

STREET	TIME	NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND
<b>During Sewer Construction</b>					
Arkansas, De Haro, Kansas, Henry Adam	8AM - 6PM At Other Times	1@11' Full Roadway	1@11' Full Roadway		
17th St. S at Kansas*	9AM - 4PM (M-F) 8AM - 6PM (S/S) At Other Times			1@12' Reversible 1@12' Reversible Full Roadway	
18th & 20th Sts. at Vermont, 18th & Mariposa at Kansas St	8AM - 6PM At Other Times			1@12' Reversible Full Roadway	

# **TRAFFIC CONTROL PLAN** **2792J VARIOUS LOCATIONS #37** **SEWER WORK - KANSAS ST FROM MARIPOSA ST TO 17TH ST**

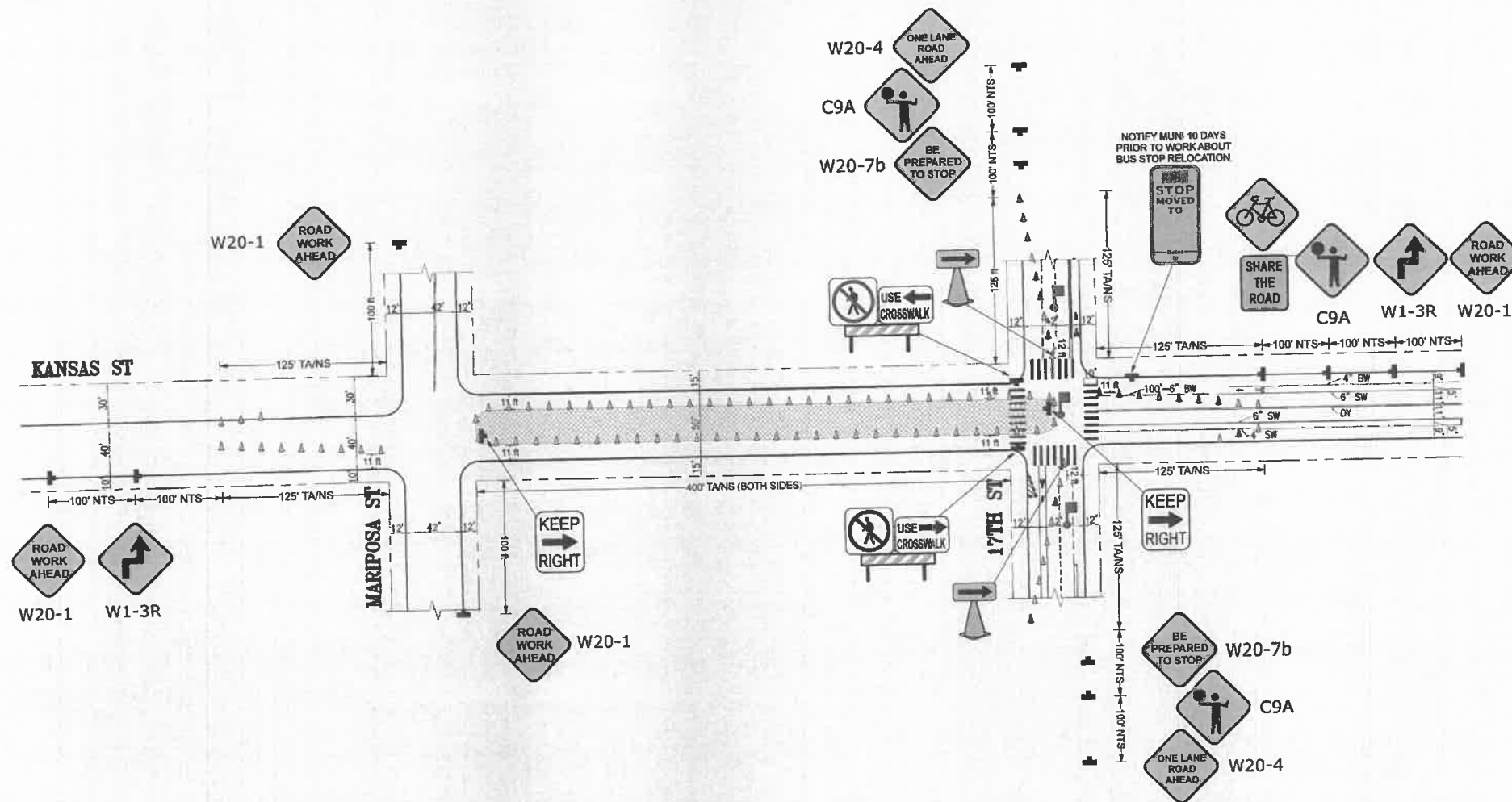


Table 6C-1(CAL) Taper Length Criteria for Temporary Traffic Control Zones (for 12 foot Offset Width)

Speed* (mph)	Minimum Taper Length** for Width of Offset 12 feet (ft)			
	Shifting L	Shifting L2	Shifting L3	Down Stream
25	80	48	27	30
35	125	65	42	45
45	180	95	60	65
55	240	135	87	90
65	300	165	107	110
75	360	200	130	135
85	420	235	155	160
95	480	270	180	185
105	540	305	205	210
115	600	340	230	235
125	660	375	255	260
135	720	410	280	285
145	780	445	305	310
155	840	480	330	335

\* Posted speed limit, or peak 60th percentile speed prior to work starting, or the anticipated operating speed in mph.

\*\* For other offsets use the following tapering length for each L.

For speeds of 40 mph or less: L=100/100

For speeds of 45 mph or more: L=100/100

Where L = taper length in feet  
 W = width of offset in feet  
 S = posted speed limit, or peak 60th percentile speed prior to work starting, or the anticipated operating speed in mph

\*\*\* Minimum downstream taper length is 100 feet. See Section 6C.26.

Table 6C-1(CAL) Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Device Spacing		
	Taper** (feet)	Transition (feet)	Condition** (feet)
20	20	40	50
25	25	50	60
30	30	60	70
35	35	70	80
40	40	80	90
45	45	90	100
50	50	100	110
55	55	110	120
60	60	120	130
65	65	130	140
70	70	140	150

\* 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 an intermediate and short-term projects for taper and tapered sections where there are no personnel monitoring or where there is a conflict between existing pavement markings and channelizers (CA).

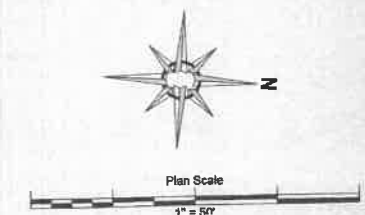


Table 6C-1. Recommended Advance Warning Sign Minimum Spacing

Road Type	Advance Warning Sign*		
	A	B	C
Urban (high speed) - 35 mph or less	100 feet	100 feet	100 feet
Urban (high speed) - more than 35 mph to 45 mph	200 feet	200 feet	200 feet
Urban (high speed) - more than 45 mph	300 feet	300 feet	300 feet
Rural	400 feet	400 feet	400 feet
Expressway / Freeway	1,000 feet	1,000 feet	1,000 feet

\* Speeds are in miles per hour. The column headings A, B, and C are the distances shown in Figure 6C-1 through 6C-4. The A distance is the distance from the first sign to the first sign. The B distance is the distance from the first sign to the second sign. The C distance is the distance from the second sign to the third sign. The "Total Sign" is the distance from the first sign to the third sign.



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

**CMC**  
TRAFFIC CONTROL  
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CLASS A, 31, C21  
WBE/SBE/LBE/DBE CERTIFIED  
WWW.CMCTRAFFIC.COM

Date: 1/10/2019 Author: KR/DD Project: 2792J  
 CLIENT: PRECISION Owner: SFPDW Location: SAN FRANCISCO  
 TCP: 035 CMC Job #: 1812 REV: 0

## Comments:

- 1) WORK HOURS: 8AM - 6PM
- 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) SEWER RELATED WORK IS ALLOWED UP TO ONE (1) BLOCK AND ONE (1) ADJACENT INTERSECTION AT A TIME.
- 6) CONTRACTOR CAN CLOSE ONE (1) CROSSWALK AT ANY ONE TIME AS LONG AS ONE (1) FLAGPERSON IS PROVIDED.
- 7) SEWER LINING AND MORTARING IS ALLOWED UP TO ONE (1) BLOCK AND THE TWO (2) ADJACENT INTERSECTIONS.

San Francisco Street Closures  
 San Francisco Municipal Transportation Agency  
 City and County of San Francisco  
 By: *KW* Date: 1/12/19