APPENDIX "A"

TRAFFIC CONTROL PLANS

TRAFFIC CONTROL PLANS

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TRAFFIC CONTROL PLANS

GENERAL INFORMATION

The Traffic Control Plans depicted in this Appendix are intended to supplement Chapter 5 of the Caltrans Manual in providing guidance and information on preparing traffic control plans in an urban environment. Other references, such as the "W.A.T.C.H." manual, may also provide useful information on traffic control procedures. It should be understood that implementation of traffic control plans must conform with the latest edition of the Caltrans Traffic Manual (Chapter 5).

Chapter 5 of the Caltrans Traffic Manual, Traffic Controls for Construction and Maintenance Work Zones, is published by the State of California. Department of Transportation (Caltrans). This manual is issued to provide the basic standards for uniform types of warning signs, lights, and 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 upon such highway or street, in accordance with Section 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 intersections 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 desireable 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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TABLE 1

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

APPROACH SPEED (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS AND FROM LAST SIGN TO TAPER	MAXIMUM DEVICE SPACING IN FEET		MINIMUM PER LENG LANE WID 11 FT	STHS
25	150-200	25	105	115	125
3Ø	200-300	3Ø	150	165	18Ø
35	250-400	35	205	225	245
40	350-500	40	265	295	320
45	500-750	45	450	495	540
50	500-1000	50	500	550	600
55+	500-1500	50	550	605	660

* L=WS 2 /60 FOR S OF 40 MPH OR LESS; L=WS FOR S GREATER THAN 40 MPH. TAPER LENGTHS SHOWN ARE ROUNDED TO NEAREST 5 FEET.

TABLE 2

RECOMMENDED TAPER LENGTH AND DEVICE SPACING FOR CHANNELIZING TAPERS

APPROACH SPEED (MPH)	TAPER LENGTH (L) *	SPACING OF CONES ALONG TAPER (FEET) +_
25	125	25
30	18Ø	30
35	245	35
40	320	40
45	540	45
50	600	50
50+	1000	50

(*) Based on 12-foot wide lane. This column is also appropriate for lane widths less than 12 feet

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

S = Numerical value of APPROACH speed prior to work (mph)

W = Width of offset. (feet)

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	DEVICE SPACING TABLES		OCB	J. 620.	9-14-95
	SIGN SPACING TABLE		-		
DRAWING TC-4	TAPER LENGTH AND CONE SPACING TABLE				

		DRAWING ORIG	TRAFFIC C	ONTROL	PLAN/PERMI	T & PERMI		XTENSION		
	DG8		or Company: Address:		Project —Contact:		Phone: Cellula Pager:	or:		
	A BR	Approved	Contractor/ Project Contact: C				Fax:	Fax: 24 Hour Cocal Cellular: Pager:		
	9-12-95	Date 4-91 8-91 10-8-91	C1ty:		Z1p Code:	END CROSS STREET	Fax:	PERMIT NO.		
	TRAFF	SAN	WORK HOURS continuou FROM P.M. TO START DATE END D	A.M. P.M.	WORK DATE EXTENSION TO NEW END C	ATE 2nd WORK DATE EXTE	ENSION	THOMAS BROS. PAGE: COORD.: TO NEW END DATE		
COVER SHEET	FIC CONTROL	APPENDIX "	PERMIT WC REQUIREMENTS:* 1. The contractor is responsible for promptly restoring the road back to satisfactory condition which includes, but is not limited to, paving, striping, markings, signing, and loop	3. (cont.) All dirt, dust, and debris shall be removed from the street at the end of each and at the end of the journel of the street shall be kept driveable condition at all times.	7. All travel lanes will typically be a minimum of 12 feet wide, 14 feet if h day adjacent to bike lanes, b. unless otherwise specifically in a approved by the Agency.	12. The contractor shall post townaway/no parking signs twenty-four (24) hours in advance, with day of week, date and work hours noted, and shall bag parking meters (where applicable).	PER	MIT DATE THIS TRAFFIC CONTROL PLAN IS NOT VALID UNLESS AN APPLICABLE AGENCY PERMIT OR APPROVAL IS ATTACHED/AFFIXED		
DRAWING NUMBER	OL PLAN	A" STANDARD	detection. 2. The Agency reserves the right to observe these traffic control plans in operation and to make changes as field conditions warrant. 3. Trenches shall be backfilled 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	4. Any work that creates undue safety risk or that creates severe congestion will be shut down by the agency. 5. A copy of all traffic requirements and traffic control plans issued by the Agency must be kept on the job site. 6. Approval of this plan does not constitute an	required by the Agency. 9. Worning (W) series signs used in work zones shall be Black on an Orange background. 10. Cones and pylons shall have yellow reflectorized sleeves when placed along the centerline and white	The applicant is responsible for complete represention of the actual road conditions shown on this plan including, but not limited to, existing striping, signing, sidewalks and bike lanes. APPLICANTS: Name (print) Address Phone Number Signature				
°TC-5			plates identifying the contractors name and 24 hour emergency telephone number. * SUBJECT TO LOCAL	official Permit. Contact the Agency for information on obtaining a permit.	he be mounted on high level devices.	Agent of: Uwner Contractor Sign/Barricade co. Other		PERMIT APPROVED BY: DATE:		
			SEE ATTACHED SH	HEET(S) OR REF	ERENCED STANDARD	DRAWING(S) THAT	MAY	BE APPLICABLE		







