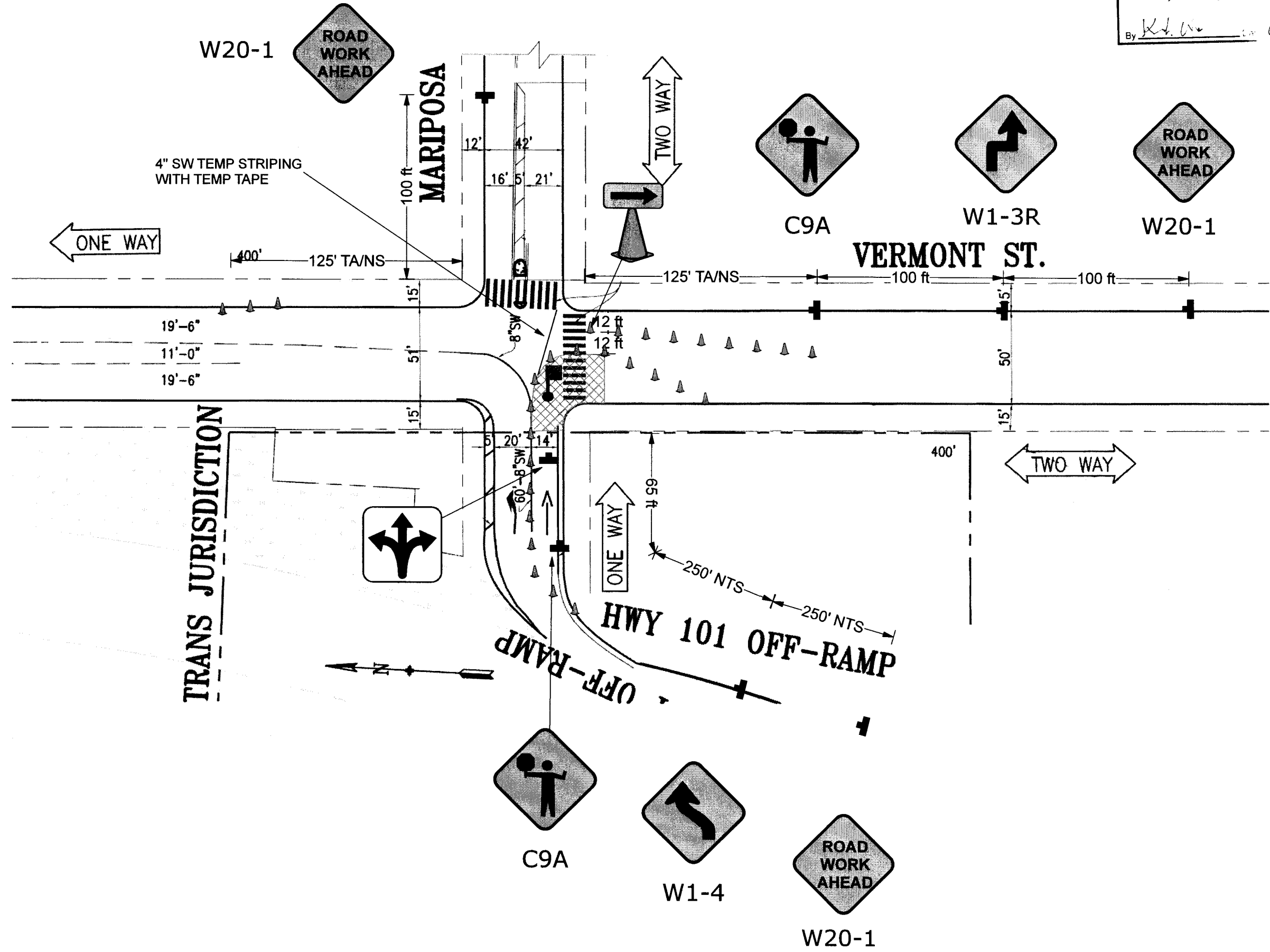
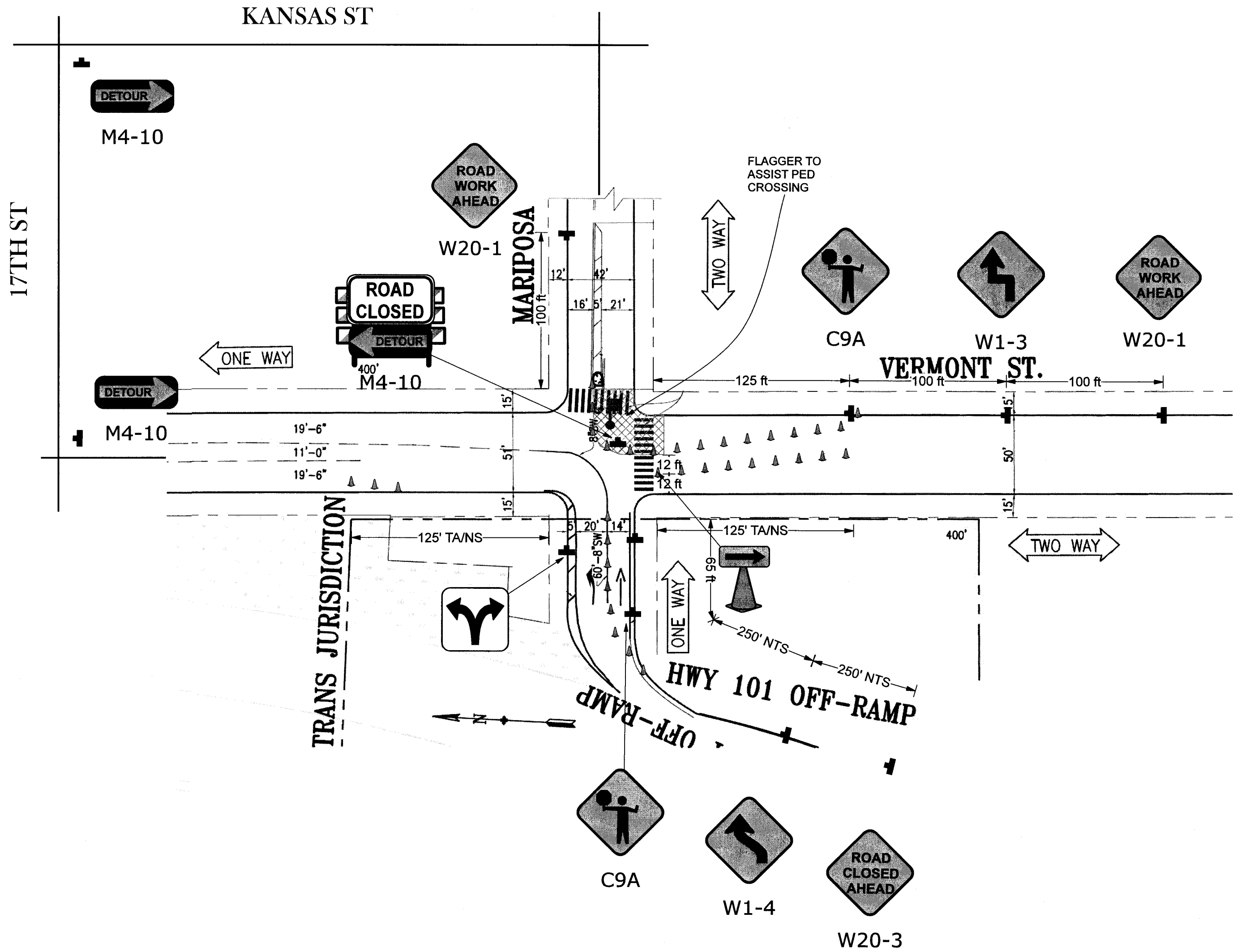


TRAFFIC CONTROL PLAN
2792J VARIOUS LOCATIONS #37
GRIND & PAVE - VERMONT ST AT MARIPOSA AVE

STREET	TIME	NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND
During Grinding and Paving Construction					
Intersection of Vermont St. and Mariposa St./US 101 Off-Ramp					Per Caltrans Encroachment Permit Requirements



NO EXCEPT
MAKE CORRECTIONS
REJECTED
REVISED
SUBMITTED

By: [Signature] Date: 6/11/19

Table 6C-3(CA). Taper Length Criteria for Temporary Traffic Control Zones (For 12 foot Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)				Down Stream (feet)***
	Merging L (feet)	Shifting L2 (feet)	Shoulder L3 (feet)	Down Stream (feet)	
20	80	40	27	50	
25	125	63	42	50	
30	180	90	60	50	
35	245	123	82	50	
40	320	160	107	50	
45	540	270	180	50	
50	600	300	200	50	
55	660	330	220	50	
60	720	360	240	50	
65	780	390	260	50	
70	840	420	280	50	

* - Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph.

** - For other offsets use the following merging taper length formula for L:

For speeds of 40 mph or less, L=WS/60

For speeds of 45 mph or more, L=WS

Where: L = taper length in feet

W = width of offset in feet

S = posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

*** - Maximum downstream taper length is 100 feet. See Section 6C.08

Table 6F-10(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper* (feet)	Tangent (feet)	Conflict** (feet)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	55	110	27
60	60	120	30
65	65	130	32
70	70	140	35

* Maximum channelizing device spacing for all speeds on one-lane/two-way tapers is 20 feet.

Maximum channelizing device spacing for all speeds on downstream tapers is 20 feet.

All other tapers are as shown.

** Use on intermediate and short-term projects for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizes (CA).

*** - Maximum downstream taper length is 100 feet. See Section 6C.08

Table 6C-1. Recommended Advance Warning Sign Minimum Spacing

Road Type	Distance Between Signs*		
	A	B	C
Urban (low speed) - 25 mph or less	180 feet	100 feet	100 feet
Urban (high speed) - more than 25 mph to 40 mph	250 feet	250 feet	250 feet
Urban (high speed) - more than 40 mph	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,000 feet

* The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-4b. The A dimension is the distance from the transition or point of registration to the first sign. The B dimension is the distance between the first and second sign. The C dimension is the distance between the second and third sign. (The first sign is the sign in a three-sign series that is closest to the TTC zone. The third sign is the sign that is furthest upstream from the TTC zone.)

Legend

- Channelizer
- 28" Traffic Cone
- Work Area
- Sign and Stand
- Type III Barricade (Plain View)
- ADA Pedestrian Barricades
- NTS Not To Scale
- TA/NS Tow-Away/No Stopping
- Crash Cushion
- Flagger
- Water Filled Barrier



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LICENSE NO 792059
CLASS A, 31, C21
WBE/SBE/LBE/DBE CERTIFIED
WWW.CMCTRAFFIC.COM

Date: 5/28/2019 Author: KR/DD Project: 2792J
CLIENT: PRECISION Owner: SFPDPW Location: SAN FRANCISCO
TCP: 132 CMC Job #: 1812 REV: 0

Comments:

- 1) WORK HOURS: SATURDAY - SUNDAY (PER CALTRANS)
- 2) CONTRACTOR TO VERIFY EXISTING STRIPING IS ACCURATE PRIOR TO START OF WORK.
- 3) ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF CA MUTCD.
- 4) ALL TRAFFIC CONTROL DEVICES SHALL BE RETROREFLECTIVE IF SETUP DURING HOURS OF DARKNESS.
- 5) GRINDING AND/OR PAVING WORK WILL BE ALLOWED UP TO TWO (2) CONSECUTIVE BLOCKS AND TWO (2) CONSECUTIVE INTERSECTIONS MAXIMUM AT A TIME AND ALL TWO (2) CONSECUTIVE BLOCKS AND TWO (2) CONSECUTIVE INTERSECTIONS MUST BE PAVED WITHIN 72 HOURS FROM THE START OF GRINDING WORK, WITHOUT EXCEPTION.
- 6) DURING INTERSECTION GRINDING AND PAVING WORK, THE CROSS STREET MAY BE INTERRUPTED FOR UP TO A MAXIMUM OF TEN (10) MINUTES FOR RESIDENTIAL AREAS AND FIVE (5) MINUTES FOR COMMERCIAL AREAS. HOWEVER, CONTRACTOR MUST ALLOW ALL MUNI BUSES TO PASS THROUGH THE INTERSECTION WITHOUT ANY DELAY.
- 7) REFER TO CALTRANS ENCROACHMENT PERMIT FOR DETAILS REGARDING INTERSECTION WORK

