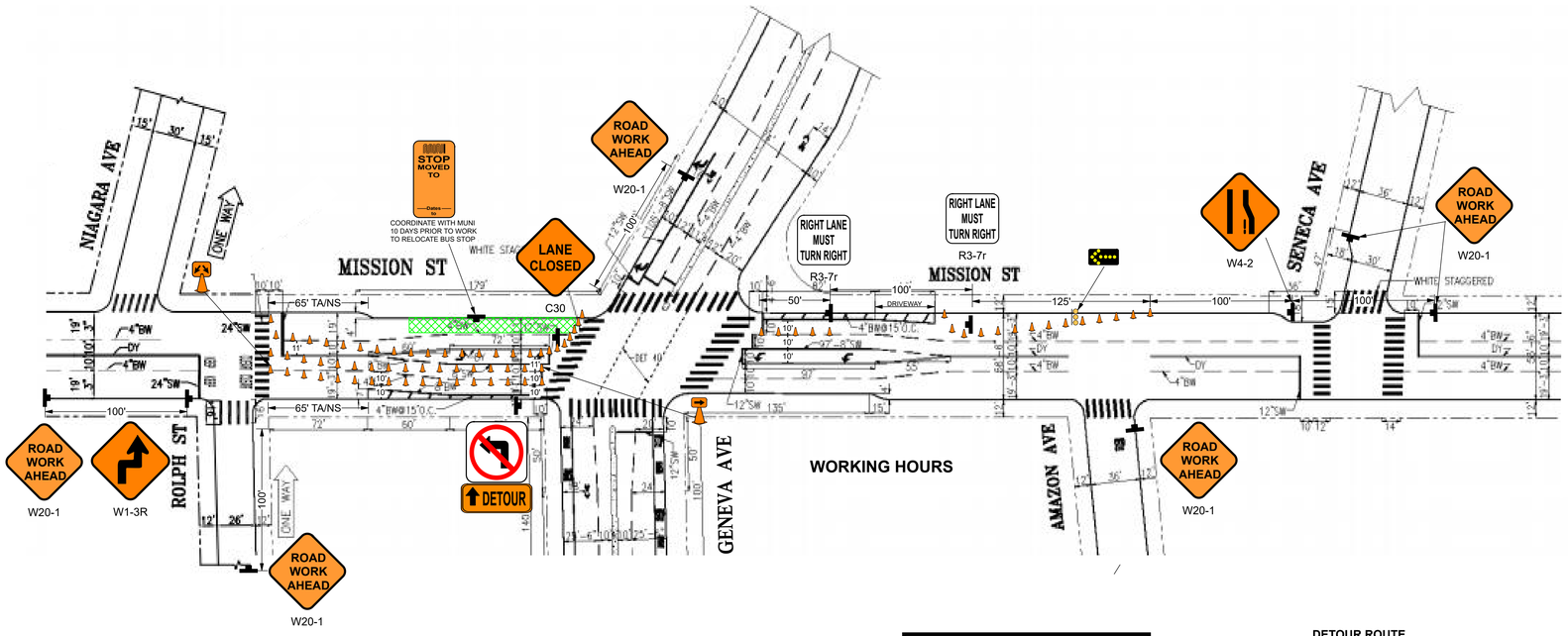
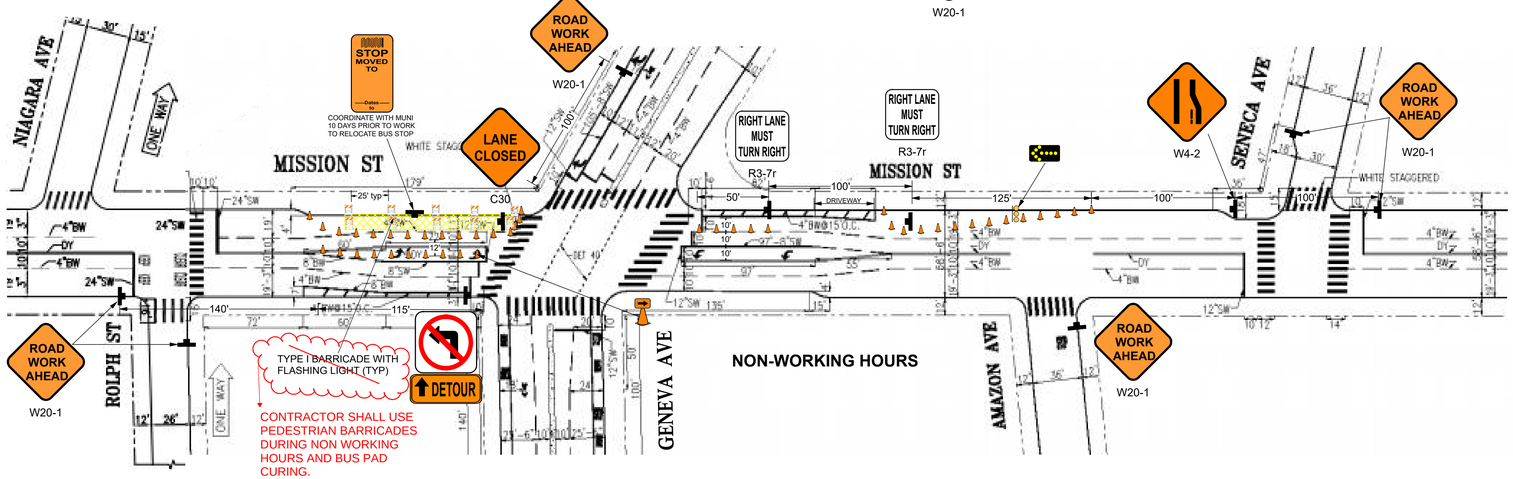
TRAFFIC CONTROL PLAN
MISSION ST & GENEVA AVE IMPROVEMENT PROJECT - 0000005626
BUS PAD PLAN - MISSION ST, GENEVA AVE TO ROLPH ST

Traffic Lane Requirements
Number and Width of Lanes

BUS PAD WORK					
STREET	TIME	NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND
MISSION STREET					
Rolph St to Geneva Ave (See note 3.2.E.1.a.)	During bus pad south of Geneva 9AM – 3PM (M-F) Non-Working Hrs At Other Times During bus pad north of Geneva 9AM – 3PM (M-F) Non-Working Hrs All Other Times	 2@10'TH 2@10'TH Full Rdwy 1@11'LT/1@11'TH/1@10'RT 1@11'LT/1@12'TH/1@10'RT Full Rdwy	 1@11' 1@12' Full Rdwy Full Rdwy Full Rdwy Full Rdwy	 - - - - - -	 - - - - - -
Geneva Ave to Amazon Ave (See note 3.2.E.1.a.)	During bus pad south of Geneva 9AM – 3PM (M-F) Non-Working Hrs At Other Times During bus pad north of Geneva 9AM – 3PM (M-F) Non-Working Hrs All Other Times	 Full Rdwy Full Rdwy Full Rdwy 1@11' 1@12' Full Rdwy	 1@10'LT/1@10'TH/1@10'RT 1@10'LT/1@10'TH/1@10'RT Full Rdwy 1@10'LT/1@10'TH 1@10'LT/2@10'TH Full Rdwy	 - - - - - -	 - - - - - -

3.2.E.1.a. The bus pads on Mission Street and Geneva must not be constructed in the same phase to provide required travel lanes.





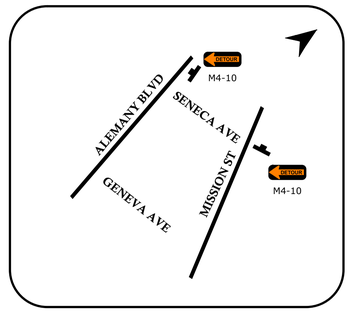
- ☐ NO EXCEPTIONS TAKEN
- ☒ MAKE CORRECTIONS NOTED
- ☐ REJECTED
- ☐ REVISE AND RESUBMIT
- ☐ SUBMIT SPECIFIED ITEM(S)

Review is only for general conformance wi the design concept of the project and genera compliance with the requirements of the contract documents. Any action shown s subject to the requirements of the plans and specifications. Contractor™s responsibilities include, but are not limited to actua dimensions which shall be confirmed and correlated at the job site; preferred fabrication processes and techniques o construction; coordination of the contractor™s work tbvi 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 _____ Date 7/24/23

DETOUR ROUTE



REGISTERED PROFESSIONAL ENGINEER
CRYSTAL J. MIKS
C 62709
EXP. 6/30/24
CIVIL
STATE OF CALIFORNIA

Legend

	28" Traffic Cone
	Delineator
	Pedestrian Barricade
	Work Area
	Sign and Stand
	Type I Barricade
	Type III Barricade
	Flagger
	Parking Control Officer
NTS	Not To Scale
TA/NS	Towaway/No Stopping
	Curing Concrete

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

Speed* S (mph)	Minimum Taper Length** for Width of Offset 12 feet (W)			
	Merging L (feet)	Shifting L/2 (feet)	Shoulder L/3 (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
75	900	450	300	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 = 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, off-peak 85th-percentile speed prior to work, or the anticipated operating speed in mph
*** - Maximum downstream taper length is 100 feet. See Section 6C.08.

Table 6F-101(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	50	100	25
60	50	100	25
65	50	100	25
70	50	100	25
75	50	100	25

* 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 channelizing devices.

Table 6C-1. Recommended Advance Warning Sign Spacing

Road Type	Distance Between Signs**		
	A	B	C
Urban - 25 mph or less***	100 feet	100 feet	100 feet
Urban - more than 25 mph to 40 mph***	250 feet	250 feet	250 feet
Urban - 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	2,640 feet

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (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.)
*** Posted speed limit, off-peak 85th-percentile speed prior to work starting, or other anticipated operating speed in mph.

Plan Scale
1" = 50'

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Date: 01/03/2023 **Author:** KMH **Project:** MISSION ST & GENEVA AVE
Client: BAUMAN LANDSCAPE **Location:** SAN FRANCISCO **TCP:** 052
Job #: 3405 **Rev:** 0

Comments:
1) WORK HOURS: SEE TRAFFIC LANE REQUIREMENTS
2) CONTRACTOR TO VERIFY EXISTING STRIPING IS ACCURATE PRIOR TO START OF WORK.
3) ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE CA MUTCD.
4) ALL TRAFFIC CONTROL DEVICES SHALL BE RETROREFLECTIVE IF SETUP DURING HOURS OF DARKNESS.
5) THE CONTRACTOR SHALL NOT PREVENT OR DELAY THE OPERATION OF MASS TRANSIT VEHICLES AT ANY TIME.
6) THE CONTRACTOR SHALL NOTIFY SFMTA AT LEAST TEN (10) WORKING DAYS IN ADVANCE OF DOING ANY WORK IN EXISTING PASSENGER LOADING AND UNLOADING ZONE. THE SFMTA MAY TEMPORARILY AUTHORIZE THE RELOCATION OF THESE ZONES.
7) CURE CONCRETE BUS PAD FOR 7 DAYS MINIMUM, UNLESS OTHERWISE APPROVED BY CITY REPRESENTATIVE.