3.28%	6.90%	77.62%	15.48%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	27	14	40	102	21	102	136	502	19	50	580	108	1701
PEAK HR FACTOR :	0.920			0.781			0.955			0.913			0.933

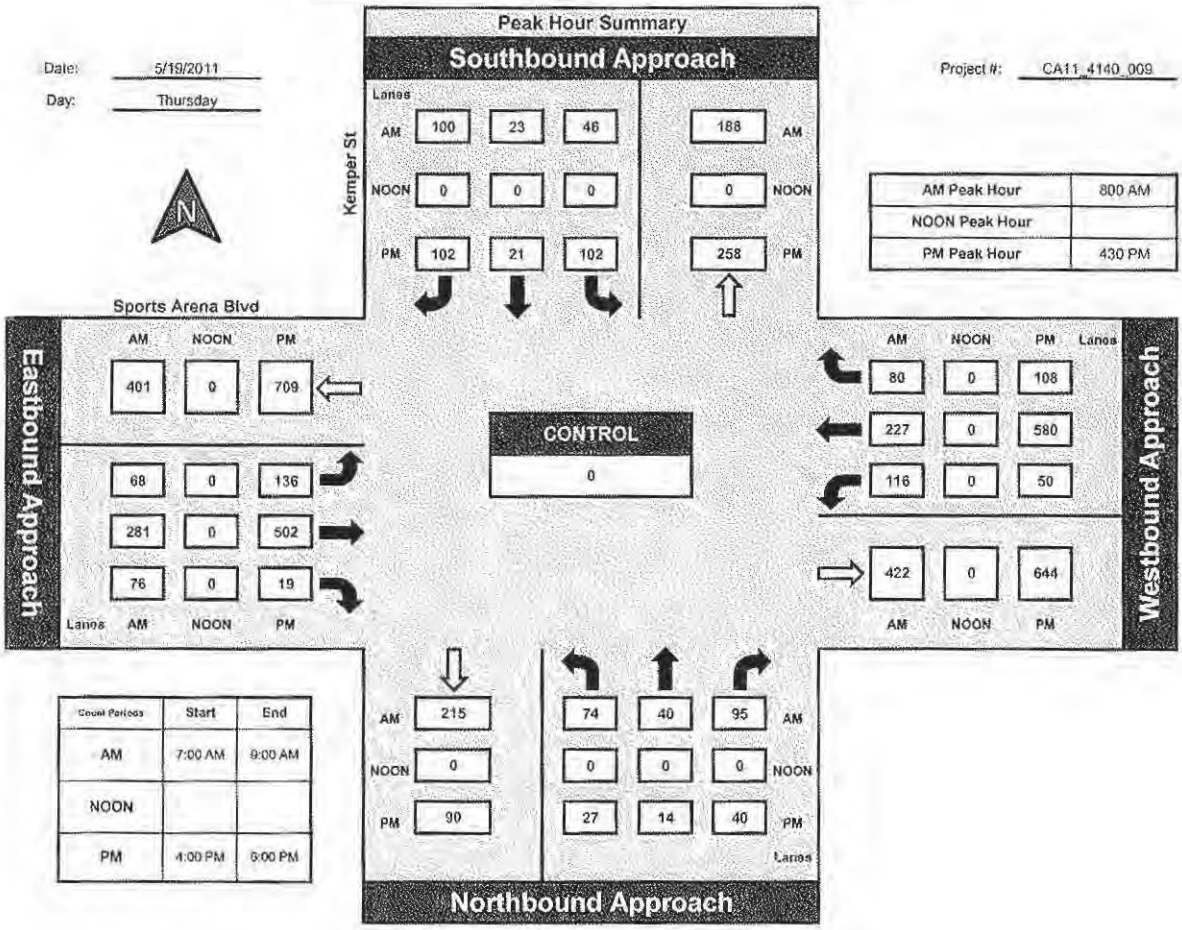
CONTROL :

ITM Peak Hour Summary

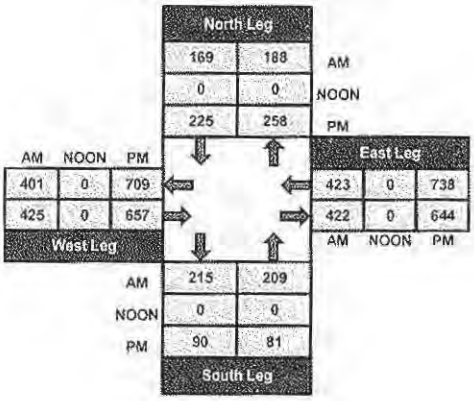
Prepared by:

National Data & Surveying Services

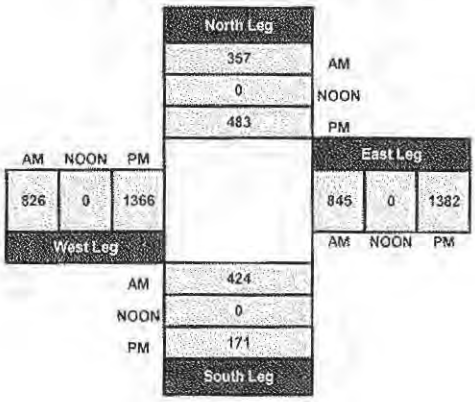
Kemper St and Sports Arena Blvd , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(13)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_010 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Sport Arena Driveway			Sport Arena Driveway			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	7	0	1	2	0	4	11	69	12	1	63	1	171
7:15 AM	4	0	4	2	2	4	16	74	11	2	73	5	197
7:30 AM	5	0	1	7	0	5	14	87	15	1	96	2	233
7:45 AM	7	0	3	1	0	8	12	81	10	2	87	3	214
8:00 AM	7	1	0	5	0	7	20	65	11	4	78	2	200
8:15 AM	4	0	3	4	1	10	23	75	7	2	82	5	216
8:30 AM	6	3	2	5	1	11	16	66	9	2	92	11	224
8:45 AM	9	1	3	11	1	12	13	76	12	2	106	7	253
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	49	5	17	37	5	61	125	593	87	16	677	36	1708
APPROACH %'s :	69.01%	7.04%	23.94%	35.92%	4.85%	59.22%	15.53%	73.66%	10.81%	2.19%	92.87%	4.94%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	26	5	8	25	3	40	72	282	39	10	358	25	893
PEAK HR FACTOR :	0.750			0.708			0.936			0.854			0.882

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_010 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Sport Arena Driveway			Sport Arena Driveway			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	12	3	7	18	3	37	35	146	10	4	136	13	424
4:15 PM	8	9	8	22	3	40	25	139	17	9	131	14	425
4:30 PM	17	4	9	25	2	36	25	152	17	8	146	18	459
4:45 PM	7	2	4	33	3	32	24	129	15	7	138	8	402
5:00 PM	15	3	9	33	5	24	24	162	12	6	143	11	447
5:15 PM	11	2	12	29	3	29	28	143	17	13	131	16	434
5:30 PM	11	2	9	20	0	24	13	149	19	10	130	13	400
5:45 PM	13	0	10	33	3	23	25	131	21	9	131	17	416
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	94	25	68	213	22	245	199	1151	128	66	1086	110	3407
APPROACH %'s :	50.27%	13.37%	36.36%	44.38%	4.58%	51.04%	13.46%	77.88%	8.66%	5.23%	86.05%	8.72%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	50	11	34	120	13	121	101	586	61	34	558	53	1742
PEAK HR FACTOR :		0.792			0.934			0.944			0.938		0.949

CONTROL :

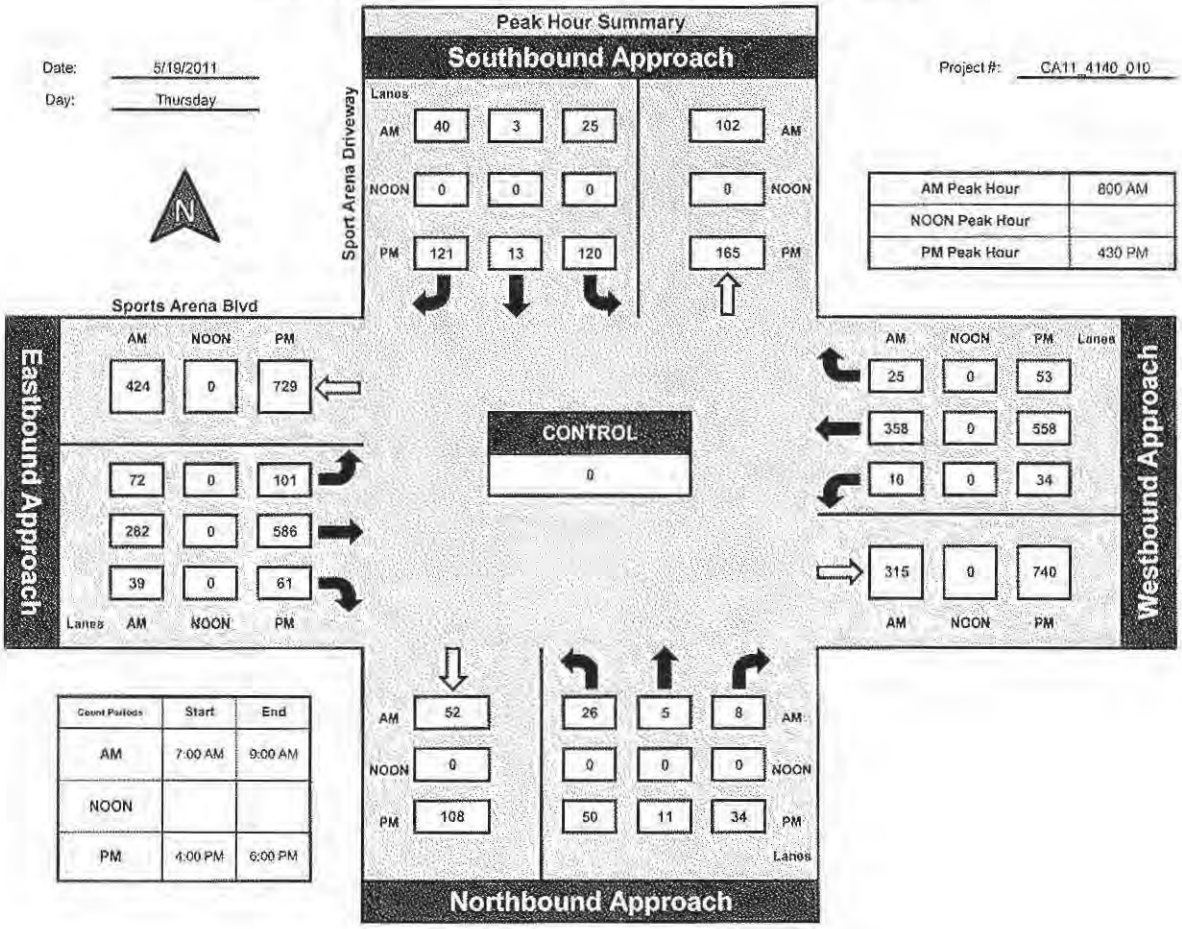
ITM Peak Hour Summary

Prepared by:

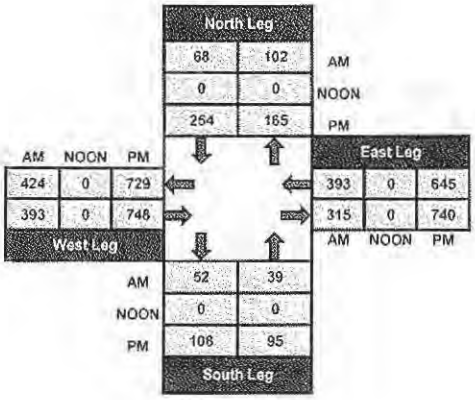
NDS

National Data & Surveying Services

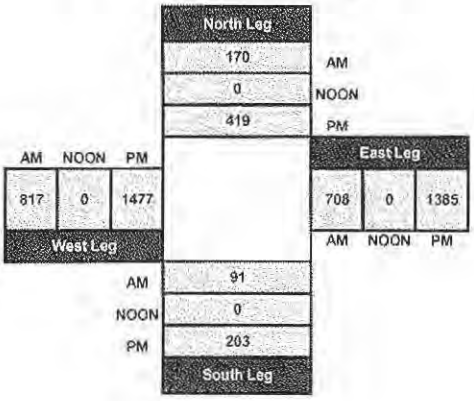
Sport Arena Driveway and Sports Arena Blvd , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(14)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_011 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	East Dr			East Dr			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	2	0	5			0	3	77	1	7	98	10	203
7:15 AM	2	0	6			0	7	83	5	5	117	8	233
7:30 AM	1	0	2			0	7	122	9	8	121	9	279
7:45 AM	1	1	9			0	6	105	9	11	139	5	286
8:00 AM	3	0	10			1	5	108	6	6	135	10	284
8:15 AM	3	0	8			0	8	146	5	9	144	8	331
8:30 AM	3	0	5			0	11	131	6	8	161	9	334
8:45 AM	4	0	11			1	6	139	9	18	149	9	346
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	19	1	56	0	0	2	53	911	50	72	1064	68	2296
APPROACH %'s :	25.00%	1.32%	73.68%	0.00%	0.00%	100.00%	5.23%	89.84%	4.93%	5.98%	88.37%	5.65%	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	13	0	34	0	0	2	30	524	26	41	589	36	1295
PEAK HR FACTOR :		0.783			0.500			0.912			0.935		0.936

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_011 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	East Dr			East Dr			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	5	1	21			1	11	196	23	26	179	5	468
4:15 PM	8	1	14			4	5	183	25	26	198	3	467
4:30 PM	3	1	11			0	5	202	33	30	217	2	504
4:45 PM	8	2	10			0	1	193	29	41	177	1	462
5:00 PM	6	1	20			1	0	189	24	18	190	0	449
5:15 PM	7	0	19			0	1	175	22	25	221	0	470
5:30 PM	8	1	24			1	3	181	20	30	194	0	462
5:45 PM	12	1	20			3	0	193	15	24	194	1	463
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	57	8	139	0	0	10	26	1512	191	220	1570	12	3745
APPROACH %'s :	27.94%	3.92%	68.14%	0.00%	0.00%	100.00%	1.50%	87.45%	11.05%	12.21%	87.13%	0.67%	
PEAK HR START TIME :	400 PM												TOTAL
PEAK HR VOL :	24	5	56	0	0	5	22	774	110	123	771	11	1901
PEAK HR FACTOR :	0.787			0.313			0.944			0.909			0.943

CONTROL :

ITM Peak Hour Summary

Prepared by:

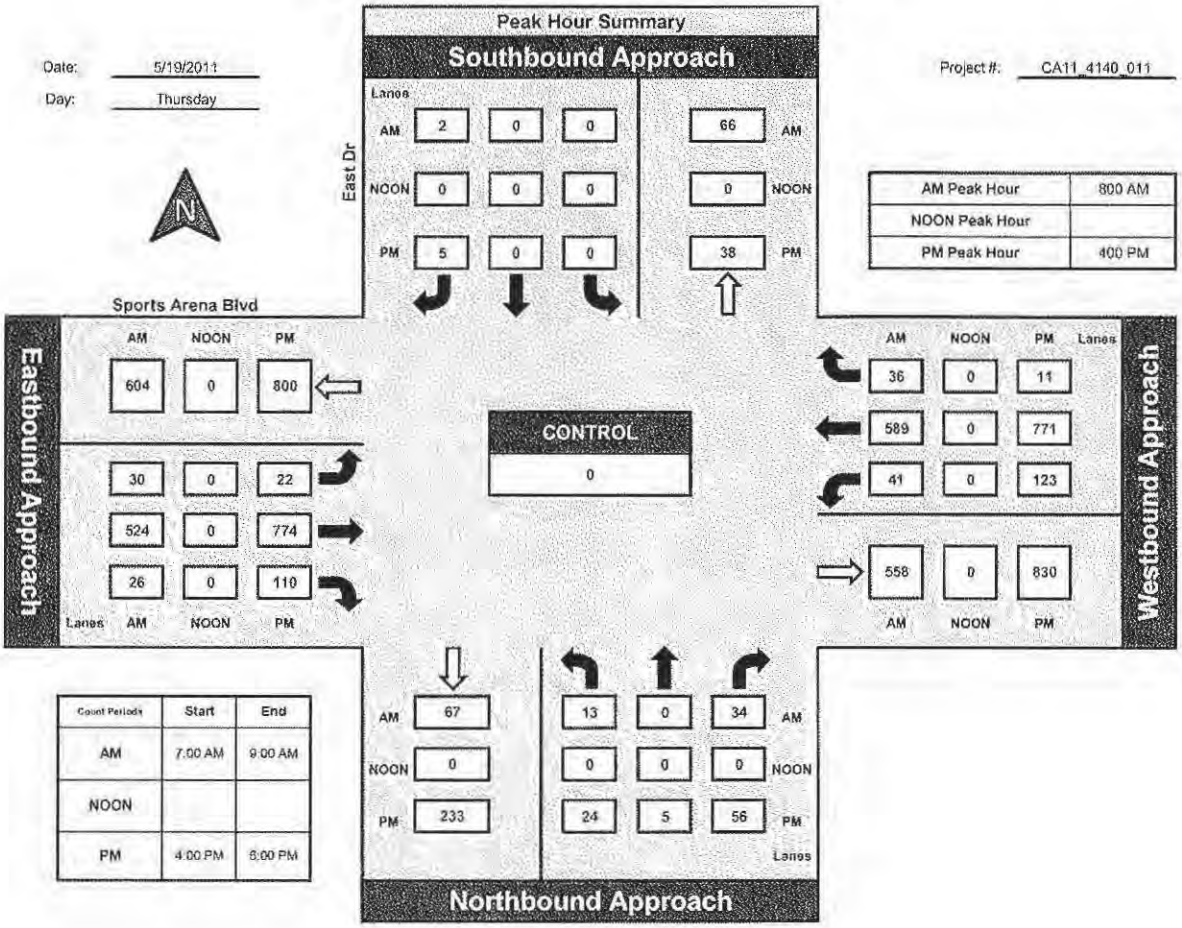
National Data & Surveying Services

East Dr and Sports Arena Blvd , City of San Diego

Date: 5/19/2011

Day: Thursday

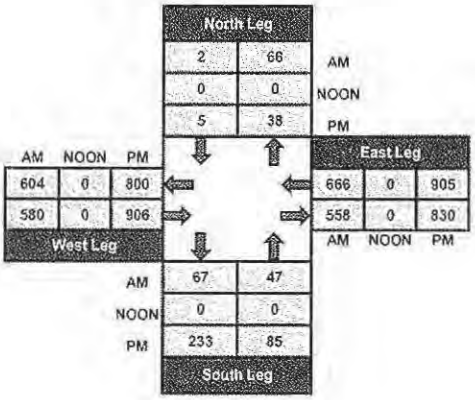
Project #: CA11_4140_011



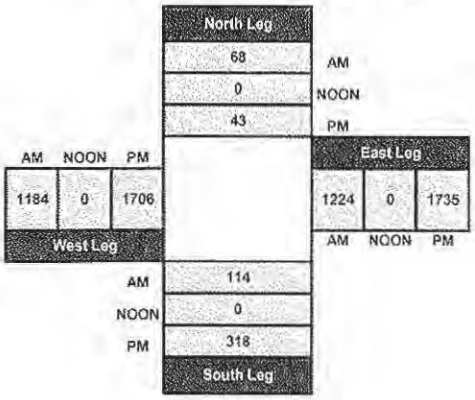
AM Peak Hour	800 AM
NOON Peak Hour	
PM Peak Hour	400 PM

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Total Ins & Outs



Total Volume Per Leg



(15)

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

(15)

City of San Diego
N/S: Rosecrans Street/Camino del Rio W
E/W: Sports Arena Boulevard
Weather: Sunny

File Name : SDCROSAAM
Site Code : 9102028
Start Date : 4/23/2009
Page No : 1

Groups Printed- Total Volume

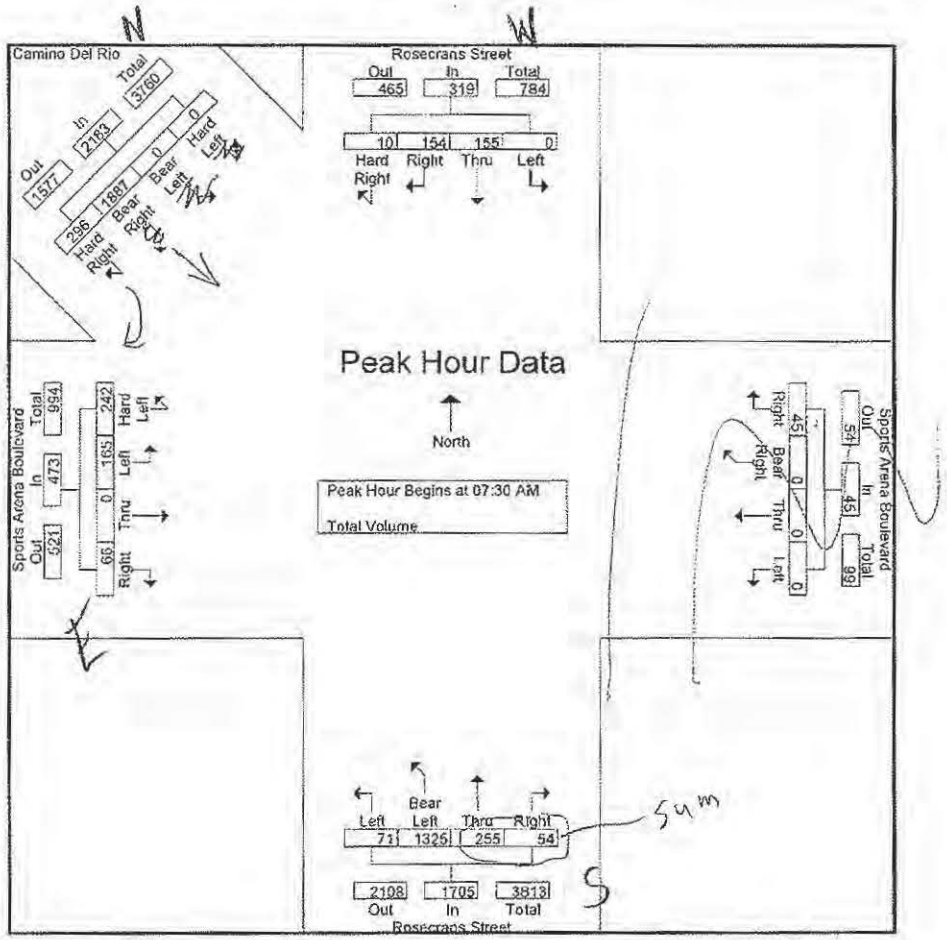
	Rosecrans Street Southbound					Sports Arena Boulevard Westbound					Rosecrans Street Northbound					Sports Arena Boulevard Eastbound					Camino Del Rio Southeastbound					
Start Time	Left	Thru	Right	Hard Right	App. Total	Left	Thru	Bear Right	Right	App. Total	Left	Bear Left	Thru	Right	App. Total	Hard Left	Left	Thru	Right	App. Total	Hard Left	Bear Left	Bear Right	Hard Right	App. Total	Int. Total
06:45 AM	0	22	26	0	48	0	0	0	4	4	18	212	42	10	282	33	30	0	12	75	0	0	415	60	475	884
Total	0	22	26	0	48	0	0	0	4	4	18	212	42	10	282	33	30	0	12	75	0	0	415	60	475	884
07:00 AM	0	25	23	1	49	0	0	0	8	8	20	227	39	4	290	42	30	0	15	87	0	0	504	54	558	992
07:15 AM	0	31	36	1	68	0	0	0	13	13	15	292	57	8	372	53	33	0	9	95	0	0	495	65	560	1108
07:30 AM	0	36	28	2	66	0	0	0	10	10	25	343	56	9	433	80	51	0	17	148	0	0	419	54	473	1130
07:45 AM	0	47	48	3	98	0	0	0	9	9	14	310	67	21	412	54	41	0	18	113	0	0	525	80	605	1237
Total	0	139	135	7	281	0	0	0	40	40	74	1172	219	42	1507	229	155	0	59	443	0	0	1943	253	2196	4467
08:00 AM	0	34	31	1	66	0	0	0	11	11	9	321	74	11	415	58	30	0	13	101	0	0	489	74	563	1156
08:15 AM	0	38	47	4	89	0	0	0	15	15	23	351	58	13	445	50	43	0	18	111	0	0	454	88	542	1202
08:30 AM	0	45	44	4	93	0	0	0	18	18	27	322	64	9	422	62	37	0	16	115	0	0	352	67	419	1067
Grand Total	0	278	283	16	577	0	0	0	88	88	151	2378	457	85	3071	432	295	0	118	845	0	0	3653	542	4195	8776
Apprch %	0	48.2	49	2.8		0	0	0	100		4.9	77.4	14.9	2.8		51.1	34.9	0	14		0	0	87.1	12.9		
Total %	0	3.2	3.2	0.2	6.6	0	0	0	1	1	1.7	27.1	5.2	1	35	4.9	3.4	0	1.3	9.6	0	0	41.6	6.2	47.8	

	Rosecrans Street Southbound					Sports Arena Boulevard Westbound					Rosecrans Street Northbound					Sports Arena Boulevard Eastbound					Camino Del Rio Southeastbound					
Start Time	Left	Thru	Right	Hard Right	App. Total	Left	Thru	Bear Right	Right	App. Total	Left	Bear Left	Thru	Right	App. Total	Hard Left	Left	Thru	Right	App. Total	Hard Left	Bear Left	Bear Right	Hard Right	App. Total	Int. Total
Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 07:30 AM																									
07:30 AM	0	36	28	2	66	0	0	0	10	10	**25**	343	56	9	433	**80**	**51**	0	17	**148**	0	0	419	54	473	1130
07:45 AM	0	**47**	**48**	3	**98**	0	0	0	9	9	14	310	67	**21**	412	54	41	0	**18**	113	0	0	**525**	**80**	**605**	**1237**
08:00 AM	0	34	31	1	66	0	0	0	11	11	9	321	**74**	11	415	58	30	0	13	101	0	0	489	74	563	1156
08:15 AM	0	38	47	4	89	0	0	0	**15**	**15**	23	**351**	58	13	445	50	43	0	18	111	0	0	454	**88**	542	1202
Total Volume	0	155	154	10	319	0	0	0	45	45	71	1325	255	54	1705	242	165	0	66	473	0	0	1887	296	2183	4725
% App. Total	0	48.6	48.3	3.1		0	0	0	100		4.2	77.7	15	3.2		51.2	34.9	0	14		0	0	86.4	13.6		
PHF	.000	.824	.802	.625	.814	.000	.000	.000	.750	.750	.710	.944	.861	.643	.958	.756	.809	.000	.917	.799	.000	.000	.899	.841	.902	.955

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street/Camino del Rio W
E/W: Sports Arena Boulevard
Weather: Sunny

File Name : SDCROSAAM
Site Code : 9102028
Start Date : 4/23/2009
Page No : 2



Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM					07:45 AM					07:30 AM					07:30 AM					07:15 AM				
+0 mins.	0	47	48	3	98	0	0	0	9	9	25	343	56	9	433	80	51	0	17	148	0	0	495	65	560
+15 mins.	0	34	31	1	66	0	0	0	11	11	14	310	67	21	412	54	41	0	18	113	0	0	419	54	473
+30 mins.	0	38	47	4	89	0	0	0	15	15	9	321	74	11	415	58	30	0	13	101	0	0	525	80	605
+45 mins.	0	45	44	4	93	0	0	0	18	18	23	351	58	13	445	50	43	0	18	111	0	0	489	74	563
Total Volume	0	164	170	12	346	0	0	0	53	53	71	1325	255	54	1705	242	165	0	66	473	0	0	1928	273	2201
% App. Total	0	47.4	49.1	3.5		0	0	0	100		4.2	77.7	15	3.2		51.2	34.9	0	14		0	0	87.6	12.4	
PHF	.000	.872	.885	.750	.883	.000	.000	.000	.736	.736	.710	.944	.861	.643	.958	.756	.809	.000	.917	.799	.000	.000	.918	.853	.910

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street/Camino del Rio W
E/W: Sports Arena Boulevard
Weather: Sunny

File Name : SDCROSAMD
Site Code : 9102028
Start Date : 4/29/2009
Page No : 1

Groups Printed- Total Volume

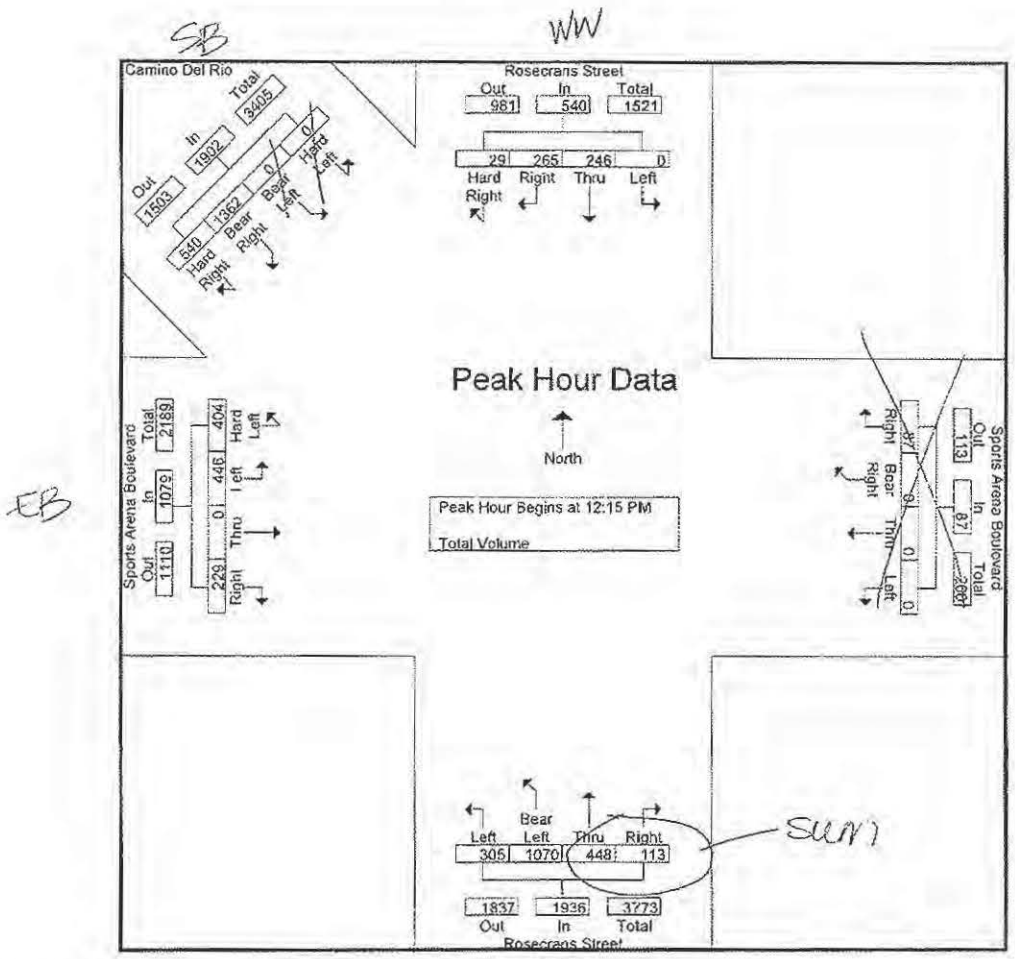
	Rosecrans Street Southbound					Sports Arena Boulevard Westbound					Rosecrans Street Northbound					Sports Arena Boulevard Eastbound					Camino Del Rio Southeastbound					
Start Time	Left	Thru	Right	Hard Right	App. Total	Left	Thru	Beat Right	Right	App. Total	Left	Beat Left	Thru	Right	App. Total	Hard Left	Left	Thru	Right	App. Total	Hard Left	Beat Left	Beat Right	Hard Right	App. Total	Int. Total
11:30 AM	0	55	87	6	148	0	0	0	25	25	81	228	100	26	435	86	79	0	48	213	0	0	328	132	460	1281
11:45 AM	0	47	93	7	147	0	0	0	23	23	79	246	104	18	447	84	86	0	53	223	0	0	377	161	538	1378
Total	0	102	180	13	295	0	0	0	48	48	160	474	204	44	882	170	165	0	101	436	0	0	705	293	998	2659
12:00 PM	0	73	90	2	165	0	0	0	19	19	71	252	99	9	431	93	105	0	59	257	0	0	328	146	474	1346
12:15 PM	0	66	70	7	143	0	0	0	17	17	93	231	105	23	452	78	93	0	68	239	0	0	353	159	512	1363
12:30 PM	0	54	68	2	124	0	0	0	22	22	77	299	122	27	525	110	115	0	54	279	0	0	344	132	476	1426
12:45 PM	0	52	56	10	118	0	0	0	23	23	75	241	116	38	470	95	105	0	43	243	0	0	339	119	458	1312
Total	0	245	284	21	550	0	0	0	81	81	316	1023	442	97	1878	376	418	0	224	1018	0	0	1364	556	1920	5447
01:00 PM	0	74	71	10	155	0	0	0	25	25	60	299	105	25	489	121	133	0	64	318	0	0	326	130	456	1443
01:15 PM	0	51	61	5	117	0	0	0	21	21	48	221	94	18	381	87	122	0	41	250	0	0	330	119	449	1218
Grand Total	0	472	596	49	1117	0	0	0	175	175	584	2017	845	184	3630	754	838	0	430	2022	0	0	2725	1098	3823	10767
Apprch %	0	42.3	53.4	4.4		0	0	0	100		16.1	55.6	23.3	5.1		37.3	41.4	0	21.3		0	0	71.3	28.7		
Total %	0	4.4	5.5	0.5	10.4	0	0	0	1.6	1.6	5.4	18.7	7.8	1.7	33.7	7	7.8	0	4	18.8	0	0	25.3	10.2	35.5	

	Rosecrans Street Southbound					Sports Arena Boulevard Westbound					Rosecrans Street Northbound					Sports Arena Boulevard Eastbound					Camino Del Rio Southeastbound					
Start Time	Left	Thru	Right	Hard Right	App. Total	Left	Thru	Beat Right	Right	App. Total	Left	Beat Left	Thru	Right	App. Total	Hard Left	Left	Thru	Right	App. Total	Hard Left	Beat Left	Beat Right	Hard Right	App. Total	Int. Total
Peak Hour Analysis From 11:30 AM to 01:15 PM - Peak 1 of 1																										
Peak Hour for Entire Intersection Begins at 12:15 PM																										
12:15 PM	0	66	70	7	143	0	0	0	17	17	93	231	105	23	452	78	93	0	68	239	0	0	353	159	512	1363
12:30 PM	0	54	68	2	124	0	0	0	22	22	77	299	122	27	525	110	115	0	54	279	0	0	344	132	476	1426
12:45 PM	0	52	56	10	118	0	0	0	23	23	75	241	116	38	470	95	105	0	43	243	0	0	339	119	458	1312
01:00 PM	0	74	71	10	155	0	0	0	25	25	60	299	105	25	489	121	133	0	64	318	0	0	326	130	456	1443
Total Volume	0	246	265	29	540	0	0	0	87	87	305	1070	448	113	1936	404	446	0	229	1079	0	0	1362	540	1902	5544
% App. Total	0	45.6	49.1	5.4		0	0	0	100		15.8	55.3	23.1	5.8		37.4	41.3	0	21.2		0	0	71.6	28.4		
PHF	.000	.831	.933	.725	.871	.000	.000	.000	.870	.870	.820	.895	.918	.743	.922	.835	.838	.000	.842	.848	.000	.000	.965	.849	.929	.960

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street/Camino del Rio W
E/W: Sports Arena Boulevard
Weather: Sunny

File Name : SDCROSAMD
Site Code : 9102028
Start Date : 4/29/2009
Page No : 2



Peak Hour Analysis From 11:30 AM to 01:15 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	11:30 AM					12:30 PM					12:15 PM					12:30 PM					11:45 AM				
+0 mins.	0	55	87	6	148	0	0	0	22	22	93	231	105	23	452	110	115	0	54	279	0	0	377	161	538
+15 mins.	0	47	93	7	147	0	0	0	23	23	77	299	122	27	525	95	105	0	43	243	0	0	328	146	474
+30 mins.	0	73	90	2	165	0	0	0	25	25	75	241	116	38	470	121	133	0	64	318	0	0	353	159	512
+45 mins.	0	66	70	7	143	0	0	0	21	21	60	299	105	25	489	87	122	0	41	250	0	0	344	132	476
Total Volume	0	241	340	22	603	0	0	0	91	91	305	1070	448	113	1936	413	475	0	202	1090	0	0	1402	598	2000
% App. Total	0	40	56.4	3.6		0	0	0	100		15.8	55.3	23.1	5.8		37.9	43.6	0	18.5		0	0	70.1	29.9	
PHF	.000	.825	.914	.786	.914	.000	.000	.000	.910	.910	.820	.895	.918	.743	.922	.853	.893	.000	.789	.857	.000	.000	.930	.929	.929

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street/Camino del Rio W
E/W: Sports Arena Boulevard
Weather: Sunny

File Name : SDCROSAPM
Site Code : 9102028
Start Date : 4/23/2009
Page No : 1

Groups Printed- Total Volume

	Rosecrans Street Southbound					Sports Arena Boulevard Westbound					Rosecrans Street Northbound					Sports Arena Boulevard Eastbound					Camino Del Rio Southeastbound					
Start Time	Left	Thru	Right		App. Total	Left	Thru		Right	App. Total	Left		Thru	Right	App. Total		Left	Thru	Right	App. Total					App. Total	Int. Total
04:00 PM	0	47	67	9	123	0	0	0	29	29	50	417	101	17	585	117	81	0	46	244	0	0	384	134	518	1499
04:15 PM	0	60	83	5	148	0	0	0	45	45	60	488	90	21	659	82	84	0	34	200	0	0	403	104	507	1559
04:30 PM	0	51	87	7	145	0	0	0	47	47	54	407	106	18	585	85	78	0	30	193	0	0	368	129	497	1467
04:45 PM	0	55	53	8	116	0	0	0	35	35	58	430	98	19	605	100	90	0	48	238	0	0	425	136	561	1555
Total	0	213	290	29	532	0	0	0	156	156	222	1742	395	75	2434	384	333	0	158	875	0	0	1580	503	2083	6080
05:00 PM	0	61	62	7	130	0	0	0	38	38	62	387	109	12	570	92	78	0	49	219	0	0	397	165	562	1519
05:15 PM	0	74	67	5	146	0	0	0	37	37	74	433	92	12	611	87	81	0	40	208	0	0	407	148	555	1557
05:30 PM	0	61	80	6	147	0	0	0	24	24	80	392	93	7	572	93	89	0	46	228	0	0	392	138	530	1501
05:45 PM	0	62	74	9	145	0	0	0	24	24	63	338	83	16	500	87	85	0	51	223	0	0	381	134	515	1407
Total	0	258	283	27	568	0	0	0	123	123	279	1550	377	47	2253	359	333	0	186	878	0	0	1577	585	2162	5984
Grand Total	0	471	573	56	1100	0	0	0	279	279	501	3292	772	122	4687	743	666	0	344	1753	0	0	3157	1088	4245	12064
Apprch %	0	42.8	52.1	5.1		0	0	0	100		10.7	70.2	16.5	2.6		42.4	38	0	19.6		0	0	74.4	25.6		
Total %	0	3.9	4.7	0.5	9.1	0	0	0	2.3	2.3	4.2	27.3	6.4	1	38.9	6.2	5.5	0	2.9	14.5	0	0	26.2	9	35.2	

	Rosecrans Street Southbound					Sports Arena Boulevard Westbound					Rosecrans Street Northbound					Sports Arena Boulevard Eastbound					Camino Del Rio Southeastbound					
Start Time	Left	Thru	Right		App. Total	Left	Thru		Right	App. Total	Left		Thru	Right	App. Total		Left	Thru	Right	App. Total					App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																										
Peak Hour for Entire Intersection Begins at 04:45 PM																										
04:45 PM	0	55	53	**8**	116	0	0	0	35	35	58	430	98	**19**	605	**100**	**90**	0	48	**238**	0	0	**425**	136	561	1555
05:00 PM	0	61	62	7	130	0	0	0	**38**	**38**	62	387	**109**	12	570	92	78	0	**49**	219	0	0	397	**165**	**562**	1519
05:15 PM	0	74	67	5	146	0	0	0	37	37	74	**433**	92	12	**611**	87	81	0	40	208	0	0	407	148	555	**1557**
05:30 PM	0	61	**80**	6	**147**	0	0	0	24	24	**80**	392	93	7	572	93	89	0	46	228	0	0	392	138	530	1501
Total Volume	0	251	262	26	539	0	0	0	134	134	274	1642	392	50	2358	372	338	0	183	893	0	0	1621	587	2208	6132
% App. Total	0	46.6	48.6	4.8		0	0	0	100		11.6	69.6	16.6	2.1		41.7	37.8	0	20.5		0	0	73.4	26.6		
PHF	.000	.848	.819	.813	.917	.000	.000	.000	.882	.882	.856	.948	.899	.658	.965	.930	.939	.000	.934	.938	.000	.000	.954	.889	.982	.985

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street/Camino del Rio W
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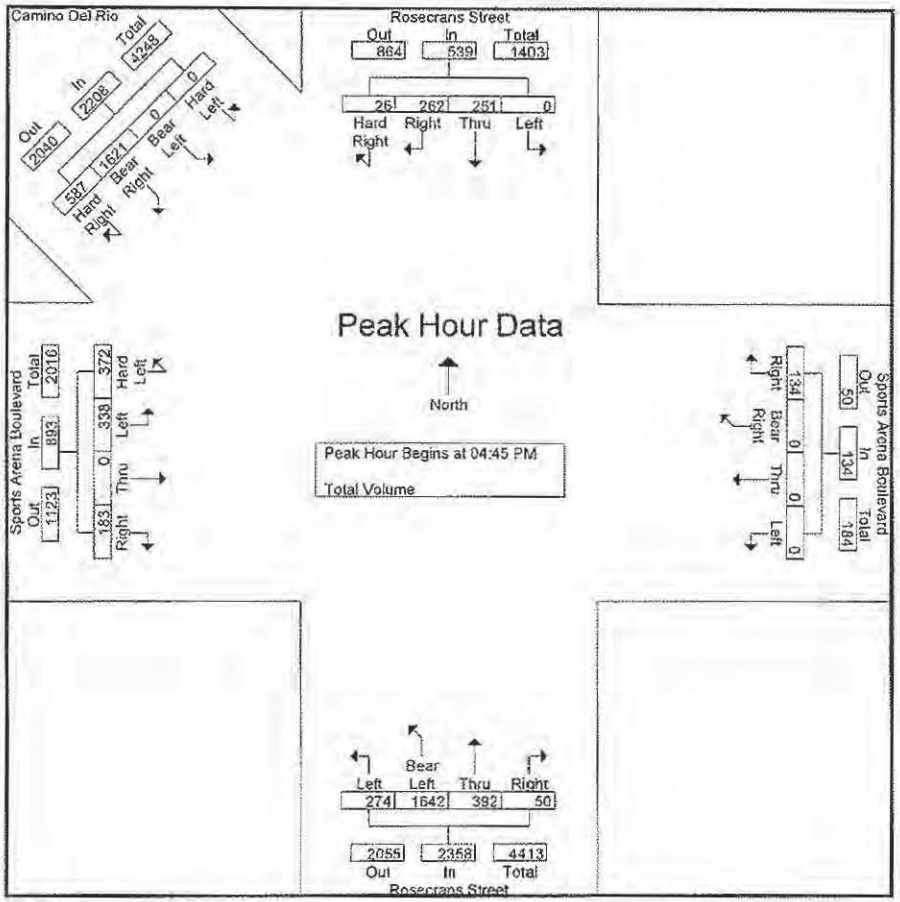
Weather: Sunny

File Name : SDCROSAPM
Site Code : 9102028
Start Date : 4/23/2009
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM					04:15 PM					04:00 PM					04:45 PM					04:45 PM				
+0 mins.	0	61	62	7	130	0	0	0	45	45	50	417	101	17	585	**100**	**90**	0	48	**238**	0	0	425	136	561
+15 mins.	0	**74**	67	5	146	0	0	0	**47**	**47**	**60**	488	90	**21**	**659**	92	78	0	**49**	219	0	0	397	**165**	562
+30 mins.	0	61	**80**	6	**147**	0	0	0	35	35	54	407	**106**	18	585	87	81	0	40	208	0	0	407	148	555
+45 mins.	0	62	74	9	145	0	0	0	38	38	58	430	98	19	605	93	89	0	46	228	0	0	392	138	530
Total Volume	0	258	283	27	568	0	0	0	165	165	222	1742	395	75	2434	372	338	0	183	893	0	0	1621	587	2208
% App. Total	0	45.4	49.8	4.8		0	0	0	100		9.1	71.6	16.2	3.1		41.7	37.8	0	20.5		0	0	73.4	26.6	
PHF	.000	.872	.884	.750	.966	.000	.000	.000	.878	.878	.925	.892	.932	.893	.923	.930	.939	.000	.934	.938	.000	.000	.954	.889	.982

(17)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_012 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

AM

NS/EW Streets:	Pacific Hwy			Pacific Hwy			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM		134			120	3			2				259
7:15 AM		137			103	5			7				252
7:30 AM		130			110	3			3				246
7:45 AM		182			135	5			10				332
8:00 AM		183			156	4			10				353
8:15 AM		175			134	6			7				322
8:30 AM		138			143	9			10				300
8:45 AM		147			130	6			14				297
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	1226	0	0	1031	41	0	0	63	0	0	0	2361
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	96.18%	3.82%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	0	678	0	0	568	24	0	0	37	0	0	0	1307
PEAK HR FACTOR :		0.926			0.925			0.925			0.000		0.926

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_012 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

PM

NS/EW Streets:	Pacific Hwy			Pacific Hwy			Sports Arena Blvd			Sports Arena Blvd			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM		228			224	4			32				488
4:15 PM		210			202	6			26				444
4:30 PM		211			222	3			30				466
4:45 PM		203			196	6			29				434
5:00 PM		206			234	7			33				480
5:15 PM		190			181	1			32				404
5:30 PM		142			171	3			22				338
5:45 PM		125			180	2			13				320
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	1515	0	0	1610	32	0	0	217	0	0	0	3374
APPROACH %'s :	0.00%	100.00%	0.00%	0.00%	98.05%	1.95%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	400 PM												TOTAL
PEAK HR VOL :	0	852	0	0	844	19	0	0	117	0	0	0	1832
PEAK HR FACTOR :		0.934			0.946			0.914			0.000		0.939

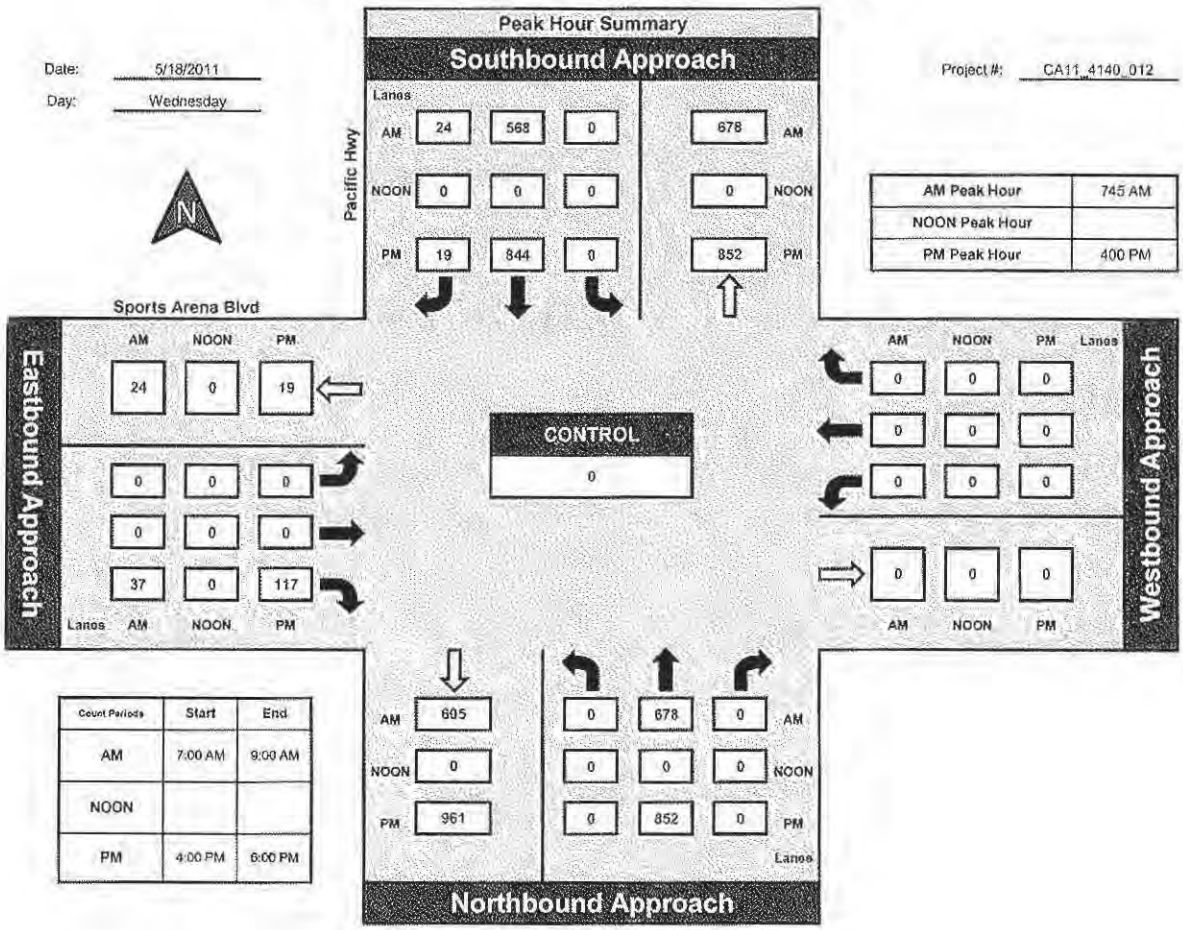
CONTROL :

ITM Peak Hour Summary

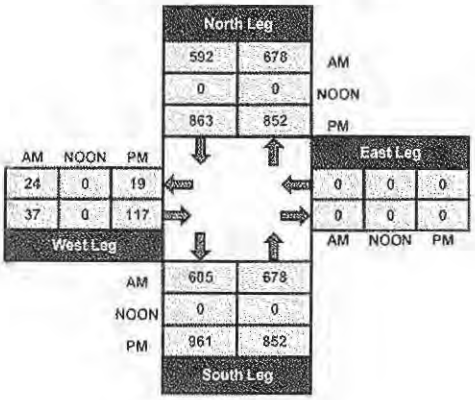
Prepared by:

National Data & Surveying Services

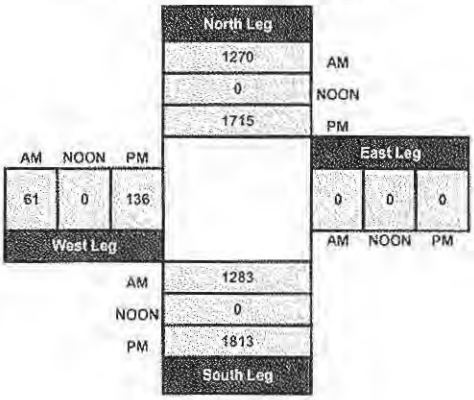
Pacific Hwy and Sports Arena Blvd , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(18)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_013 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Kurtz St			Kurtz St			Hancock St			Hancock St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	0					5	0		0	0	6		11
7:15 AM	1					18	0		1	10	28		58
7:30 AM	13					18	0		1	13	32		77
7:45 AM	10					19	0		1	5	32		67
8:00 AM	10					25	0		1	16	38		90
8:15 AM	9					20	0		1	6	36		72
8:30 AM	17					14	1		2	12	30		76
8:45 AM	9					18	0		0	13	26		66

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	69	0	0	0	0	137	1	0	7	75	228	0	517
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	12.50%	0.00%	87.50%	24.75%	75.25%	0.00%	

PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	42	0	0	0	0	82	0	0	4	40	138	0	306
PEAK HR FACTOR :	0.808			0.820			1.000			0.824			0.850

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_013 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Kurtz St			Kurtz St			Hancock St			Hancock St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	8					13	1		0	0	21		43
4:15 PM	22					32	5		7	3	42		111
4:30 PM	22					34	2		6	2	46		112
4:45 PM	9					23	3		3	3	41		82
5:00 PM	13					32	3		7	0	40		95
5:15 PM	11					22	1		10	0	43		87
5:30 PM	10					16	2		8	1	26		63
5:45 PM	11					13	2		12	0	32		70

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	106	0	0	0	0	185	19	0	53	9	291	0	663
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	26.39%	0.00%	73.61%	3.00%	97.00%	0.00%	

PEAK HR START TIME :	415 PM												TOTAL
PEAK HR VOL :	66	0	0	0	0	121	13	0	23	8	169	0	400
PEAK HR FACTOR :	0.750			0.890			0.750			0.922			0.893

CONTROL :

ITM Peak Hour Summary

Prepared by:

NDS

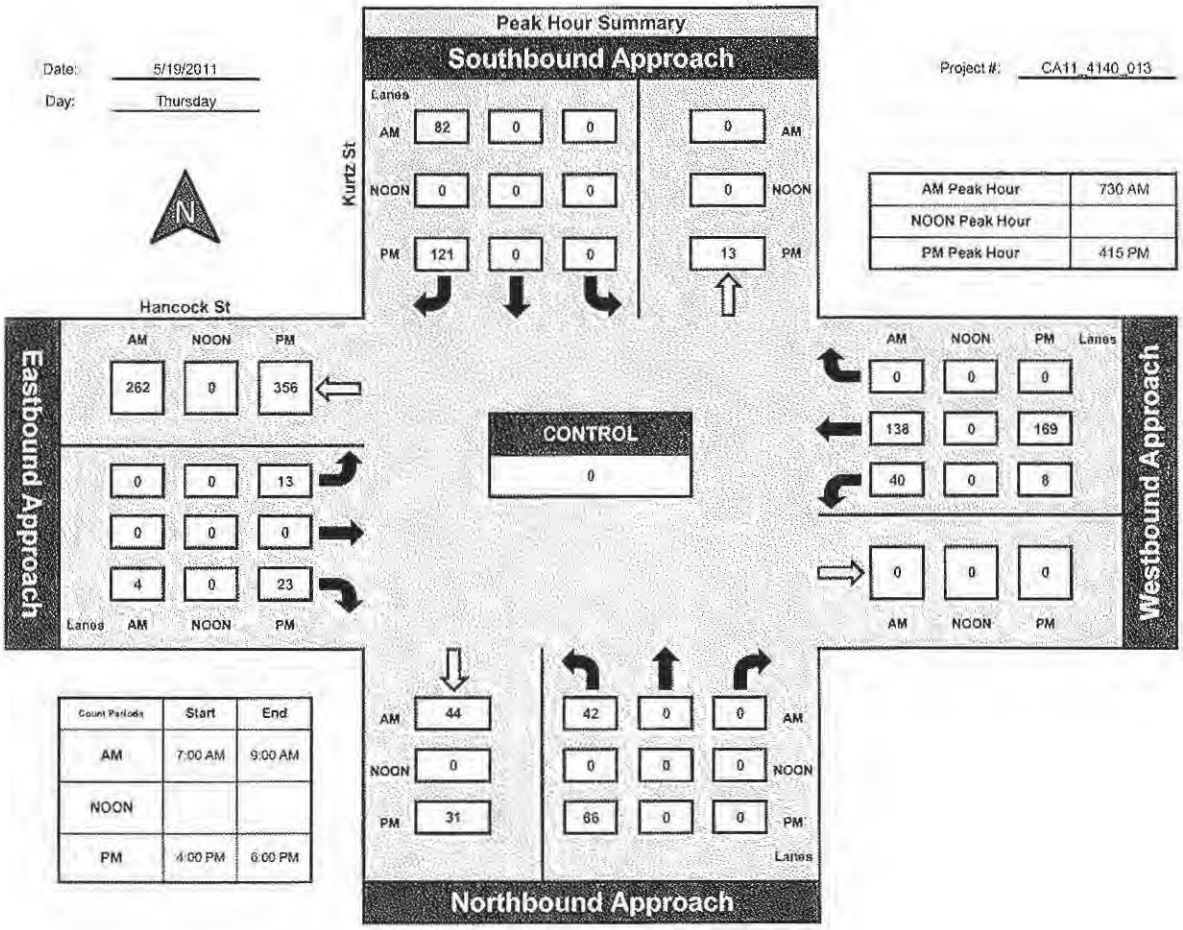
National Data & Surveying Services

Kurtz St and Hancock St , City of San Diego

Date: 5/19/2011

Day: Thursday

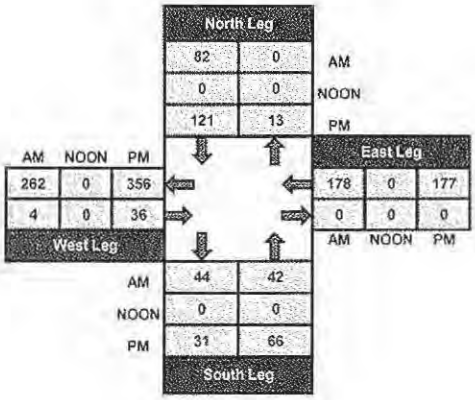
Project #: CA11_4140_013



AM Peak Hour	730 AM
NOON Peak Hour	
PM Peak Hour	415 PM

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Total Ins & Outs



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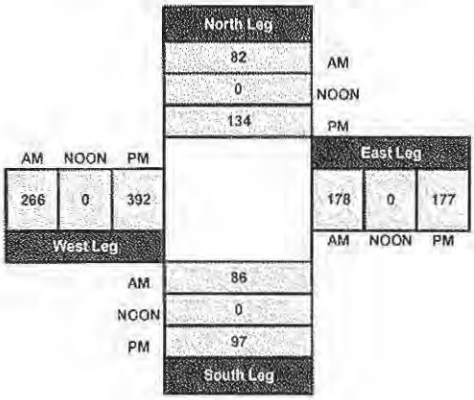


(19)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_014 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Camino Del Rio W			Camino Del Rio W			Kurtz St			Kurtz St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM			3	0			1						4
7:15 AM			2	3			0						5
7:30 AM			1	1			3						5
7:45 AM			2	1			3						6
8:00 AM			1	4			1						6
8:15 AM			2	3			3						8
8:30 AM			3	3			3						9
8:45 AM			3	2			3						8
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	17	17	0	0	17	0	0	0	0	0	51
APPROACH %'s :	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	0	9	12	0	0	10	0	0	0	0	0	31
PEAK HR FACTOR :		0.750			0.750			0.833			0.000		0.861

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_014 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Camino Del Rio W			Camino Del Rio W			Kurtz St			Kurtz St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM			4	2			3						9
4:15 PM			0	3			2						5
4:30 PM			2	1			1						4
4:45 PM			3	0			3						6
5:00 PM			2	1			2						5
5:15 PM			2	0			0						2
5:30 PM			2	1			0						3
5:45 PM			1	0			1						2

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	16	8	0	0	12	0	0	0	0	0	36
APPROACH %'s :	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	

PEAK HR START TIME :	400 PM												TOTAL
PEAK HR VOL :	0	0	9	6	0	0	9	0	0	0	0	0	24
PEAK HR FACTOR :	0.563			0.500			0.750			0.000			0.667

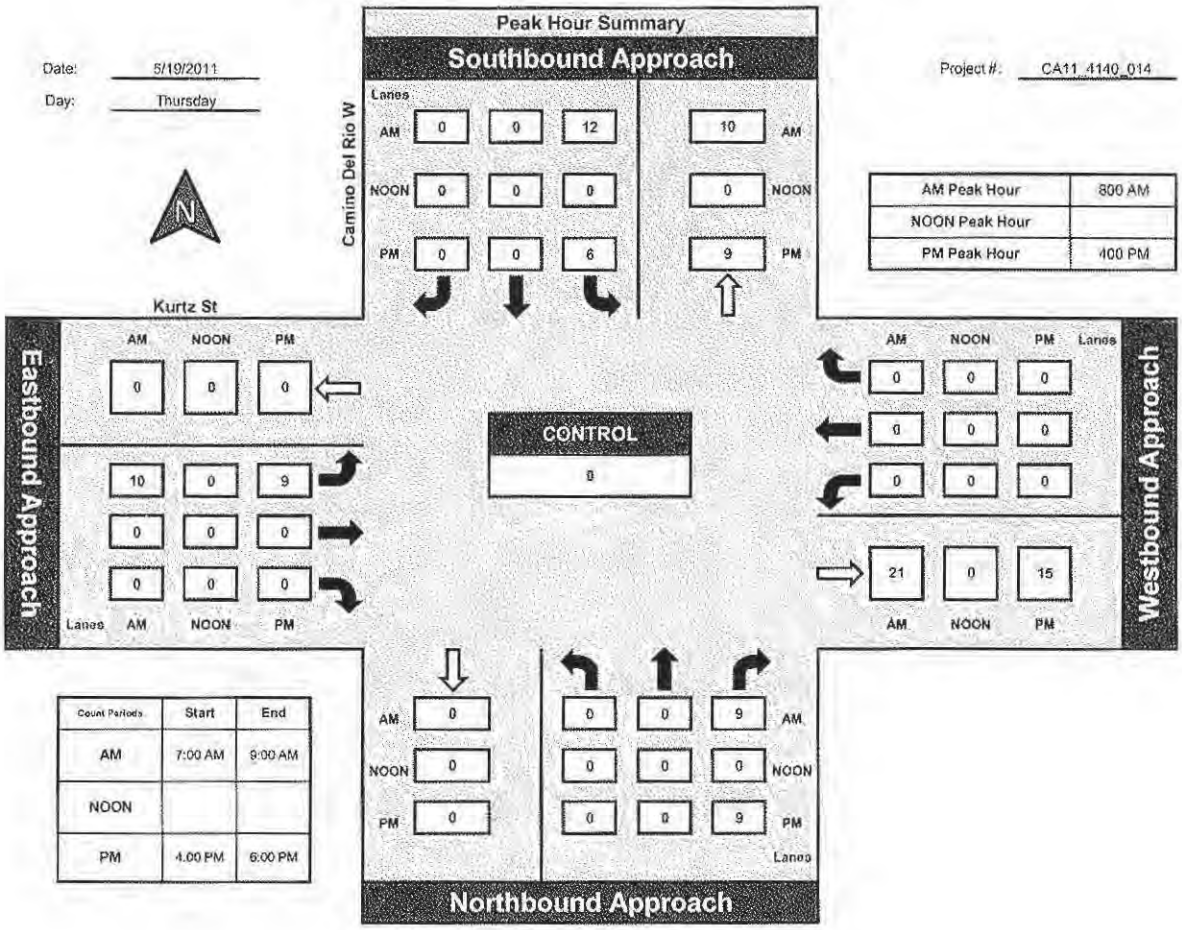
CONTROL :

ITM Peak Hour Summary

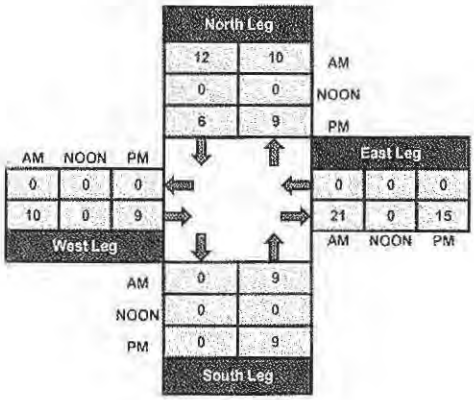
Prepared by:

National Data & Surveying Services

Camino Del Rio W and Kurtz St , City of San Diego



Total Ins & Outs



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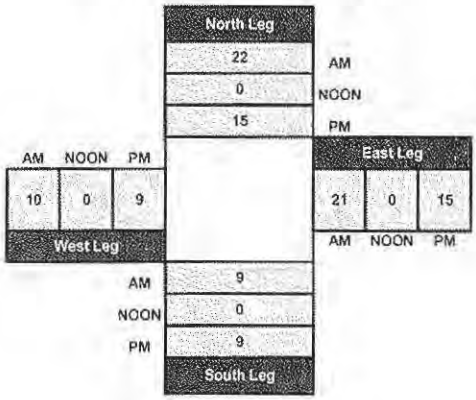


(19)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_014 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Camino Del Rio W			Camino Del Rio W			Kurtz St			Kurtz St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM				2									2
7:15 AM				1									1
7:30 AM				1									1
7:45 AM				2									2
8:00 AM				2									2
8:15 AM				4									4
8:30 AM				2									2
8:45 AM				3									3
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	17	0	0	0	0	0	0	0	0	17
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	100.00%	0.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	800 AM												TOTAL
PEAK HR VOL :	0	0	0	11	0	0	0	0	0	0	0	0	11
PEAK HR FACTOR :	0.000			0.688			0.000			0.000			0.688

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_014 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Camino Del Rio W			Camino Del Rio W			Kurtz St			Kurtz St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM				5									5
4:15 PM				2									2
4:30 PM				3									3
4:45 PM				6									6
5:00 PM				0									
5:15 PM				3									3
5:30 PM				5									5
5:45 PM				4									4
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	28	0	0	0	0	0	0	0	0	28
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	100.00%	0.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	400 PM												TOTAL
PEAK HR VOL :	0	0	0	16	0	0	0	0	0	0	0	0	16
PEAK HR FACTOR :		0.000			0.667			0.000			0.000		0.667

CONTROL :

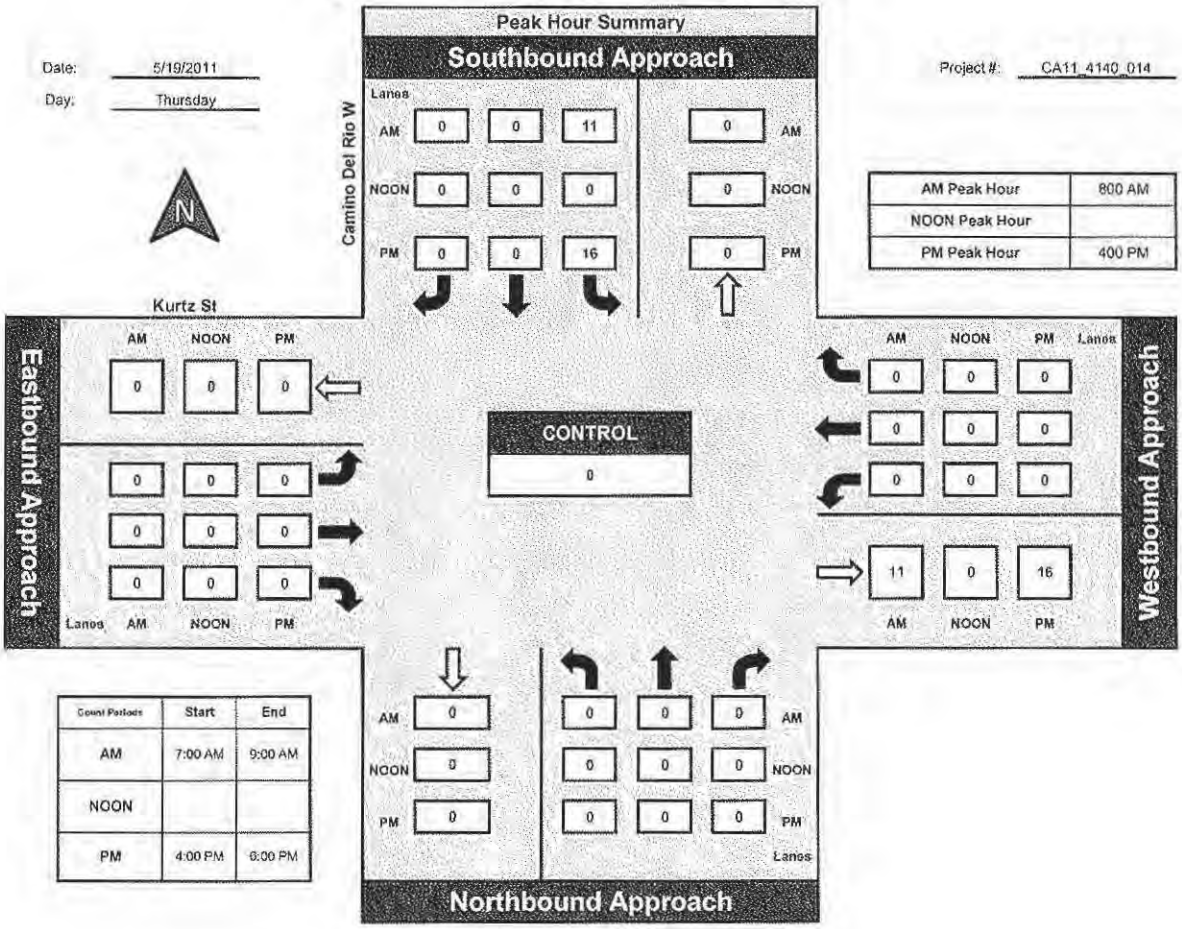
ITM Peak Hour Summary

Prepared by:

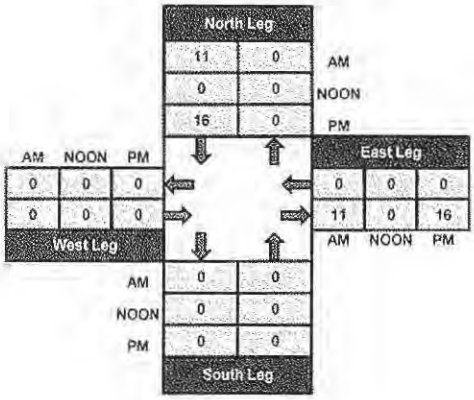
NDS

National Data & Surveying Services

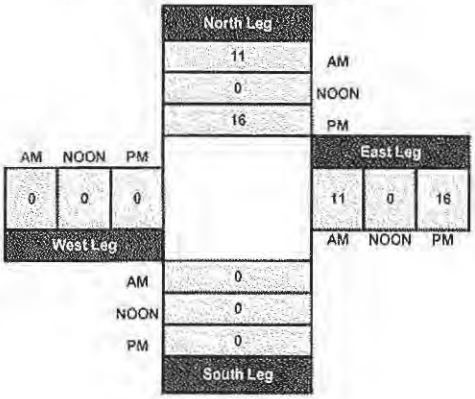
Camino Del Rio W and Kurtz St , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(19)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_014 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

AM

NS/EW Streets:	Camino Del Rio W			Camino Del Rio W			Kurtz St			Kurtz St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM		217	1	12	475		26	6	6				743
7:15 AM		330	2	8	521		18	13	9				901
7:30 AM		425	1	17	498		28	17	5				991
7:45 AM		386	5	5	524		22	15	17				974
8:00 AM		348	2	13	562		23	26	11				985
8:15 AM		427	4	18	468		25	20	8				970
8:30 AM		422	5	25	488		32	17	9				998
8:45 AM		368	4	23	479		38	23	18				953
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	2923	24	121	4015	0	212	137	83	0	0	0	7515
APPROACH %'s :	0.00%	99.19%	0.81%	2.93%	97.07%	0.00%	49.07%	31.71%	19.21%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	0	1583	16	61	2042	0	102	78	45	0	0	0	3927
PEAK HR FACTOR :		0.927			0.914			0.938			0.000		0.984

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_014 **Day:** THURSDAY

City: City of San Diego **Date:** 5/19/2011

PM

NS/EW Streets:	Camino Del Rio W			Camino Del Rio W			Kurtz St			Kurtz St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM		500	3	22	447		68	36	14				1090
4:15 PM		547	2	22	510		67	34	21				1203
4:30 PM		553	2	19	466		82	41	16				1179
4:45 PM		495	8	20	498		63	51	21				1156
5:00 PM		506	2	8	529		74	51	17				1187
5:15 PM		489	2	9	531		67	36	20				1154
5:30 PM		417	11	9	507		62	23	12				1041
5:45 PM		438	2	13	563		42	31	12				1101

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	3945	32	122	4051	0	525	303	133	0	0	0	9111
APPROACH %'s :	0.00%	99.20%	0.80%	2.92%	97.08%	0.00%	54.63%	31.53%	13.84%	#DIV/0!	#DIV/0!	#DIV/0!	

PEAK HR START TIME :	415 PM												TOTAL
PEAK HR VOL :	0	2101	14	69	2003	0	286	177	75	0	0	0	4725
PEAK HR FACTOR :		0.953			0.965			0.947			0.000		0.982

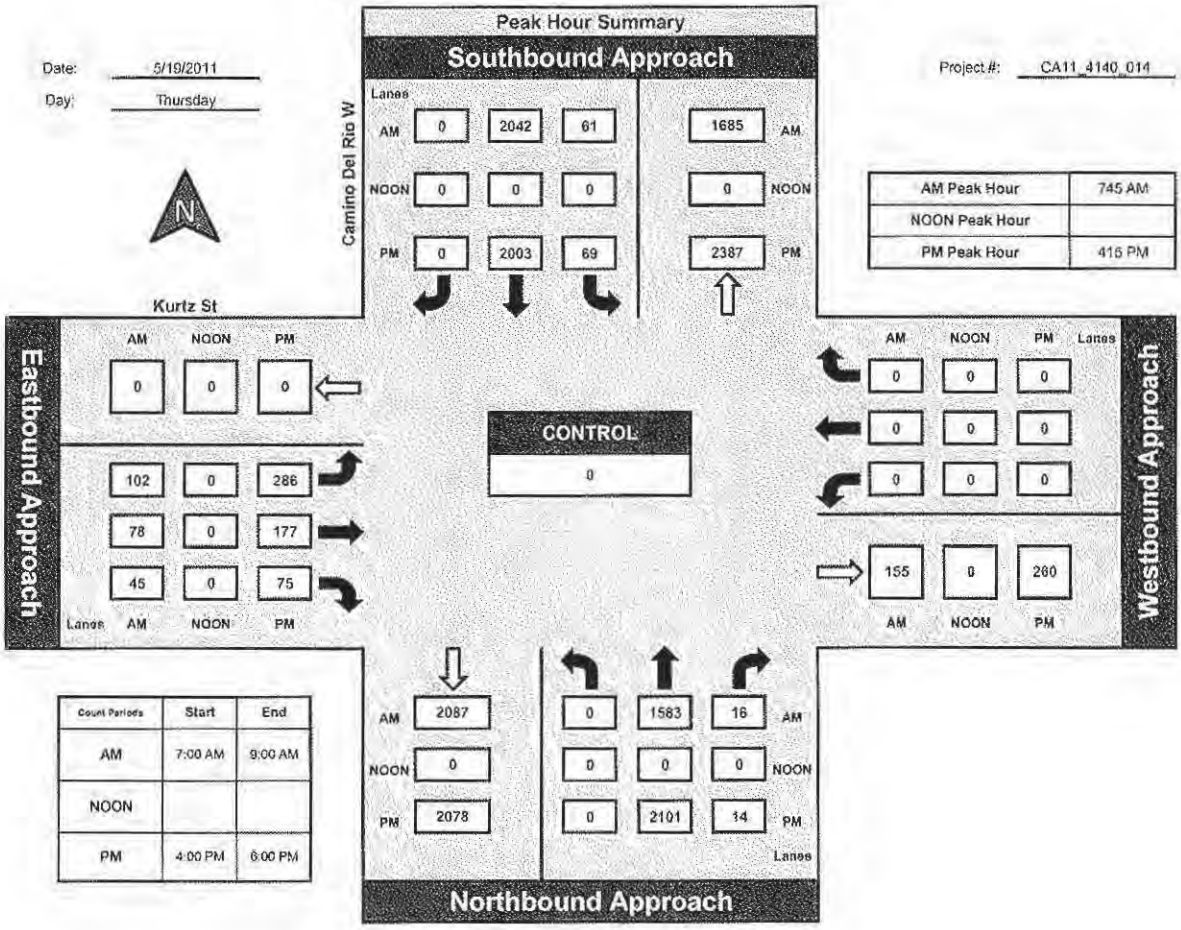
CONTROL :

ITM Peak Hour Summary

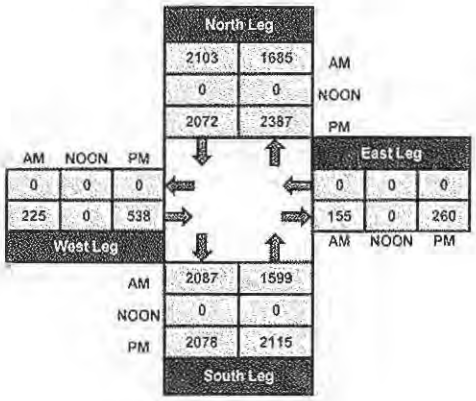
Prepared by:

National Data & Surveying Services

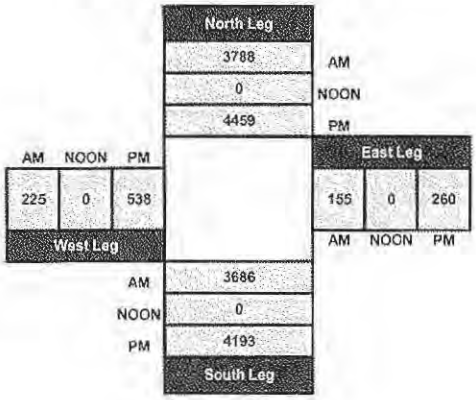
Camino Del Rio W and Kurtz St , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(20)

6

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Kurtz Street
Weather: Sunny

File Name : SDCROKUAM
Site Code : 9102003
Start Date : 4/23/2009
Page No : 1

Groups Printed- Total Volume

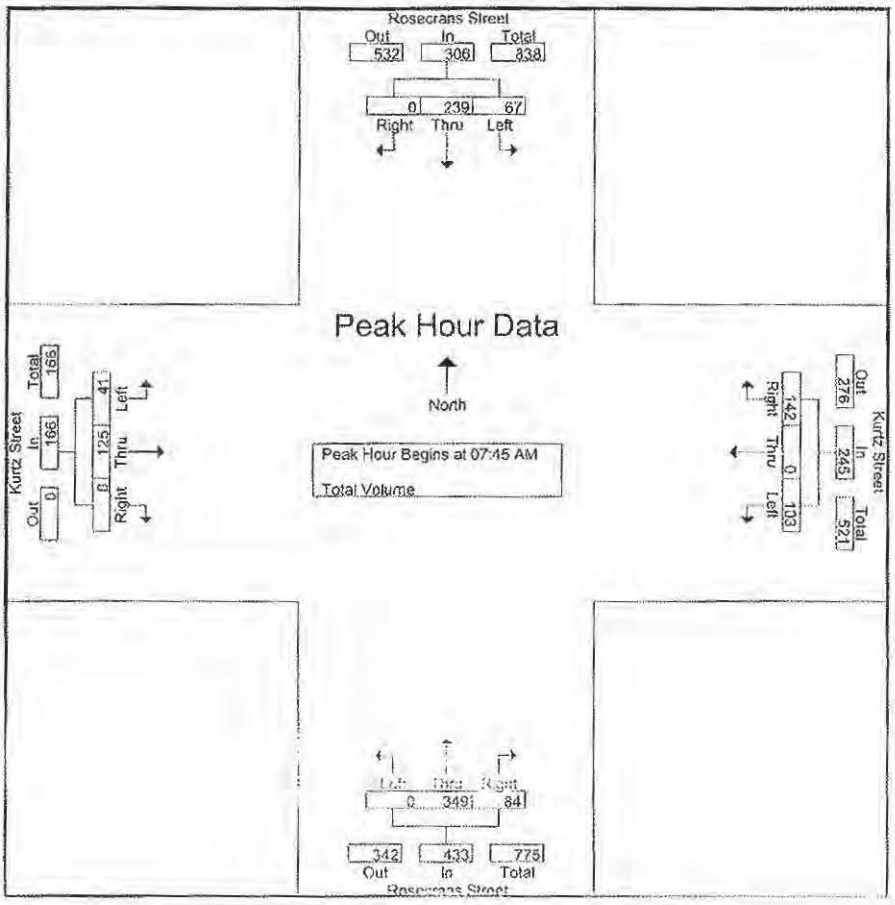
	Rosecrans Street Southbound				Kurtz Street Westbound				Rosecrans Street Northbound				Kurtz Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:45 AM	21	24	0	45	23	0	38	61	0	57	20	77	8	27	0	35	218
Total	21	24	0	45	23	0	38	61	0	57	20	77	8	27	0	35	218
07:00 AM	18	36	0	54	17	0	28	45	0	50	23	73	6	26	0	32	204
07:15 AM	28	42	0	70	19	0	33	52	0	68	22	90	4	31	0	35	247
07:30 AM	19	58	0	77	16	0	35	51	0	77	29	106	10	35	0	45	279
07:45 AM	20	70	0	90	21	0	35	56	0	92	19	111	10	26	0	36	293
Total	85	206	0	291	73	0	131	204	0	287	93	380	30	118	0	148	1023
08:00 AM	18	44	0	62	18	0	38	56	0	80	23	103	11	26	0	37	258
08:15 AM	15	61	0	76	36	0	38	74	0	91	20	111	12	42	0	54	315
08:30 AM	14	64	0	78	28	0	31	59	0	86	22	108	8	31	0	39	284
Grand Total	153	399	0	552	178	0	276	454	0	601	178	779	69	244	0	313	2098
Apprch %	27.7	72.3	0		39.2	0	60.8		0	77.2	22.8		22	78	0		
Total %	7.3	19	0	26.3	8.5	0	13.2	21.6	0	28.6	8.5	37.1	3.3	11.6	0	14.9	

	Rosecrans Street Southbound				Kurtz Street Westbound				Rosecrans Street Northbound				Kurtz Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:45 AM																	
07:45 AM	20	70	0	90	21	0	35	56	0	92	19	111	10	26	0	36	293
08:00 AM	18	44	0	62	18	0	38	56	0	80	23	103	11	26	0	37	258
08:15 AM	15	61	0	76	36	0	38	74	0	91	20	111	12	42	0	54	315
08:30 AM	14	64	0	78	28	0	31	59	0	86	22	108	8	31	0	39	284
Total Volume	67	239	0	306	103	0	142	245	0	349	84	433	41	125	0	166	1150
% App. Total	21.9	78.1	0		42	0	58		0	80.6	19.4		24.7	75.3	0		
PHF	.838	.854	.000	.850	.715	.000	.934	.829	.000	.946	.913	.975	.854	.744	.000	.771	.913

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Kurtz Street
Weather: Sunny

File Name : SDCROKUAM
Site Code : 9102003
Start Date : 4/23/2009
Page No : 2



Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM				07:45 AM				07:45 AM				07:45 AM			
+0 mins.	20	70	0	90	21	0	35	56	0	92	19	111	10	35	0	45
+15 mins.	18	68	0	62	18	0	38	56	0	80	23	103	10	26	0	36
+30 mins.	15	61	0	76	36	0	38	74	0	91	20	111	11	26	0	37
+45 mins.	14	61	0	78	28	0	31	59	0	86	22	108	12	42	0	54
Total Volume	67	239	0	306	103	0	142	245	0	349	84	433	43	129	0	172
% App. Total	21.9	78.1	0		42	0	58		0	80.6	19.4		25	75	0	
PHF	.838	.854	.000	.850	.715	.000	.934	.828	.000	.948	.913	.975	.896	.768	.000	.796

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Kurtz Street
Weather: Sunny

File Name : SDCROKUPM
Site Code : 9102003
Start Date : 4/23/2009
Page No : 1

Groups Printed- Total Volume

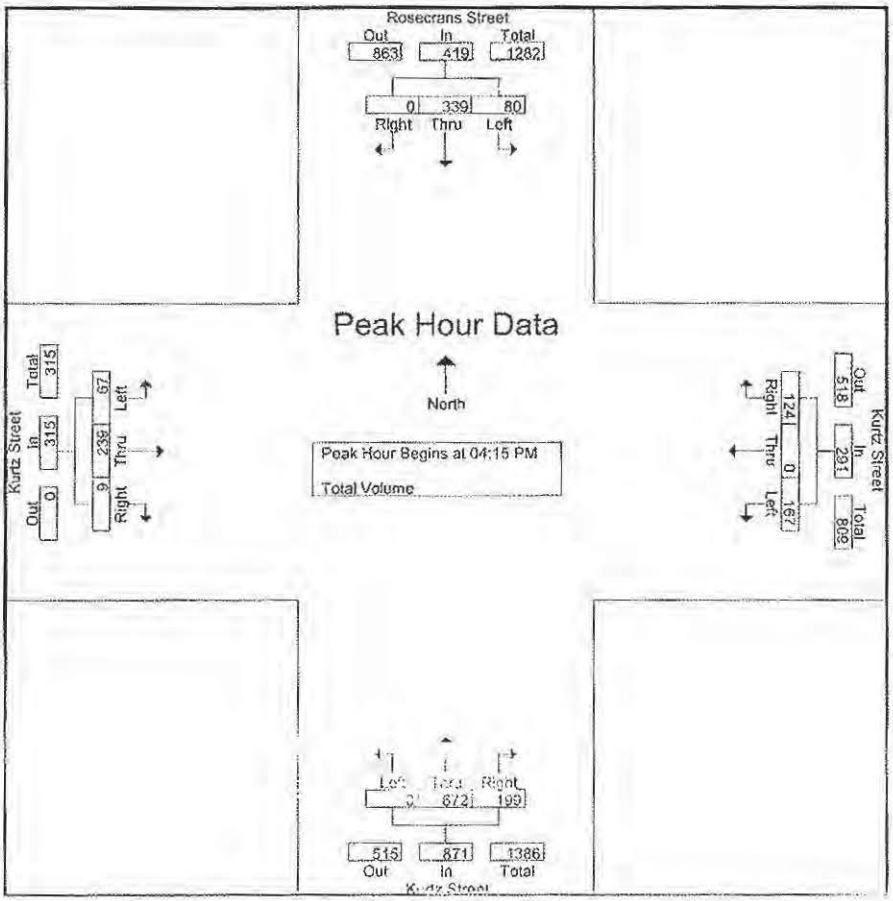
	Rosecrans Street Southbound				Kurtz Street Westbound				Kurtz Street Northbound				Kurtz Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	19	88	0	107	34	0	32	66	0	167	48	215	12	60	3	75	463
04:15 PM	15	98	0	113	49	0	36	85	0	165	51	216	12	60	2	74	488
04:30 PM	23	86	0	109	51	0	25	76	0	152	59	211	12	53	2	67	463
04:45 PM	28	70	0	98	36	0	39	75	0	176	47	223	24	55	1	80	476
Total	85	342	0	427	170	0	132	302	0	660	205	865	60	228	8	296	1890
05:00 PM	14	85	0	99	31	0	24	55	0	179	42	221	19	71	4	94	469
05:15 PM	10	93	0	103	40	0	35	75	0	150	47	197	15	44	4	63	438
05:30 PM	17	100	0	117	36	0	27	63	0	151	49	200	23	40	2	65	445
05:45 PM	11	105	0	116	45	0	20	65	0	133	45	178	12	35	3	50	409
Total	52	383	0	435	152	0	106	258	0	613	183	796	69	190	13	272	1761
Grand Total	137	725	0	862	322	0	238	560	0	1273	388	1661	129	418	21	568	3651
Apprch %	15.9	84.1	0		57.5	0	42.5		0	76.6	23.4		22.7	73.6	3.7		
Total %	3.8	19.9	0	23.6	8.8	0	6.5	15.3	0	34.9	10.6	45.5	3.5	11.4	0.6	15.6	

	Rosecrans Street Southbound				Kurtz Street Westbound				Kurtz Street Northbound				Kurtz Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	15	98	0	113	49	0	36	85	0	165	51	216	12	60	2	74	488
04:30 PM	23	86	0	109	51	0	25	76	0	152	59	211	12	53	2	67	463
04:45 PM	28	70	0	98	36	0	39	75	0	176	47	223	24	55	1	80	476
05:00 PM	14	85	0	99	31	0	24	55	0	179	42	221	19	71	4	94	469
Total Volume	80	339	0	419	167	0	124	291	0	672	199	871	67	239	9	315	1896
% App. Total	19.1	80.9	0		57.4	0	42.6		0	77.2	22.8		21.3	75.9	2.9		
PHF	.714	.808	.000	.927	.819	.000	.795	.856	.000	.938	.843	.976	.698	.841	.563	.838	.971

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Kurtz Street
Weather: Sunny

File Name : SDCROKUPM
Site Code : 9102003
Start Date : 4/23/2009
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:00 PM								04:15 PM							
+0 mins.	14	85	0	99	34	0	32	66	0	165	51	216	12	60	2	74
+15 mins.	10	93	0	103	49	0	36	85	0	152	59	211	12	53	2	67
+30 mins.	17	100	0	117	51	0	25	76	0	179	47	226	24	55	1	80
+45 mins.	11	105	0	116	36	0	39	75	0	179	42	221	19	71	4	94
Total Volume	52	383	0	435	170	0	132	302	0	672	199	871	67	239	9	315
% App. Total	12	88	0		56.3	0	43.7		0	77.2	22.8		21.3	75.9	2.9	
PHF	.765	.912	.000	.929	.833	.000	.846	.888	.000	.939	.843	.976	.698	.842	.563	.838

(21)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_015 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

AM

NS/EW Streets:	Pacific Hwy			Pacific Hwy			Kurtz St			Kurtz St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	54	78			77	3			43				255
7:15 AM	57	76			71	2			42				248
7:30 AM	55	84			69	1			44				253
7:45 AM	78	101			91	1			58				329
8:00 AM	68	107			95	1			67				338
8:15 AM	89	99			80	4			65				337
8:30 AM	59	84			87	3			57				290
8:45 AM	56	80			66	2			73				277
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	516	709	0	0	636	17	0	0	449	0	0	0	2327
APPROACH %'s :	42.12%	57.88%	0.00%	0.00%	97.40%	2.60%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	294	391	0	0	353	9	0	0	247	0	0	0	1294
PEAK HR FACTOR :		0.911			0.943			0.922			0.000		0.957

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_015 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

PM

NS/EW Streets:	Pacific Hwy			Pacific Hwy			Kurtz St			Kurtz St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	59	178			127	2			107				473
4:15 PM	38	185			100	3			106				432
4:30 PM	67	146			123	1			104				441
4:45 PM	50	147			94	1			106				398
5:00 PM	36	176			120	2			125				459
5:15 PM	47	137			69	3			110				366
5:30 PM	44	96			83	5			91				319
5:45 PM	39	90			86	1			103				319
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	380	1155	0	0	802	18	0	0	852	0	0	0	3207
APPROACH %'s :	24.76%	75.24%	0.00%	0.00%	97.80%	2.20%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	400 PM												TOTAL
PEAK HR VOL :	214	656	0	0	444	7	0	0	423	0	0	0	1744
PEAK HR FACTOR :		0.918			0.874			0.988			0.000		0.922

CONTROL :

ITM Peak Hour Summary

Prepared by:

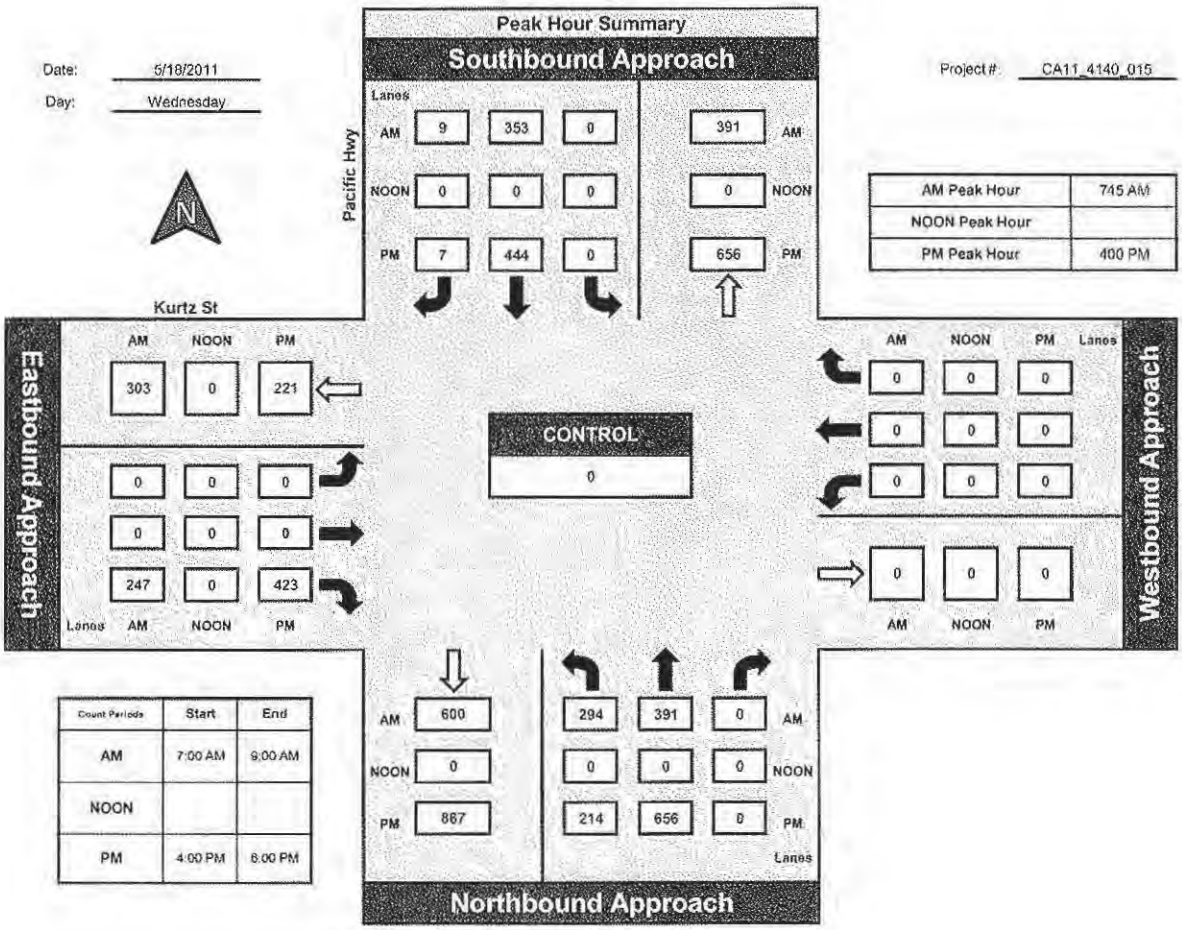
National Data & Surveying Services

Pacific Hwy and Kurtz St , City of San Diego

Date: 5/18/2011

Day: Wednesday

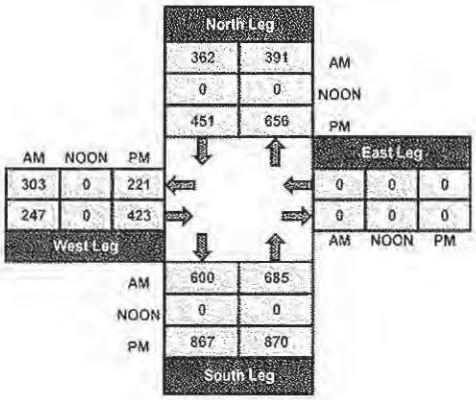
Project #: CA11_4140_015



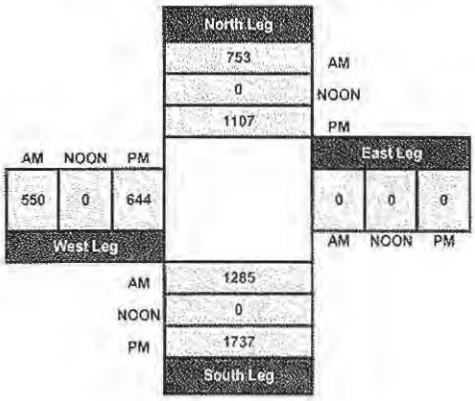
AM Peak Hour	745 AM
NOON Peak Hour	
PM Peak Hour	400 PM

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Total Ins & Outs



Total Volume Per Leg



(23)

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Camino Del Rio West
E/W: Hancock Street
Wather: Sunny

File Name : SDCDRWHAAM
Site Code : 9102111
Start Date : 5/27/2009
Page No : 1

Groups Printed- Total Volume

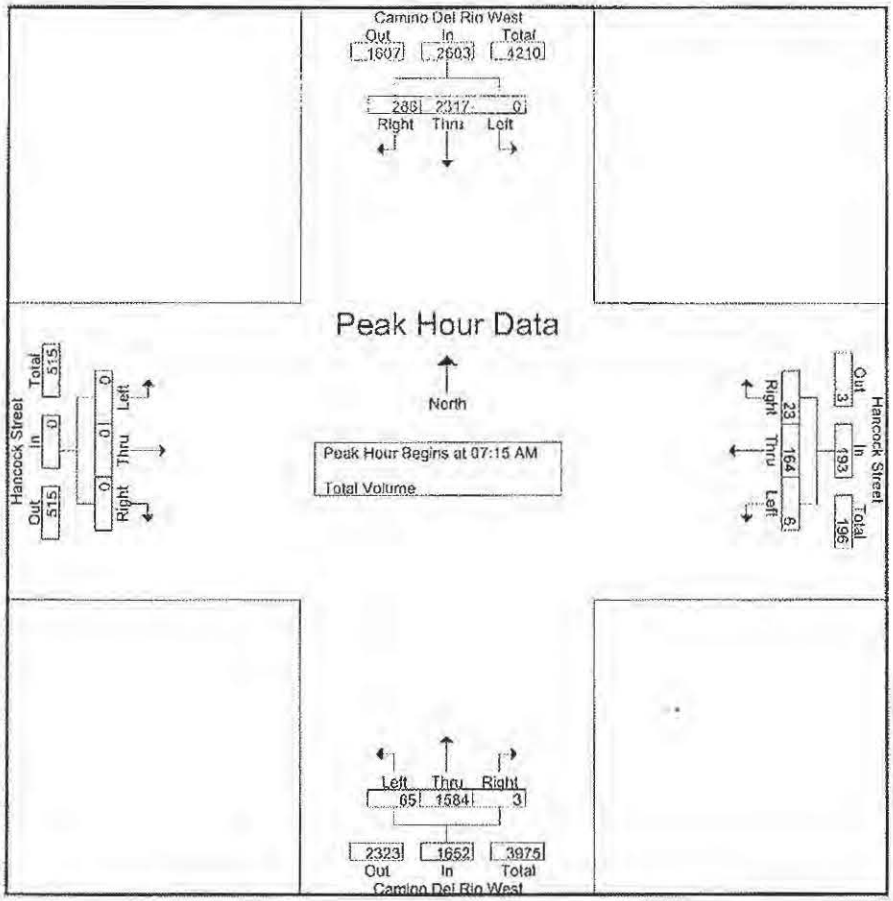
	Camino Del Rio West Southbound				Hancock Street Westbound				Camino Del Rio West Northbound				Hancock Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
06:45 AM	0	525	32	557	9	12	8	29	14	225	9	248	0	0	0	0	834
Total	0	525	32	557	9	12	8	29	14	225	9	248	0	0	0	0	834
07:00 AM	0	589	35	624	9	12	8	29	15	279	9	303	0	0	0	0	956
07:15 AM	0	618	39	657	0	30	11	41	16	339	0	355	0	0	0	0	1053
07:30 AM	0	525	60	585	3	41	3	47	10	455	0	465	0	0	0	0	1097
07:45 AM	0	579	80	659	2	39	3	44	15	425	3	443	0	0	0	0	1146
Total	0	2311	214	2525	14	122	25	161	56	1498	12	1566	0	0	0	0	4252
08:00 AM	0	595	107	702	1	54	6	61	24	365	0	389	0	0	0	0	1152
08:15 AM	0	515	70	585	2	47	7	56	14	389	1	404	0	0	0	0	1045
08:30 AM	0	425	94	519	6	54	17	77	16	411	0	427	0	0	0	0	1023
Grand Total	0	4371	517	4888	32	289	63	384	126	2888	22	3034	0	0	0	0	8306
Apprch %	0	89.4	10.6		8.3	75.3	16.4		4.1	95.2	0.7		0	0	0		
Total %	0	52.6	6.2	58.8	0.4	3.5	0.8	4.6	1.5	34.8	0.3	36.5	0	0	0	0	

	Camino Del Rio West Southbound				Hancock Street Westbound				Camino Del Rio West Northbound				Hancock Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	0	618	39	657	0	30	11	41	16	339	0	355	0	0	0	0	1053
07:30 AM	0	525	60	585	3	41	3	47	10	455	0	465	0	0	0	0	1097
07:45 AM	0	579	80	659	2	39	3	44	15	425	3	443	0	0	0	0	1146
08:00 AM	0	595	107	702	1	54	6	61	24	365	0	389	0	0	0	0	1152
Total Volume	0	2317	286	2603	6	164	23	193	65	1584	3	1652	0	0	0	0	4448
% App. Total	0	89	11		3.1	85	11.9		3.9	95.9	0.2		0	0	0		
PHF	.000	.937	.668	.927	.500	.759	.523	.791	.677	.870	.250	.888	.000	.000	.000	.000	.965

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Camino Del Rio West
E/W: Hancock Street
Wather: Sunny

File Name : SDCDRWHAAM
Site Code : 9102111
Start Date : 5/27/2009
Page No : 2



Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:15 AM				07:45 AM				07:30 AM				06:45 AM			
+0 mins.	0	618	39	657	2	39	3	44	10	455	0	465	0	0	0	0
+15 mins.	0	525	60	585	1	54	6	61	15	425	3	443	0	0	0	0
+30 mins.	0	579	80	659	2	47	7	56	24	365	0	389	0	0	0	0
+45 mins.	0	595	107	702	6	54	17	77	14	389	1	404	0	0	0	0
Total Volume	0	2317	286	2603	11	194	33	238	63	1634	4	1701	0	0	0	0
% App. Total	0	89	11		4.6	81.5	13.9		3.7	96.1	0.2		0	0	0	
PHF	.000	.937	.668	.927	.458	.898	.485	.773	.656	.898	.333	.915	.000	.000	.000	.000

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Camino del Rio West
E/W: Hancock Street
Wather: Sunny

File Name : SDCDRWHAPM
Site Code : 9102099
Start Date : 5/27/2009
Page No : 1

Groups Printed- Total Volume

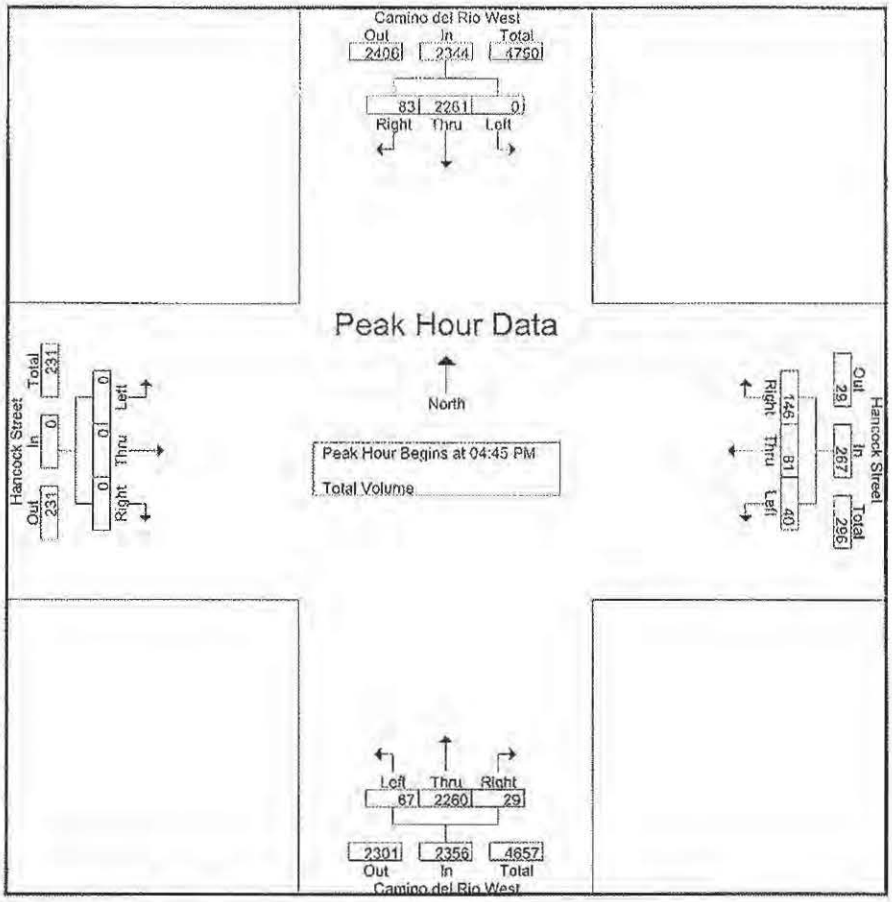
	Camino del Rio West Southbound				Hancock Street Westbound				Camino del Rio West Northbound				Hancock Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	0	476	31	507	1	34	14	49	17	585	5	607	0	0	0	0	1163
04:15 PM	0	523	30	553	5	23	34	62	11	525	5	541	0	0	0	0	1156
04:30 PM	0	532	25	557	9	21	33	63	11	569	2	582	0	0	0	0	1202
04:45 PM	0	530	26	556	14	19	37	70	29	585	9	623	0	0	0	0	1249
Total	0	2061	112	2173	29	97	118	244	68	2264	21	2353	0	0	0	0	4770
05:00 PM	0	570	20	590	6	31	42	79	11	525	14	550	0	0	0	0	1219
05:15 PM	0	579	18	597	6	11	37	54	19	589	4	612	0	0	0	0	1263
05:30 PM	0	582	19	601	14	20	30	64	8	561	2	571	0	0	0	0	1236
05:45 PM	0	538	23	561	8	21	27	56	15	489	7	511	0	0	0	0	1128
Total	0	2269	80	2349	34	83	136	253	53	2164	27	2244	0	0	0	0	4846
Grand Total	0	4330	192	4522	63	180	254	497	121	4428	48	4597	0	0	0	0	9616
Apprch %	0	95.8	4.2		12.7	36.2	51.1		2.6	96.3	1		0	0	0		
Total %	0	45	2	47	0.7	1.9	2.6	5.2	1.3	46	0.5	47.8	0	0	0	0	

	Camino del Rio West Southbound				Hancock Street Westbound				Camino del Rio West Northbound				Hancock Street Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	0	530	26	556	14	19	37	70	29	585	9	623	0	0	0	0	1249
05:00 PM	0	570	20	590	6	31	42	79	11	525	14	550	0	0	0	0	1219
05:15 PM	0	579	18	597	6	11	37	54	19	589	4	612	0	0	0	0	1263
05:30 PM	0	582	19	601	14	20	30	64	8	561	2	571	0	0	0	0	1236
Total Volume	0	2261	83	2344	40	81	146	267	67	2260	29	2356	0	0	0	0	4967
% App. Total	0	96.5	3.5		15	30.3	54.7		2.8	95.9	1.2		0	0	0		
PHF	.000	.971	.798	.975	.714	.653	.869	.845	.578	.959	.518	.945	.000	.000	.000	.000	.983

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Camino del Rio West
E/W: Hancock Street
Wather: Sunny

File Name : SDCDRWHAPM
Site Code : 9102099
Start Date : 5/27/2009
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				04:15 PM				04:30 PM				04:00 PM			
+0 mins.	0	570	20	590	5	23	34	62	11	569	2	582	0	0	0	0
+15 mins.	0	579	18	597	9	21	33	63	29	585	9	623	0	0	0	0
+30 mins.	0	582	19	601	14	19	37	70	11	525	14	550	0	0	0	0
+45 mins.	0	538	23	561	6	31	42	79	19	589	4	612	0	0	0	0
Total Volume	0	2269	80	2349	34	94	146	274	70	2268	29	2367	0	0	0	0
% App. Total	0	96.6	3.4		12.4	34.3	53.3		3	95.8	1.2		0	0	0	
PHF	.000	.975	.870	.977	.607	.758	.869	.867	.603	.963	.518	.950	.000	.000	.000	.000

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Hancock Street
Weather: Sunny

File Name : SDCROHAAM
Site Code : 91021234
Start Date : 4/23/2009
Page No : 1

Groups Printed- Total Volume

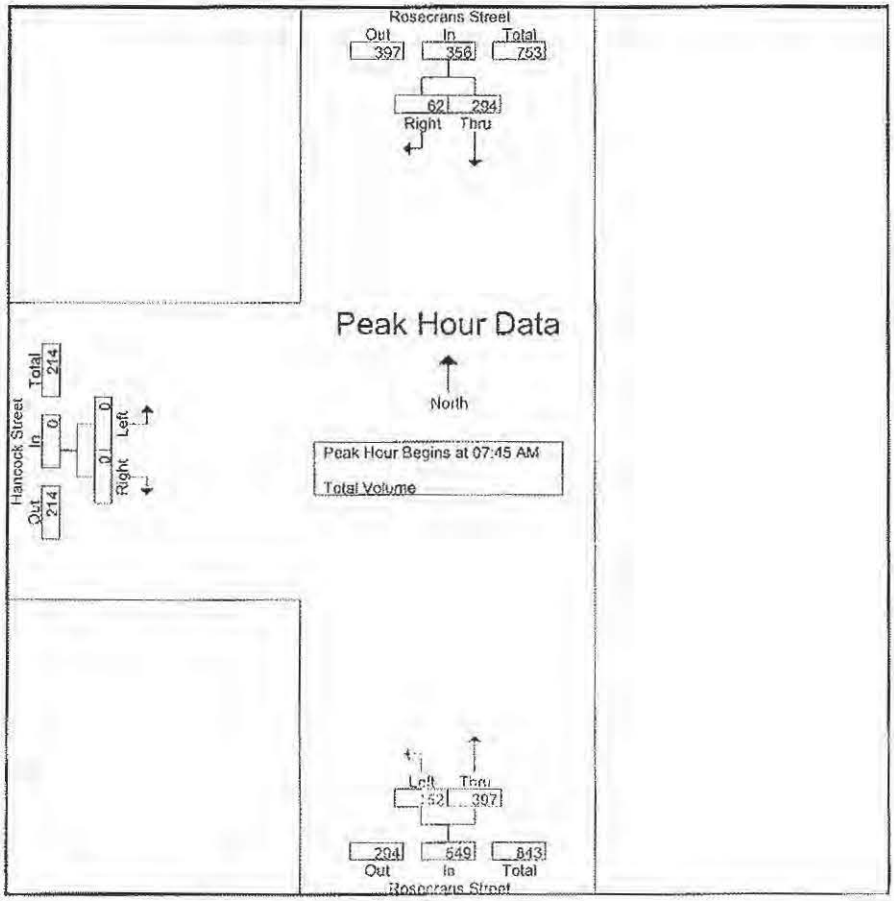
	Rosecrans Street Southbound			Rosecrans Street Northbound			Hancock Street Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
06:45 AM	46	6	52	40	70	110	0	0	0	162
Total	46	6	52	40	70	110	0	0	0	162
07:00 AM	50	5	55	23	59	82	0	0	0	137
07:15 AM	66	13	79	25	93	118	0	0	0	197
07:30 AM	72	19	91	27	101	128	0	0	0	219
07:45 AM	87	14	101	27	116	143	0	0	0	244
Total	275	51	326	102	369	471	0	0	0	797
08:00 AM	60	18	78	45	85	130	0	0	0	208
08:15 AM	70	16	86	44	99	143	0	0	0	229
08:30 AM	77	14	91	36	97	133	0	0	0	224
Grand Total	528	105	633	267	720	987	0	0	0	1620
Apprch %	83.4	16.6		27.1	72.9		0	0		
Total %	32.6	6.5	39.1	16.5	44.4	60.9	0	0	0	

	Rosecrans Street Southbound			Rosecrans Street Northbound			Hancock Street Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	87	14	101	27	116	143	0	0	0	244
08:00 AM	60	18	78	45	85	130	0	0	0	208
08:15 AM	70	16	86	44	99	143	0	0	0	229
08:30 AM	77	14	91	36	97	133	0	0	0	224
Total Volume	294	62	356	152	397	549	0	0	0	905
% App. Total	82.6	17.4		27.7	72.3		0	0		
PHF	.845	.861	.881	.844	.856	.960	.000	.000	.000	.927

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Hancock Street
Weather: Sunny

File Name : SDCROHAAM
Site Code : 91021234
Start Date : 4/23/2009
Page No : 2



Peak Hour Analysis From 06:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM			07:45 AM			06:45 AM		
+0 mins.	72	19	91	27	116	143	0	0	0
+15 mins.	87	14	101	45	85	130	0	0	0
+30 mins.	60	18	78	44	99	143	0	0	0
+45 mins.	70	16	86	36	97	133	0	0	0
Total Volume	289	67	356	152	397	549	0	0	0
% App. Total	81.2	18.8		27.7	72.3		0	0	
PHF	.830	.882	.881	.844	.856	.960	.000	.000	.000

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Hancock Street
Weather: Sunny

File Name : SDCROHAPM
Site Code : 91021234
Start Date : 4/23/2009
Page No : 1

Groups Printed- Total Volume

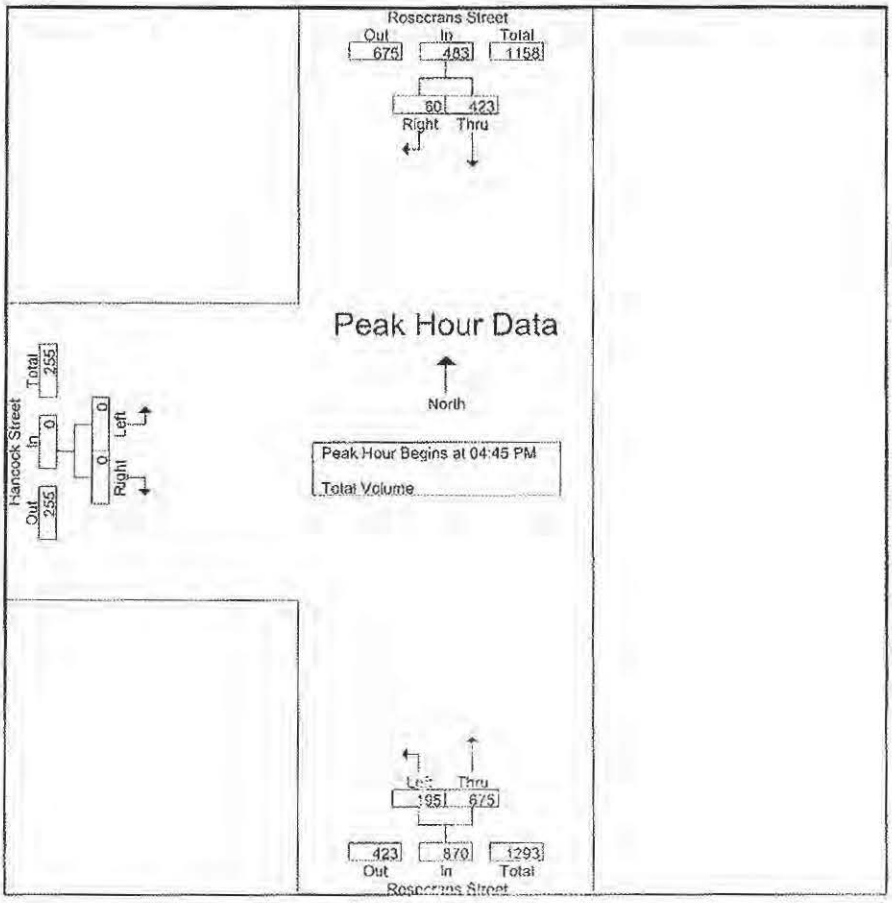
	Rosecrans Street Southbound			Rosecrans Street Northbound			Hancock Street Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
04:00 PM	104	18	122	48	157	205	0	0	0	327
04:15 PM	109	17	126	53	153	206	0	0	0	332
04:30 PM	106	20	126	44	158	202	0	0	0	328
04:45 PM	89	14	103	51	187	238	0	0	0	341
Total	408	69	477	196	655	851	0	0	0	1328
05:00 PM	107	17	124	51	167	218	0	0	0	342
05:15 PM	109	13	122	48	168	216	0	0	0	338
05:30 PM	118	16	134	45	153	198	0	0	0	332
05:45 PM	117	12	129	31	138	169	0	0	0	298
Total	451	58	509	175	626	801	0	0	0	1310
Grand Total	859	127	986	371	1281	1652	0	0	0	2638
Apprch %	87.1	12.9		22.5	77.5		0	0		
Total %	32.6	4.8	37.4	14.1	48.6	62.6	0	0	0	

	Rosecrans Street Southbound			Rosecrans Street Northbound			Hancock Street Eastbound			
Start Time	Thru	Right	App. Total	Left	Thru	App. Total	Left	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	89	14	103	51	187	238	0	0	0	341
05:00 PM	107	17	124	51	167	218	0	0	0	342
05:15 PM	109	13	122	48	168	216	0	0	0	338
05:30 PM	118	16	134	45	153	198	0	0	0	332
Total Volume	423	60	483	195	675	870	0	0	0	1353
% App. Total	87.6	12.4		22.4	77.6		0	0		
PHF	.896	.882	.901	.956	.902	.914	.000	.000	.00	.990

Counts Unlimited Inc.
25286 Jaclyn Avenue
Moreno Valley, CA 92557
951-485-7934

City of San Diego
N/S: Rosecrans Street
E/W: Hancock Street
Weather: Sunny

File Name : SDCROHAPM
Site Code : 91021234
Start Date : 4/23/2009
Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM: Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM			04:30 PM			04:00 PM		
+0 mins.	107	17	124	11	158	202	0	0	0
+15 mins.	109	13	122	54	187	238	0	0	0
+30 mins.	118	16	134	51	167	218	0	0	0
+45 mins.	117	12	129	38	168	216	0	0	0
Total Volume	451	58	509	194	680	874	0	0	0
% App. Total	88.6	11.4		22.2	77.8		0	0	
PHF	.956	.853	.950	.951	.909	.918	.000	.000	.000

(25)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_021 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

AM

NS/EW Streets:	Hancock St			Hancock St			Old Towne Ave			Old Towne Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM				12			37	101				14	164
7:15 AM				16			46	158				24	244
7:30 AM				15			58	111				31	215
7:45 AM				17			60	103				32	212
8:00 AM				12			86	117				23	238
8:15 AM				10			66	76				18	170
8:30 AM				14			43	62				37	156
8:45 AM				22			58	66				27	173

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	118	0	0	454	794	0	0	0	206	1572
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	100.00%	0.00%	0.00%	36.38%	63.62%	0.00%	0.00%	0.00%	100.00%	

PEAK HR START TIME :	715 AM												TOTAL
PEAK HR VOL :	0	0	0	60	0	0	250	489	0	0	0	110	909
PEAK HR FACTOR :		0.000			0.882			0.906			0.859		0.931

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_021 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

PM

NS/EW Streets:	Hancock St			Hancock St			Old Towne Ave			Old Towne Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM				11			54	46				124	235
4:15 PM				18			66	63				107	254
4:30 PM				15			66	68				136	285
4:45 PM				17			78	58				116	269
5:00 PM				23			83	50				131	287
5:15 PM				23			88	82				121	314
5:30 PM				14			79	45				54	192
5:45 PM				23			124	38				75	260
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	144	0	0	638	450	0	0	0	864	2096
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	100.00%	0.00%	0.00%	58.64%	41.36%	0.00%	0.00%	0.00%	100.00%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	0	0	0	78	0	0	315	258	0	0	0	504	1155
PEAK HR FACTOR :	0.000			0.848			0.843			0.926			0.920

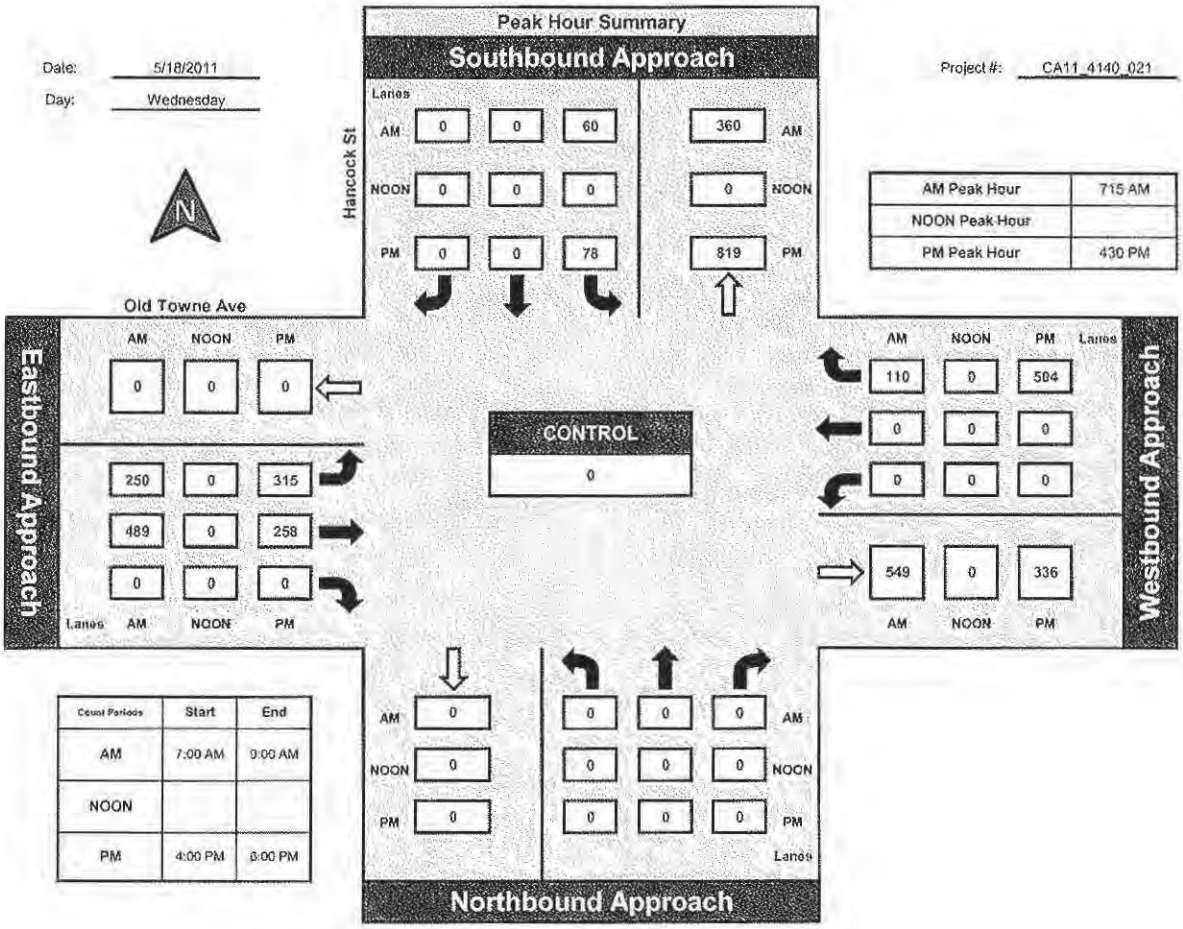
CONTROL :

ITM Peak Hour Summary

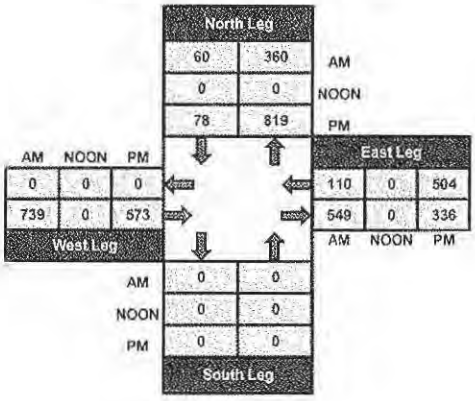
Prepared by:

National Data & Surveying Services

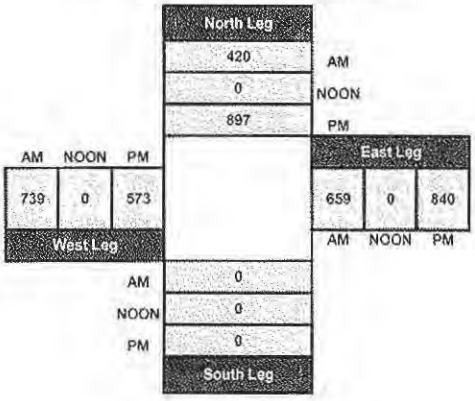
Hancock St and Old Towne Ave , City of San Diego



Total Ins & Outs



Total Volume Per Leg



(26)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4i40_022 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

AM

NS/EW Streets:	Hancock St			Hancock St			Witherby St			Witherby St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	13	2	7	1	0	1	5	21	91	2	2	0	145
7:15 AM	19	1	9	0	1	0	1	21	141	2	3	2	200
7:30 AM	35	0	5	0	0	0	1	24	110	0	1	0	176
7:45 AM	23	1	8	0	0	1	2	33	81	0	3	1	153
8:00 AM	16	0	13	0	0	0	3	45	79	5	12	0	173
8:15 AM	9	0	10	0	1	0	0	21	67	4	4	0	116
8:30 AM	28	1	7	0	1	1	0	27	55	0	12	0	132
8:45 AM	14	1	7	0	2	2	1	33	47	1	7	0	115
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	157	6	66	1	5	5	13	225	671	14	44	3	1210
APPROACH %'s :	68.56%	2.62%	28.82%	9.09%	45.45%	45.45%	1.43%	24.75%	73.82%	22.95%	72.13%	4.92%	
PEAK HR START TIME :	715 AM												TOTAL
PEAK HR VOL :	93	2	35	0	1	1	7	123	411	7	19	3	702
PEAK HR FACTOR :	0.813			0.500			0.830			0.426			0.878

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_022 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

PM

NS/EW Streets:	Hancock St			Hancock St			Witherby St			Witherby St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	120	0	18	0	0	0	2	27	31	1	8	0	207
4:15 PM	79	0	19	0	1	5	2	43	32	2	19	1	203
4:30 PM	116	1	14	0	1	5	1	42	39	4	19	0	242
4:45 PM	97	2	12	1	2	5	1	32	44	2	12	0	210
5:00 PM	100	2	7	1	1	3	1	33	41	2	26	0	217
5:15 PM	109	2	17	2	2	0	5	47	48	2	18	0	252
5:30 PM	42	0	11	0	1	1	1	30	28	2	5	0	121
5:45 PM	60	1	11	1	0	1	0	36	27	1	20	0	158
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	723	8	109	5	8	20	13	290	290	16	127	1	1610
APPROACH %'s :	86.07%	0.95%	12.98%	15.15%	24.24%	60.61%	2.19%	48.90%	48.90%	11.11%	88.19%	0.69%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	422	7	50	4	6	13	8	154	172	10	75	0	921
PEAK HR FACTOR :	0.914			0.719			0.835			0.759			0.914

CONTROL :

ITM Peak Hour Summary

Prepared by:

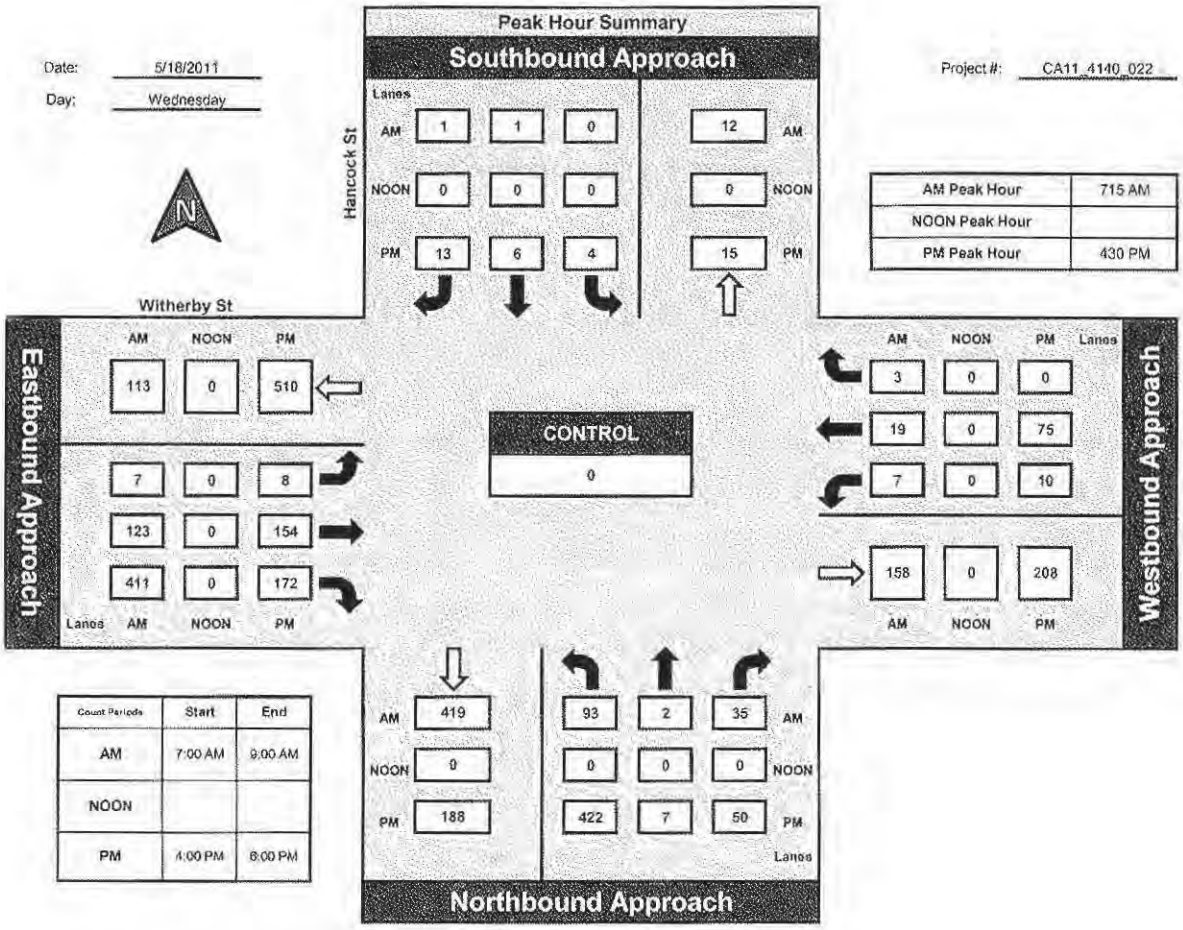
National Data & Surveying Services

Hancock St and Witherby St , City of San Diego

Date: 5/18/2011

Day: Wednesday

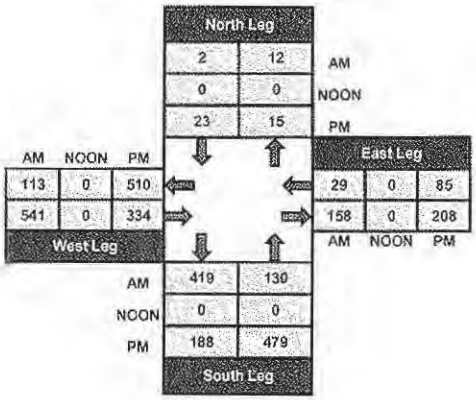
Project #: CA11_4140_022



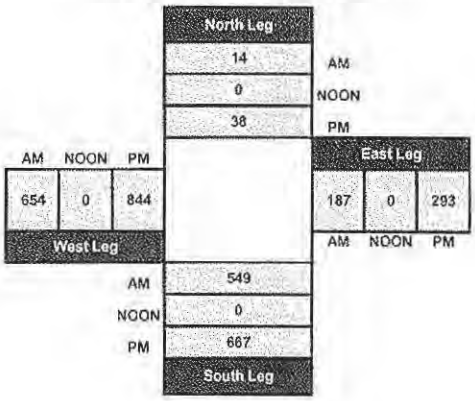
AM Peak Hour	715 AM
NOON Peak Hour	
PM Peak Hour	430 PM

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Total Ins & Outs



Total Volume Per Leg



(28)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_023 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

AM

NS/EW Streets:	Kettner Blvd			Kettner Blvd			Vine St			Vine St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM					235	2			1	6			244
7:15 AM					216	4			1	3			224
7:30 AM					268	1			4	5			278
7:45 AM					355	7			2	6			370
8:00 AM					323	1			2	5			331
8:15 AM					367	5			5	7			384
8:30 AM					359	1			1	10			371
8:45 AM					346	1			2	12			361

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	0	0	0	0	2469	22	0	0	18	54	0	0	2563
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	99.12%	0.88%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	

PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	0	0	0	0	1404	14	0	0	10	28	0	0	1456
PEAK HR FACTOR :		0.000			0.953			0.500			0.700		0.948

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_023 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

PM

NS/EW Streets:	Kettner Blvd			Kettner Blvd			Vine St			Vine St			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM					291	1			1	9			302
4:15 PM					344	4			7	6			361
4:30 PM					388	2			7	10			407
4:45 PM					477	0			7	17			501
5:00 PM					556	1			8	11			576
5:15 PM					536	1			3	7			547
5:30 PM					465	2			0	16			483
5:45 PM					381	2			0	13			396
TOTAL VOLUMES :	NL 0	NT 0	NR 0	SL 0	ST 3438	SR 13	EL 0	ET 0	ER 33	WL 89	WT 0	WR 0	TOTAL 3573
APPROACH %'s :	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	99.62%	0.38%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	0	0	0	0	2034	4	0	0	18	51	0	0	2107
PEAK HR FACTOR :	0.000			0.915			0.563			0.750			0.914

CONTROL :

ITM Peak Hour Summary

Prepared by:

NDS

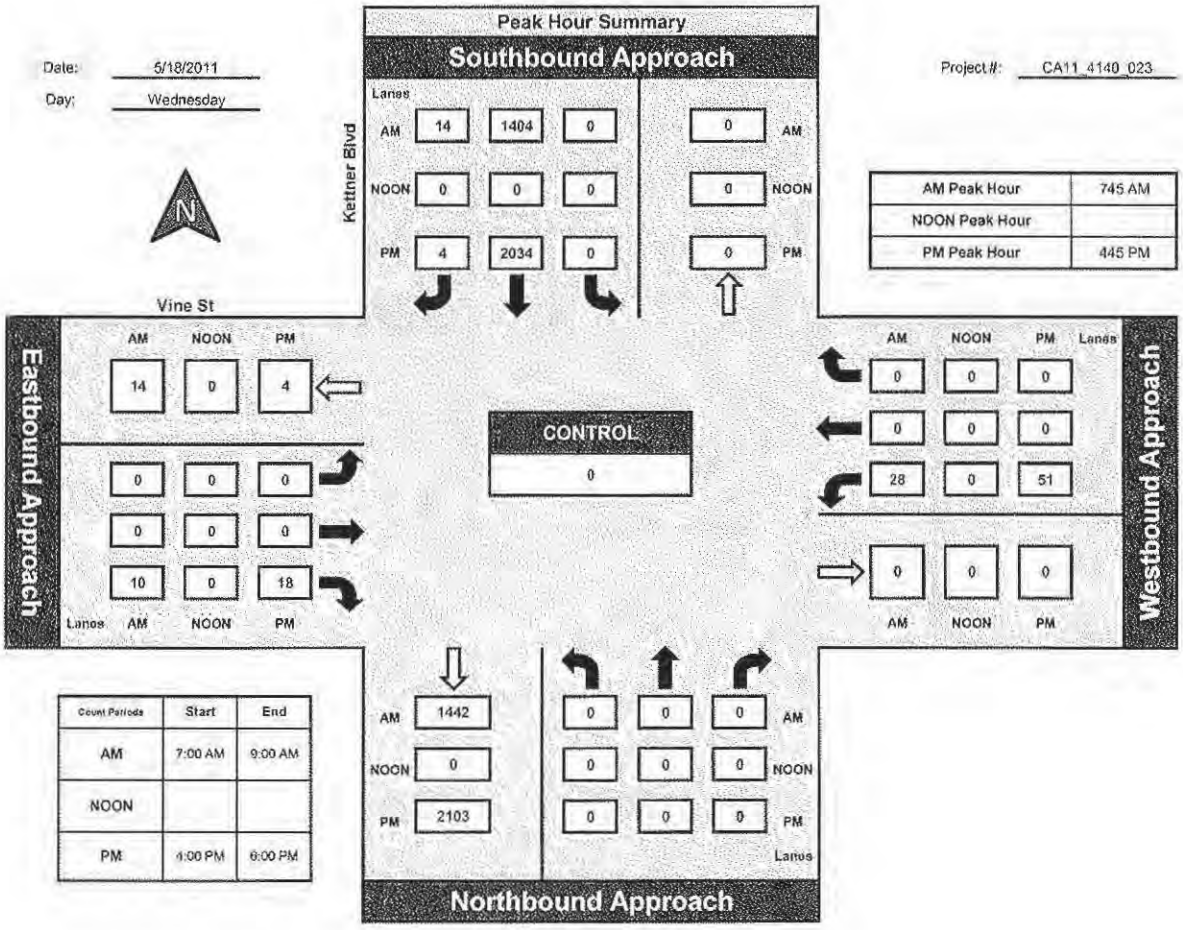
National Data & Surveying Services

Kettner Blvd and Vine St , City of San Diego

Date: 5/18/2011

Day: Wednesday

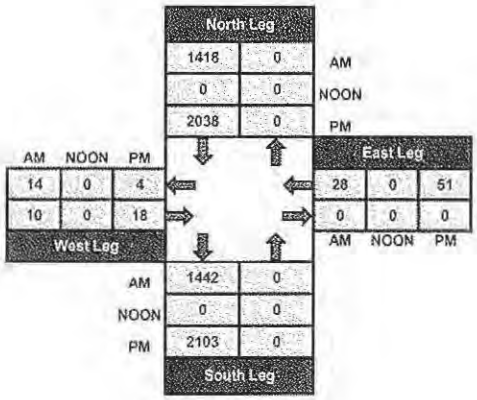
Project #: CA11_4140_023



AM Peak Hour	745 AM
NOON Peak Hour	
PM Peak Hour	445 PM

Count Periods	Start	End
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Total Ins & Outs



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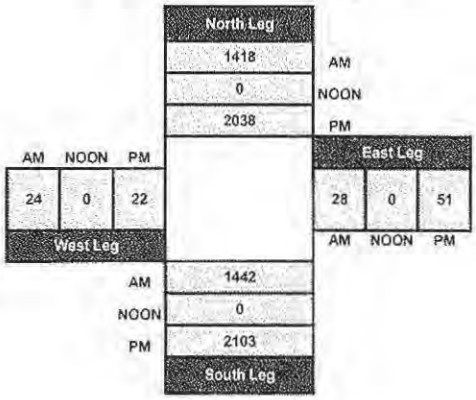


(31)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_018

Day: WEDNESDAY

City: City of San Diego

Date: 5/18/2011

AM

NS/EW Streets:	Pacific Hwy			Pacific Hwy			Barnett Ave			Barnett Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM	450					19			222				691
7:15 AM	410					7			265				682
7:30 AM	358					15			272				645
7:45 AM	444					22			274				740
8:00 AM	413					18			286				717
8:15 AM	418					17			312				747
8:30 AM	390					16			309				715
8:45 AM	341					15			274				630
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	3224	0	0	0	0	129	0	0	2214	0	0	0	5567
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	745 AM												TOTAL
PEAK HR VOL :	1665	0	0	0	0	73	0	0	1181	0	0	0	2919
PEAK HR FACTOR :		0.938			0.830			0.946			0.000		0.977

CONTROL :

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: CA11_4140_018 **Day:** WEDNESDAY

City: City of San Diego **Date:** 5/18/2011

PM

NS/EW Streets:	Pacific Hwy			Pacific Hwy			Barnett Ave			Barnett Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
4:00 PM	376					1			501				878
4:15 PM	404					3			518				925
4:30 PM	371					4			498				873
4:45 PM	426					5			470				901
5:00 PM	443					4			460				907
5:15 PM	405					2			436				843
5:30 PM	351					2			384				737
5:45 PM	333					2			309				644
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
TOTAL VOLUMES :	3109	0	0	0	0	23	0	0	3576	0	0	0	6708
APPROACH %'s :	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	415 PM												TOTAL
PEAK HR VOL :	1644	0	0	0	0	16	0	0	1946	0	0	0	3606
PEAK HR FACTOR :	0.928			0.800			0.939			0.000			0.975

CONTROL :

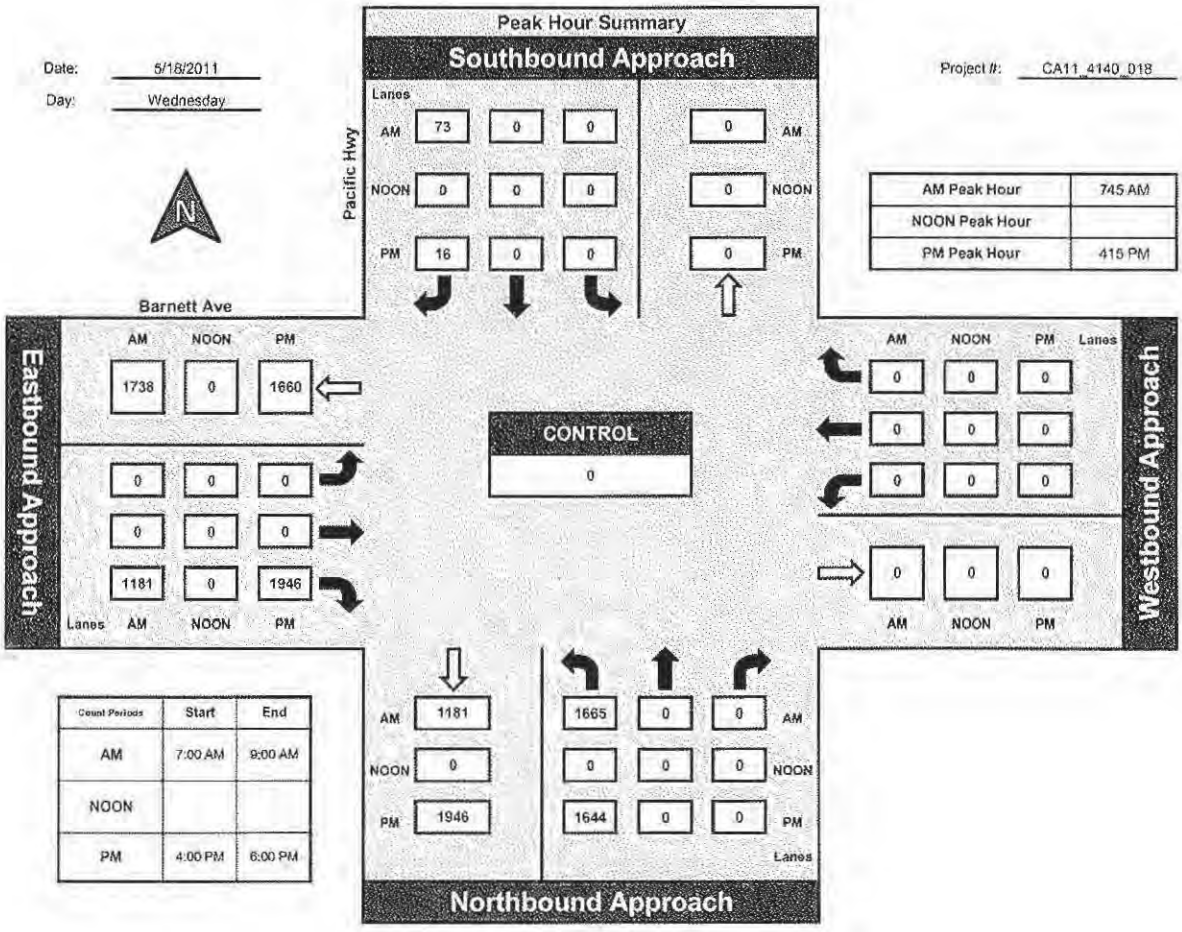
ITM Peak Hour Summary

Prepared by:

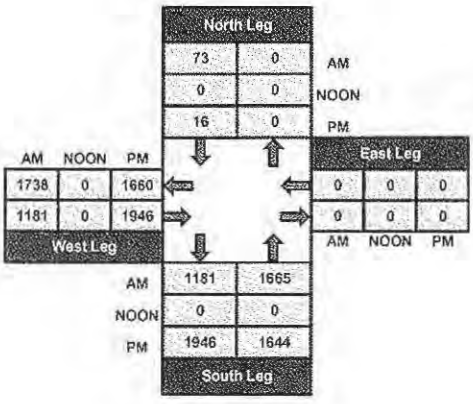
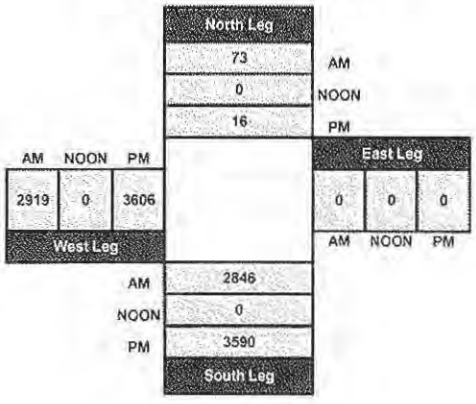
NDS

National Data & Surveying Services

Pacific Hwy and Barnett Ave , City of San Diego



Total Ins & Outs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