Traffic Lane Requirements Number and Width of Lanes for Through Traffic

STREET	TIME	NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND
During Concrete	Base Construction	1			
Somerset,	8AM - 6PM	1@10'	1@10'	2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Goettingen, Brussels,	At Other Times	Full Roadway	Full Roadway	팓	42
Woolsey between	9AM - 4PM (M-F)	-	-	1@14'‡	1@14'‡
Holyoke and	8AM - 6PM (S/S)	-	-	1@14'‡	1@14'\$
University Sts.	At Other Times			Full Roadway	Full Roadway
Woolsey between Holyoke and	8AM – 6PM	-	-:	Road Closed to Through Traffic	Road Closed to Through Traffic
Girárd Sts.	At Other Times	-	-	Full Roadway	Full Roadway
Salinas at Gould	9AM – 4PM (M-F)	-	-	1@11'	1@11'
St.	8AM - 6PM (S/S)	=	(<u>-</u> 1)	1@11'	1@11'
	At Other Times	-	=:	Full Roadway	Full Roadway
Salinas Ave. at	8AM - 6PM	ë	429.	24	1@10'
Carr St.	At Other Times	<u> </u>	<u>~</u> 6	-	Full Roadway
Colby, Hamilton,	9AM - 4PM (M-F)	1@10'	1@10'	-	(=
Dartmouth,	8AM - 6PM (S/S)	1@10'	1@10'	-	7 7 7 7 7 7
Bowdoin,	At Other Times	Full Roadway	Full Roadway	- a	
Holyoke at	9AM - 4PM (M-F)	1@11'	1@11'	-	-
Woolsey, San	8AM - 6PM (S/S)	1@11'	1@11'	-	\$
Bruno Áve.,	At Other Times	Full Roadway	Full Roadway	=	-
Paul Ave. between		-	-	1@11'	1@11'
Bayshore and San		ä	Secretary Control of the Control of	1@11'	1@11'
Bruno Ave. β*	At Other Times	=	발	Full Roadway	Full Roadway
	9AM - 4PM (M-F)	ם	129	Road Closed	1@12'
Bayshore Blvd. ***		<u> </u>	<u>~</u> 6	Road Closed	1@12'
β	At Other Times	2	<u></u>	Full Roadway	Full Roadway
Bayshore Blvd.	9AM – 4PM (M-F)	1@12'	1@12'	=	(
	8AM - 6PM (S/S)	1@12'	1@12'	-	(-
	At Other Times	Full Roadway	Full Roadway	*	15
Wheat, Crane	9AM – 4PM (M-F)	5-a	1@12'	-	
	8AM - 6PM (S/S)	-	1@12'	-	=
	At Other Times	- -	Full Roadway	-	-
Gould, Exeter,	9AM – 4PM (M-F)	1@10'‡	1@10'‡	-	-
Carr, Street,	8AM - 6PM (S/S)	1@10'‡	1@10'‡	-	:=
	At Other Times	Full Roadway	Full Roadway	-	-

- The Contractor shall not prevent or delay the operation of mass transit vehicles at any time. TC = Trolley Coach, MC = Motor Coach, MM = SFMTA Metro. See Subsection 3.3 MASS TRANSIT VEHICLES for more information.
- During sewer, concrete base, grinding and paving construction on Paul Ave. between Bayshore Blvd. and 3rd Street, Contractor may close Paul Ave. to all eastbound traffic. However, Contractor must inform and coordinate with Muni Operations, 10 working days in advance, to detour Muni Bus Line No. 29 eastbound on Paul Ave. via Bayshore Blvd. southbound and eastbound on Salinas Ave. during construction working hours.
- The Contractor shall perform the appropriate measures to ensure the safety of bicyclists on ALL streets on which there is construction. Contractors shall pay special attention to streets that are on the Bicycle Route Network. See Blue Book Section 9: Bicycle Routes or on the internet at:

http://www.sfmta.com/services/streets-sidewalks/construction-regulations The Contractor shall install "Bicyclists Allowed Use of Full Lane" signs, or other approved equal, on streets with bicycle lanes during construction.

■ NO EXCEPTIONS TAKEN

☐ REVISE AND RESUBMIT

☐ SUBMIT SPECIFIED ITEM(S)

□ REJECTED

MAKE CORRECTIONS NOTED

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 o

construction; coordination of th

contractor's work with that of all other

trades; and the satisfactory performance o

Sustainable Streets Division

an Francisco Municipal Transportation Agency

County of San Francisco

the contractor's work.

The Contractor shall designate the lane for two-way traffic with a flag person at each end of the two-way road segment to control the flow of traffic. This operation shall be restricted to one block at a time.

LEGEND

////// WORK ZONE

PAVEMENT MARKING

BARRICADE (TYPE 1. 3. OR ADA AS NOTED)

28", 10# REFLECTIVE CONE Θ

• • 36" FIXED-MOUNT CHANNELIZER, ORANGE WITH WHITE RETRO-REFLECTOR, UON

T

POST TEMP. TOW AWAY / NO STOPPING SIGNS

PLAN VIEW FLASHING ARROW SIGN (FAS) OR CHANGEABLE MESSAGE SIGN (CMS)

FLASHING ARROW SIGN SPEED RADAR TRAILER

• **FLAGMAN**

UNIFORMED POLICE OFFICER OR PARKING CONTROL OFFICER

WATER-FILLED LCD OR BARRIER AS NOTED

ADA PLASTIC PEDESTRIAN BARRICADE / LCD CONCRETE K-RAIL BARRIER

CRASH CUSHION, TL RATING AS NOTED

PER CALTRANS STANDARDS

TEMP PEDESTRIAN RAMP PER CALTRANS STD DRAWINGS T33 & T34

TEMP STRIPING DETAIL PER CALTRANS STDS

REMOVE CONFLICTING STRIPING

APROACH | TABLE A - MAXIMUM CHANNELIZER SPACING TANGENT CONFLICT 1-LANE, DOWN-(MPH) STREAM (FT (FT) (FT) 2-WAY 20 20 20 20 40 25 50 12 20 20 30 60 15 20 20 20 70 20 40 80 20 20 20 45 45 90 22 20 20 50 50 100 20 20 25 55 50 100 25 20 20 60 50 100 25 20 20 20 65 50 100 25 20 70 50 100 20 20 25 75 50 100 25 20 20

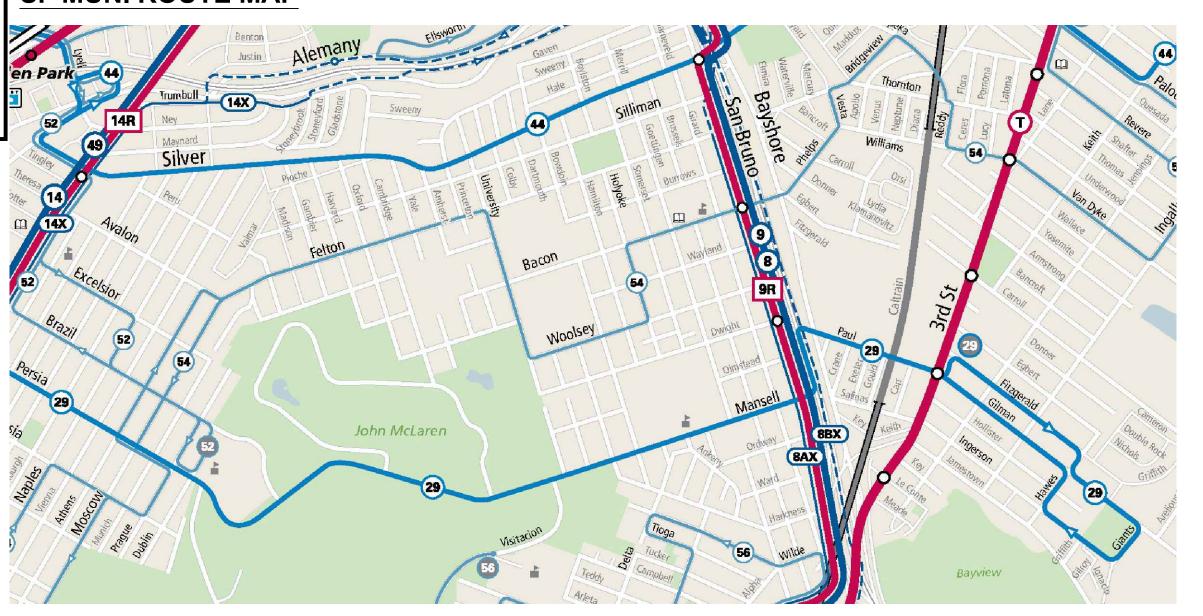
	1,7522.5					
}	MINIMUM TAPER LENGTH FOR WIDTH OF OFFSET = 12 FT					
APROACH SPEED	MERGING L	SHIFTING L/2	SHOULDER	ONE LANE, TWO-WAY	BOWN- STREAM	
(MPH)	(FT)	(FT)	(FT)	(FT)*	(FT)*	
20	80	40	27	50	50	
25	125	63	42	50	50	
30	180	90	60	50	50	
35	245	123	82	50	50	
40	320	160	107	50	50	
45	540	270	180	50	50	
50	600	300	200	50	50	
55	660	330	220	50	50	
60	720	360	240	50	50	
65	780	390	260	50	50	
70	840	420	280	50	50	
75	900	450	300	50	50	

MARTE BANKS TO THE TOTAL PROPERTY OF THE PROPE

* MAXIMUM TAPER LENGTH FOR ONE-LANE TWO WAY AND DOWNSTREAM TAPERS IS 100 FT

TABLE C - ADVANCE WARNING SIGN SPACING					
ROAD TYPE	SIGN SPACING (FT)				
URBAN 25 MPH OR LESS	100				
URBAN MORE THAN 25 MPH TO 40 MPH	250				
URBAN MORE THAN 40 MPH	350				
RURAL	500				
EXPRESSWAY / FREEWAY	1,000 (CLOSEST TO WORK ZONE)				
	1,500 (SECOND)				
	2,640 (FIRST SIGN SEEN BY PUBLIC)				

SF MUNI ROUTE MAP



NOTES:

- Only applicable for 12' offsets
- 1. WORK SCOPE: CONCRETE STREET BASE REPAIR
- 2. WORK HOURS: SEE CHART
- 3. EXPECTED DURATION: APPROXIMATELY 2 SHIFTS PER PHASE.
- 4. PROVIDE FULL ROADWAY DURING NON-WORKING HOURS, UNLESS OTHERWISE NOTED
- PROVIDE LOCAL ACCESS AT ALL TIMES.
- NOTIFY RESIDENTS, BUSINESSES, AND PROPERTY OWNERS WITH DATES AND TIMES THAT THEIR ACCESS WILL BE AFFECTED 2 WEEKS PRIOR TO START OF WORK.
- 7. SEE CONTRACT SPECIFICATION SECTION 01 55 26 FOR ADDITIONAL NOTES
- 8. ALL TRAFFIC CONTROL SHALL FOLLOW THE CA MUTCD, LATEST EDITION
- 9. ALL TRAFFIC CONTROL DEVICES SHALL BE RETROREFLECTIVE AND CRASHWORTHY AS DEFINED IN THE CA MUTCD.
- 10. FLAGGER STATIONS SHALL BE ILLUMINATED DURING HOURS OF DARKNESS
- 11. MOUNT 2 ORANGE FLAGS ABOVE EACH SIGN. SEE TABLE 6F-1 IN CHAPTER 6 OF THE CA MUTCD FOR SIGN SIZES. MINIMUM SIGN HEIGHT FOR TEMPORARY SIGNS IS 1' FROM THE GROUND TO THE BOTTOM OF THE SIGN. IF A SIGN WILL BE IN PLACE FOR MORE THAN 3 DAYS, MINIMUM SIGN HEIGHT IS 7'.
- 12. CONTRACTOR TO VERIFY ACCURACY OF EXISTING STRIPING PRIOR TO START OF WORK.
- 13. IF TRENCH PLATES ARE USED, PLACE A W8-24 "STEEL PLATE AHEAD" SIGN IN ADVANCE.
- 14. A C27 "OPEN TRENCH" SIGN SHALL BE USED IN ADVANCE OF OPEN TRENCHES IN/OR ADJACENT TO THE ROADWAY. ALL OPEN TRENCHES SHALL BE CLEARLY DELINEATED AND BARRICADED DURING WORKING HOURS AND FILLED OR PLATED DURING NON-WORKING HOURS.
- 15. IF A STEP OR RIDGE IN THE PAVEMENT EXCEEDS $\frac{3}{8}$ " PARALLEL TO THE DIRECTION OF TRAVEL OR $\frac{3}{4}$ " PERPENDICULAR TO THE DIRECTION OF TRAVEL, POST A C46(CA) "UNEVEN PAVEMENT" SIGN (OR W8-11 "UNEVEN LANE" SIGN IF ALONG A LANE LINE). IF THE STEP EXCEEDS 3", DO NOT RE-OPEN THE ROADWAY UNTIL CORRECTED.
- 16. CONTRACTOR SHALL DELINEATE A 5' (4' MINIMUM) SAFE PATH OF TRAVEL FOR PEDESTRIANS USING PLASTIC ADA-COMPLIANT PEDESTRIAN BARRICADES WITH A DETECTABLE AND CONTINUOUS TOE-BOARD. THE BOTTOM OF THE TOE BOARD SHALL BE NO MORE THAN 2" ABOVE GRADE AND THE TOP SHALL BE AT LEAST 6" ABOVE GRADE. THE SAFE PATH OF TRAVEL SHALL CONSIST OF A HARD, SMOOTH, CONTINUOUS SURFACE WITH A MAXIMUM SLOPE OF 5% AND CROSS SLOPE OF 2%. SURFACE DISCONTINUITIES MUST NOT EXCEED 1 AND VERTICAL DISCONTINUITIES BETWEEN 1/4 AND ¹/₂" MUST BE BEVELED AT A MAXIMUM OF 2:1 OR FLATTER. REFER TO THE CALTRANS TEMPORARY PEDESTRIAN ACCESS ROUTES HANDBOOK FOR ADDITIONAL DETAILS.
- 17. TEMPORARY CURB RAMPS MUST NOT HAVE SURFACE DISCONTINUITIES. THE LONGITUDINAL SLOPE MUST BE NO GREATER THAN 8.3%. EDGE PROTECTION MUST BE AT LEAST 2" HIGH ON EACH SIDE IF IT DOES NOT HAVE FLARES AND THE RISE IS GREATER THAN 6". A DETECTABLE WARNING SURFACE MUST BE USED. REFER TO CALTRANS STANDARD PLANS T33 AND T34 FOR ADDITIONAL DETAILS.
- 18. TEMPORARY PAVEMENT MARKING TAPE MAY BE USED FOR TEMPORARY STRIPING. TEMP LANE LINES ARE 4" WIDE, UON. CROSSWALKS AND LIMIT LINES ARE 12" WIDE. USE BLACK TAPE TO COVER/REMOVE EXISTING CONFLICTING STRIPING. USE OF BLACK PAINT TO COVER EXISTING STRIPING IS NOT ALLOWED. RESTORE ORIGINAL STRIPING PER T DRAWINGS WHEN WORK IS COMPLETE.

ABBREVIATIONS:

ADA	AMERICAN WITH
	DISABILITIES ACT
ADAAG	ADA ACCESSIBILITY
	GUIDELINES
AFAD	AUTOMATED FLAGGER
A) (E	ASSISTANCE DEVICE
AVE	AVENUE
BW	BROKEN WHITE (STRIPE)
BY	BROKEN YELLOW (STRIPE)
CAL/OSHA	CALIFORNIA OCCUPATION
	SAFETY AND HEALTH
	ADMINISTRATION
CA MUTCD	CALIFORNIA MANUAL ON
	UNIFORM TRAFFIC
	CONTROL DEVICES FOR
	STREETS AND HIGHWAYS
CALTRANS	CALIFORNIA DEPARTMENT
	OF TRANSPORTATION
CHP	CALIFORNIA HIGHWAY
	PATROL
CMS	CHANGEABLE MESSAGE
	SIGN
COZEEP	CONSTRUCTION ZONE
	ENHANCED ENFORCEMEN
	PROGRAM
CVC	CALIFORNIA VEHICLE COD
DOT	DEPARTMENT OF
	TDANCDODTATION

DOT TRANSPORTATION DY DOUBLE YELLOW (STRIPE) DW DRIVEWAY EB EAST-BOUND EP **EDGE OF PAVEMENT** ES EDGE OF SHOULDER ETW EDGE OF TRAVELED WAY EXP **EXPRESSWAY** FAS FLASHING ARROW SIGN FHWA FEDERAL HIGHWAY ADMINISTRATION FS FAR SIDE FWY FREEWAY

LCD LONGITUDINAL CHANNELIZING DEVICE LINEAR FOOT LL LIMIT LINE (12" SW) LN LANE LEVEL OF SERVICE MAX MAXIMUM MPH MILES PER HOUR MUTCD MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NORTH

NB NORTH-BOUND NCHRP NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM NS **NEAR SIDE** NTS NOT TO SCALE ОН OVERHEAD

> OCCUPATIONAL SAFETY **OSHA** AND HEALTH **ADMINISTRATION PCMS** PORTABLE CHANGEABLE **MESSAGE SIGN** PΕ PROFESSIONAL ENGINEER PED PEDESTRIAN PMPOST MILE OR AFTERNOON

RD ROAD **ROW** RIGHT OF WAY RR RAILROAD **RTE** ROUTE RW ROADWAY R/W **RIGHT OF WAY** SOUTH **SOUTH-BOUND** SR STATE ROUTE STREET STD STANDARD SW SIDEWALK

SW SOLID WHITE (STRIPE) SY SOLID YELLOW (STRIPE) TA/NS TOW AWAY / NO STOPPING TC TRAFFIC CONTROL TCP TRAFFIC CONTROL PLAN **TEMP TEMPORARY** TS TRAFFIC SIGNAL TTC TEMPORARY TRAFFIC

CONTROL

TYP **TYPICAL** UON UNLESS OTHERWISE NOTED W WEST WB

WEST-BOUND

A REDUCED PRINT - SCALE ACCORDINGLY GRAPHIC SCALE No. Revisions Date Appr

IF THIS SHEET IS NOT 24"x36", IT IS



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Engineer Of Record: PHIL MIESZKOWSKI, PE



DESIGN DOCUMENTS TEMPORARY TRAFFIC CONTROL

MICHAEL O'SHAUGHNESSY CONSTRUCTION SAN FRANCISCO PUBLIC WORKS

SFPW 1000015860 PAUL AVE, WOOLSEY ST AND SALINAS AVE PAVEMENT RENOVATION AND SEWER REPLACEMENT

TEMPORARY TRAFFIC CONTROL PLAN FOR CONCRETE BASE REPAIR ON PAUL AVE, WOOSLEY ST, AND SALINAS AVE - SHEET

CI Job 137 Drwn By PM Chckd By PM

TCP-031 Issue Date 1/19/2022