TRAFFIC CONTROL PLAN
2792J VARIOUS LOCATIONS #37
SEWER WORK - VERMONT ST FROM 18TH ST TO MARIPOSA ST

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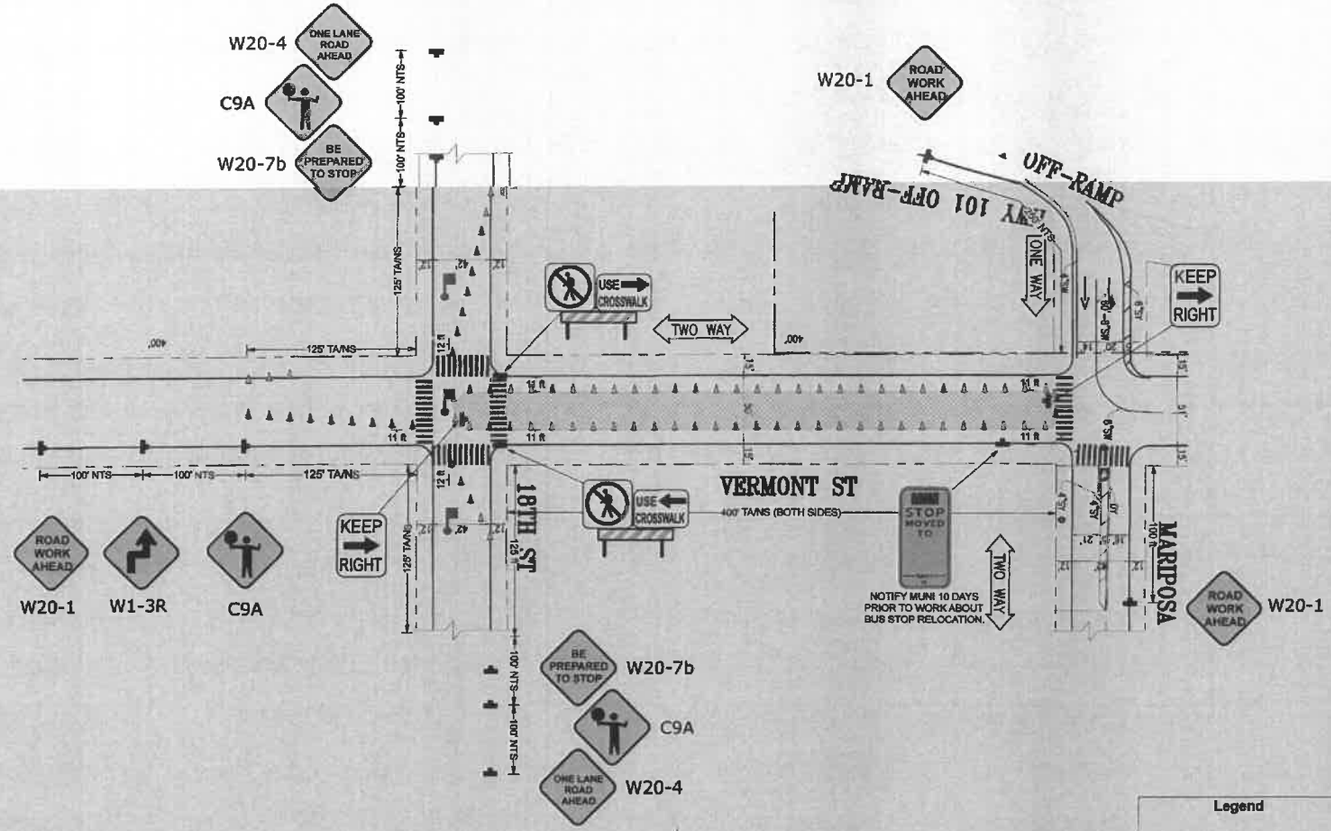
STREET	TIME	NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND
During Sewer Construction					
Vermont St. south of Mariposa St. and between Alameda and Division Streets	8AM – 6PM At Other Times	1@11 Full Roadway	1@11 Full Roadway	-	-
Division Street At Vermont St	9AM – 4PM (M – F) 8AM -6PM (S/S) At Other Times	-	-	1@11 1@11 Full Roadway	Full Roadway Full Roadway Full Roadway
Vermont St., between 16th and Mariposa Streets	9AM – 3PM (M –F) 8AM – 5PM (S/S) At Other Times	2@11' 2@11' Full Roadway	-	-	-
17th St β at Kansas*	9AM – 4PM (M-F) 8AM – 6PM (S/S) At Other Times	-	-	1@12' Reversible] 1@12' Reversible] Full Roadway	
19th & 20th Sts at Vermont 18th & Mariposa at Kansas St.	8AM – 6PM At Other Times	-	-	1@12' Reversible] Full Roadway	
Hwy 101 N/B Off-Ramp/Mariposa St. at Vermont St.	Per Caltrans' Encroachment Permit Requirements				



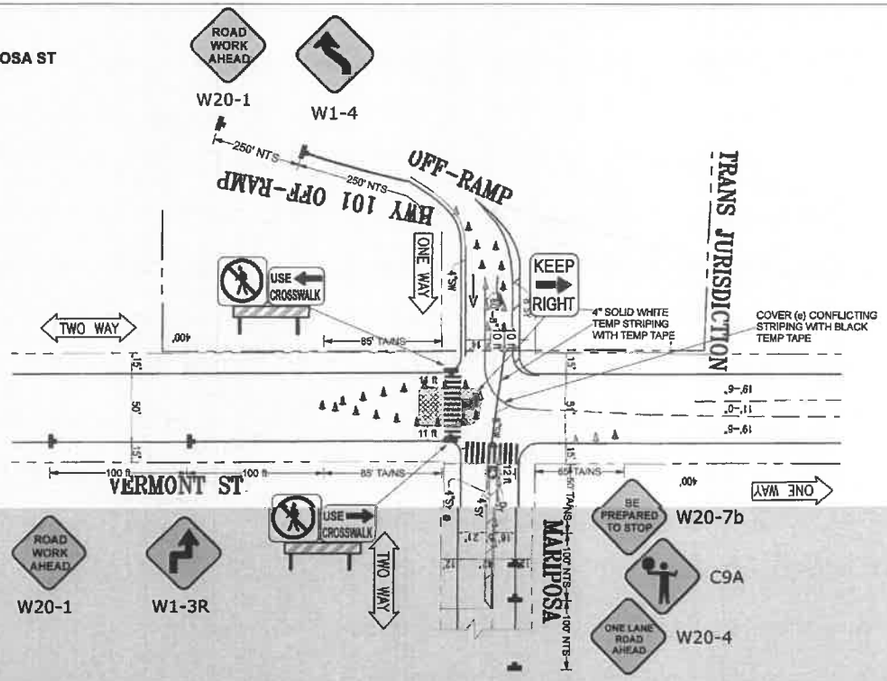


Table 90-3CAL Taper Length Criteria for Temporary Traffic Control Zones (for 12 foot Offset Width)

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L	Shifting L/2	Shoulder L/3	Lane Closure
20	80	40	27	15
25	125	60	40	15
30	180	90	60	15
35	245	125	80	15
40	320	160	105	15
45	540	270	180	15
50	600	300	200	15
55	660	330	220	15
60	720	360	240	15
65	780	390	260	15
70	840	420	280	15

* Posted speed limit, 85th-percentile speed prior to work starting, or the anticipated operating speed ½ mph.

** For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less, L=WS²/60
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, 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-1(CA). Maximum Spacing of Channelizing Devices

Speed (mph)	Maximum Channelizing Device Spacing		
	Taper* (feet)	Tangent (feet)	Curb** (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 taper is 20 feet.
All other tapers are as shown.

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

Plan Scale
1" = 50'

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

Road Type	Distance Between Signs*		
	A	B	C
Other (low speed - 25 mph or less)	100 feet	100 feet	100 feet
Urban (high speed - more than 25 mph to 40 mph)	200 feet	200 feet	200 feet
Urban (high speed) - Alone (top 40 mph)	300 feet	300 feet	300 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,000 feet	1,000 feet

* Distances between signs shown are minimum distances. The distances between signs A, B, and C are the minimum shown in Figures 6C-1 through 6C-10. The A distance is the distance from the location or point of interaction to the first sign. The B distance is the distance between the first and second signs. The C distance is the distance between the second and third signs. (The "first sign" in the sign is a message panel and is closest to the TTC zone. The "third sign" is the sign that is furthest approach from the TTC zone.)

REGISTERED PROFESSIONAL ENGINEER
PHILLIP M. MIESZKOWSKI
C76768
EXP. 12/31/18
CIVIL
STATE OF CALIFORNIA

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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Date: 1/10/2019 Author: KR/DO Project: 2792J
CLIENT: PRECISION Owner: SFDPW Location: SAN FRANCISCO
TCP: 030 CMC Job #: 1612 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.

NOTED
Sustainable Streets Division
San Francisco Municipal Transportation Agency
City and County of San Francisco
By KLW Date 2/1/19