APPENDIX "A"

TRAFFIC CONTROL PLANS

REVISION	BY	APPROVED	DATE	SAN DIEGO REGIONAL STANDARD - APPENDIX "A"	DWG. NO.
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TRAFFIC CONTROL PLANS GENERAL INFORMATION

The Traffic Control Plans depicted in this Appendix are intended to supplement Part 6 "Temporary Traffic Control" of the 2003 Manual on Uniform Traffic Control Devices (MUTCD) and 2003 MUTCD California Supplement in providing guidance and information on preparing traffic control plans. Other references may also provide useful information on traffic control procedures. It should be understood that implementation of traffic control plans must conform with the latest revisions of Part 6 of the 2003 MUTCD and 2003 MUTCD California Supplement.

Part 6 of the MUTCD Manual "Temporary Traffic Control" are published by the Federal Highway Administration (FHWA) and the California Department of Transportation (Caltrans). These manuals in combination are issued to provide the basic standards for uniform types of warning signs, lights, and other devices to be placed upon any public roadway or street by a person engaged in performing work which interferes with or endangers the safe movement of traffic flow upon such highway or street, in accordance with sections 21367 and 21400 of the California Vehicle Code.

It is the responsibility of the Contractor or Organization performing work on, or adjacent to, a roadway to install and maintain such devices which are necessary to provide safe passage for the traveling public through the work area and for the safety of the workers. Before work begins, traffic control plans for handling traffic through a construction or maintenance project shall be approved by the engineer of the public agency or authority having jurisdiction over the roadway.

Typical plans for intersections that are controlled by a traffic signal or a multi—way stop are not identified in this Appendix. These instructions require special attention in the preparation of traffic control plans. The approving agency should be notified prior to the preparation of traffic control plans when the work is in or near these intersections.

Special attention is also needed on the traffic control plans when the work areas affect bike lanes, sidewalks, pedestrian access, and curved or narrow roadways. Notification of the approving agency is desirable prior to the preparation of the plan when bicycles and pedestrian routes are affected by the work.

Nothing contained in this Appendix shall prevent local jurisdictions from modifying, changing, or adopting new specifications deemed necessary. The text and typical drawings in this Appendix are not a legal standard. Criteria for position, location, and use of traffic control devices is furnished solely for the purpose of guidance and information to assist in the preparation of traffic control plans.

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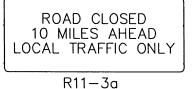


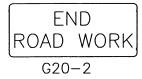




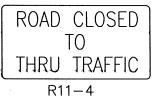


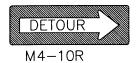


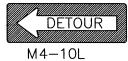












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R9-9

SIDEWALK CLOSED

WISE OTHER SIDE



R9 - 3c

SIDEWALK CLOSED AHEAD

CROSS HERE

SIDEWALK CLOSED

R9-10



CROSS HERE

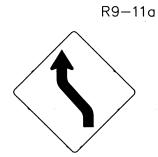


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TYPICAL CONSTRUCTION SIGNS

DRAWING NUMBER

TABLE 1

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES AND MINIMUM TAPER LENGTH

APPROACH SPEED (S) (MPH)	MINIMUM DISTANCE (FEET) BETWEEN SIGNS AND FROM LAST SIGN TO TAPER	TAPER LE FOR L	MINIMUM NGTHS (L 12-FOOT 1/2L	
25	150-200	125	65	45
30	200-300	180	90	60
35	250-400	245	125	85
40	350-500	320	160	110
45	500-750	540	270	180
50	500-1000	600	300	200
55+	500-1500	660	330	220

L for Merge Taper 1/2L for Shift Taper 1/3L for Shoulder Taper

TABLE 2

RECOMMENDED TAPER LENGTH AND MAXIMUM CHANNELIZER/CONE SPACING

APPROACH	BUFFER	MAX CONE SPACING					
SPEED (S) (MPH)	LENGTH (FEET)	TAPER	TANGENT	CONFLICT(*)			
25	 55	25	50	10			
30	85	30	60	15			
35	120	35	70	15			
40	170	40	80	20			
45	220	45	90	20			
50	280	50	100	25			
55+	335+	55	100	25			

(*) Facing Opposing Traffic, Adjacent to Work Area or Conflicting with Existing Striping

NOTES:

Taper Formula

L = S x W for speeds greater than 40 mph

$$L = \frac{-W \times S^2}{60}$$
 for speeds of 40 mph or less

Where:

L = Minimum length of taper (feet)

S = Approach Speed (mph) =
Posted Speed Limit or
off-peak 85th % speed
prior to work starting
or anticipated operating
speed

W = Width of offset (feet)

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	SAN DIEGO REGIONAL STANDARD	DRAWING	CRH		4/06
	SAN DIEGO NEGIONAL STANDAND	ORIGINAL		Manton	4/27/06
	DEVICE SPACING TABLES				
DRAWING TC-4	SIGN SPACING TABLE TAPER LENGTH AND CONE SPACING TABLE				

	Revision By Approved Date DRAWING CRH 4/06 ORIGINAL WHILE 4/27/06	TRAFFIC CONTROL PLAN PERMIT & PERMIT EX Public Utility								Local Phone: Cellular: Pager: Fax: 24 Hour Local Phone: Cellular: Pager:	TENSION PERMIT NO.
TRAFFIC	SAN [WORK HOURS cont A.M. FROM P.M. TO START DATE	A.M. P.M. END DATE	Speed Limit	WORK TO BE DONE 1st WORK DATE EXTERNOM	Ension	TO NEW END DATE		2nd WORK DATE EXT	ENSION	THOMAS BROS. PAGE: COORD.: TO NEW END DATE
C CONTROL PLAN	APPENDIX "A" DIEGO REGIONAL STANDARD	1. The contractor is re— sponsible for promptly restoring the road back to satisfactory condition which includes, but is not limited to, paving, striping, markings, signing, and loop detection. 2. The Agency reserves the right to observe these traffic control plans in operation and to make changes as field conditions warrant. 3. (cont.) All dirt, dust, and deb shall be removed from and at the end of the driveable condition at driveable condition at reades severe congest will be shut down by to agency. 5. A copy of all traffic			7. All travel lanes will typically be a minimum of the 12 feet wide, 14 feet if adjacent to bike lanes, unless otherwise specifically pt in a approved by the Agency. all times. 8. Flashing arrow boards as required by the Agency. 4. Yearning (W) series signs used in work zones shall be Black on an Orange background 10. Cones and pylons shall			twenty-four (24) hours in advance, with the day of week, date and work hours noted, and shall bag parking meters (where applicable). The applicant is responsible for complete representation of the actual road conditions shown on this plan including,			T DATE THIS TRAFFIC CONTROL PLAN IS NOT VALID JUNLESS AN APPLICABLE AGENCY PERMIT OR APPROVAL IS ATTACHED/AFFIXED.
DRAWING TC-5		3. Trenches shall be back—filled or steel—plated during non—work hours. Steel plates shall have an asphaltic ramp on all edges, securely supported so they won't rock and a sign posted near the plates identifying the contractors name and 24 hour emergency telephone number. * SUBJECT TO LOCAL ASSEE ATTACHED	control Agency job site 6. Appr does no official Agency obtainin	roval of this pla ot constitute an Permit. Contact for information ag a permit.	the on the the on	sleeves when centerline an reflectorized the outside s 11. If parking the advance advance warr be mounted devices. 12. All conflictions covered	placed along the d white sleeves along houlder. is allowed in warning ared, ing signs shall on high level	Address Phone Signatu Agent Co	(print)s Number ore of: mer ntractor gn/Barricade co. her	E C	PERMIT APPROVED BY: DATE: BE APPLICABLE

