

For any work affecting southbound South Van Ness Avenue: Caltrans approval is required. Caltrans may provide additional comments on Traffic Control Plans

- NO EXCEPTIONS TAKEN
- MAKE CORRECTIONS NOTED
- REJECTED
- REVISE AND RESUBMIT
- SUBMIT SPECIFIED ITEM(S)

Review is only for general conformance with the design concept of the project and general compliance with the requirements of the contract documents. Any action shown is subject to the requirements of the plans and specifications. Contractor's responsibilities include, but are not limited to actual dimensions which shall be confirmed and correlated at the job site; preferred fabrication processes and techniques of construction; coordination of the contractor's work with that of all other trades; and the satisfactory performance of the contractor's work.

Sustainable Streets Division  
San Francisco Municipal Transportation Agency  
City and County of San Francisco  
By: [Signature] Date: 02/21/2024

Formula for Taper Length 'L'

$$L = \frac{WS^2}{60} \quad (40 \text{ mph or less}) \quad L = WS \quad (45 \text{ mph or greater})$$

$L$  = Taper Length in feet  
 $W$  = Width of Offset in feet  
 $S$  = Speed in mph

Table A-1

Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length
Upstream Tapers	
Merging Taper	L MINIMUM
Shifting Taper	1/2 L Minimum
Shoulder Taper	1/3 L Minimum
Two-Way Traffic Taper	100 feet Maximum
Downstream Tapers	
(Use is optional)	100 feet Minimum

Table A-2

Suggested Advance Warning Sign Spacing

Road Type	Distance Between Signs in Feet
	S
Urban - 25 mph or less	200
Urban - 30 mph or more	350
Rural	500
Expressway/Freeway	1000

Table A-3

Taper Length and Buffer Space  
Use in Typical Applications Diagrams

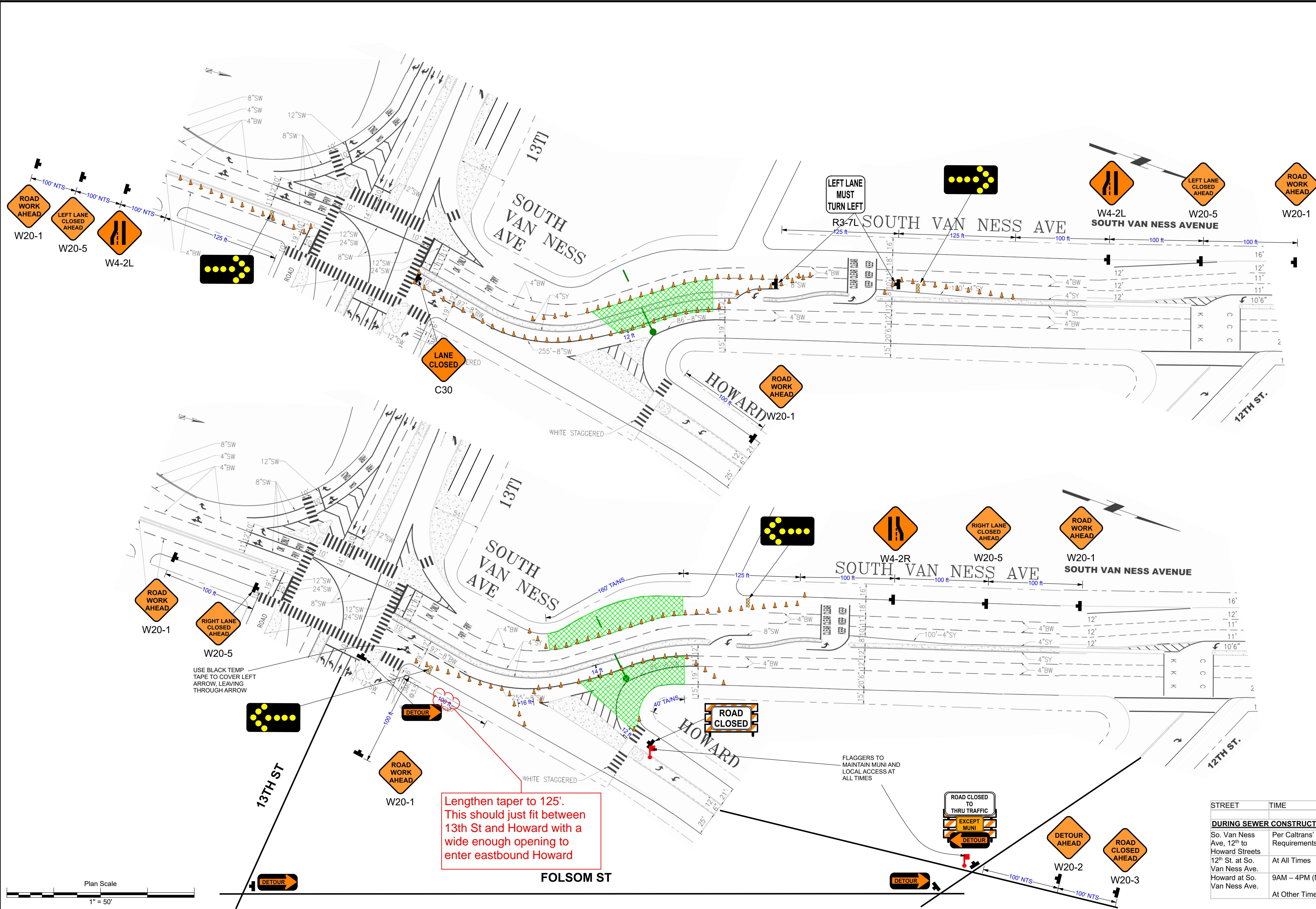
Length of Taper 'L' in Feet			Longitudinal Buffer Space	
Speed in Miles per Hour*	Width of Offset**	11 Feet	12 Feet	Length of Buffer Space in Feet
20	73	80		35
25	115	125		55
30	165	180		85
35	225	245		120
40	293	320		170
45	495	540		220
50	550	600		280
55	605	660		335
60	660	720		415
65	715	780		485
70	770	840		585

\* Posted speed, off-peak 85th percentile speed prior to starting, or the anticipated operation speed.

\*\* For other offset widths, apply the formula in table A-1.

Traffic Lane Requirements  
Number and Width of Lanes

STREET	TIME	NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND
<b>DURING SEWER CONSTRUCTION</b>					
So. Van Ness Ave, 12 <sup>th</sup> to Howard Streets	Per Caltrans' Requirements	1@14' Full Roadway	Per Caltrans' Requirements	-	-
12 <sup>th</sup> St. at So. Van Ness Ave.	At All Times	Full Roadway	Full Roadway	-	-
Howard at So. Van Ness Ave.	9AM - 4PM (M-F)	-	-	Full Roadway	Road Closed To Through Traffic Full Roadway
	At Other Times			Full Roadway	



COMPASS

LEGEND

Flashing Arrow Board	Work Area
Flashing Arrow Board (Plan View)	Sign and Stand
28" Traffic Cones	Water Filled Barrier
Temporary Delineator	ADA Pedestrian Barrier
Type 1 Barricades	MUNI WIRES
Type 3 Barricades	TEMP STRIPING
NTS: Not to Scale	
TANS: Tow-Away / No Stopping	
Flagger	

STAMP

**TRAFFIC CONTROL PLAN**

**PW VARIOUS LOCATION PAVEMENT RENOVATION**

**NO. 54 AND SEWER REPLACEMENT**

**SOUTH VAN NESS AVE FROM 12TH ST TO HOWARD ST**

GENERAL NOTES:

- CONTRACTOR TO VERIFY EXISTING STRIPING IS ACCURATE PRIOR TO START OF WORK.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF CA MUTCD.
- THE CONTRACTOR SHALL NOT PREVENT OR DELAY THE OPERATION OF MASS TRANSIT VEHICLES AT ANY TIME.
- THE CONTRACTOR SHALL PERFORM THE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF BICYCLISTS ON ALL STREETS ON WHICH THERE IS CONSTRUCTION.

**DR TRAFFIC CONTROL, LLC**

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