

Speed ^a S (mph)	Minimum Taper Length ^{b,c} 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

Speed (mph)	Maximum Channelizing Devices Spacing		
	Taper ^a (feet)	Tangent (feet)	Conflict ^{a*} (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

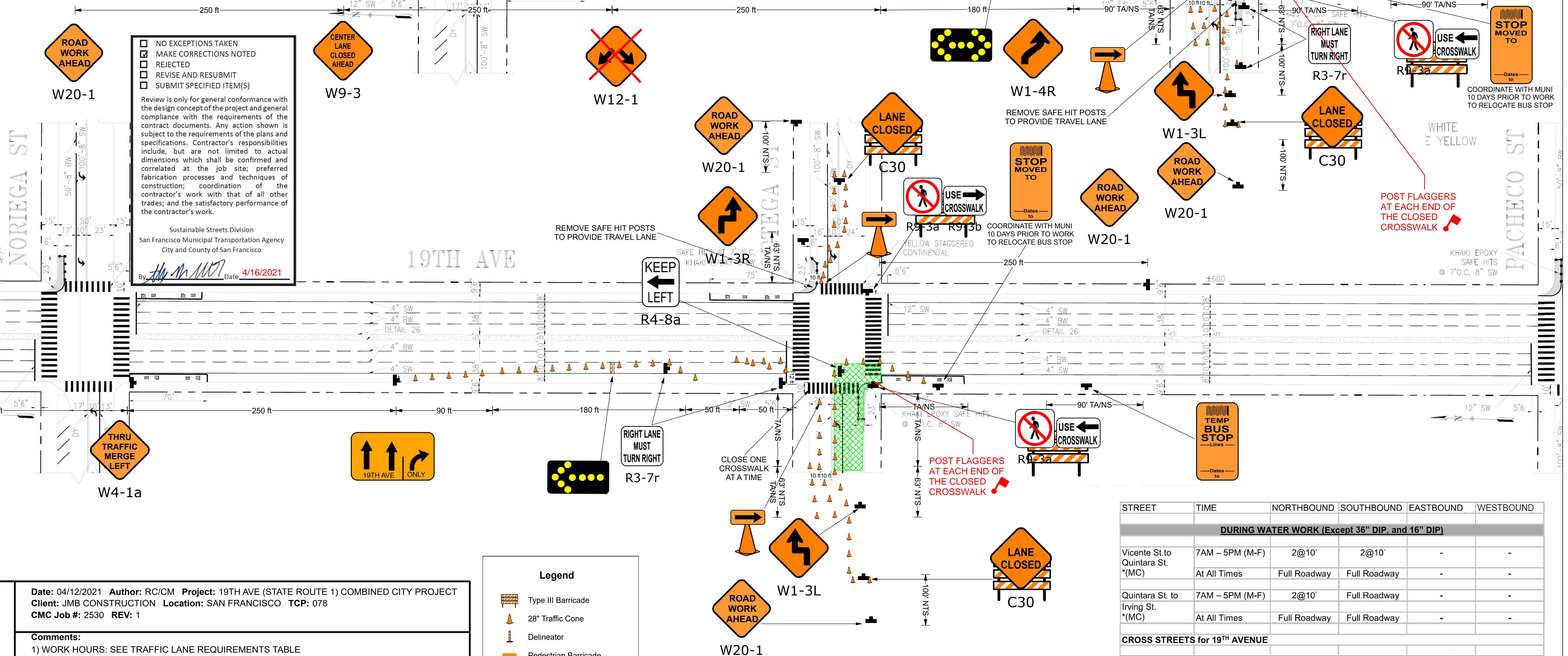
Road Type	Distance Between Signs**		
	A	B	C
Urban divided freeway - 25 mph or less***	100 feet	100 feet	100 feet
Urban - more than 25 mph to 40 mph***	250 feet	250 feet	250 feet
Urban divided freeway - more than 40 mph***	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	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-6. 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.)














** - For other offsets use the following merging taper length formula for L:
For speeds of 40 mph or less, $L = WS^2/60$
For speeds of 45 mph or more, $L = WS$

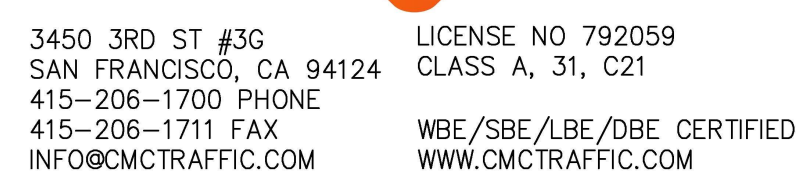
L = taper length in feet
W = width of offset in feet
S = posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

*** - Maximum downstream taper length is 100 feet. See Section 6C.08.



STREET	TIME	NORTHBOUND	SOUTHBOUND	EASTBOUND	WESTBOUND
DURING WATER WORK (Except 36" DIP, and 16" DIP)					
Vicente St. to Quintara St. *(MC)	7AM – 5PM (M-F) At All Times	2@10' Full Roadway	2@10' Full Roadway	- -	- -
Quintara St. to Irving St. *(MC)	7AM – 5PM (M-F) At All Times	2@10' Full Roadway	Full Roadway Full Roadway	- -	- -
CROSS STREETS for 19TH AVENUE					
Ulloa St	7AM – 5PM (M-F) At Other Times	- -	- -	1@10' Full Roadway	1@10' Full Roadway
Taraval St. (south crossing) *(MC, MM) ★	9AM – 3PM (M-F) At Other Times	- -	- -	Closed © (Except Muni) Full Roadway	Full Roadway Full Roadway
Taraval St. (north crossing) *(MC, MM) ★	9AM – 3PM (M-F) At Other Times	- -	- -	Full Roadway Full Roadway	Closed © (Except Muni) Full Roadway
Santiago St Rivera St	7AM – 5PM (M-F) At Other Times	- -	- -	1@10' Full Roadway	1@10' Full Roadway
Quintara St *(MC)	7AM – 5PM (M-F) At Other Times	- -	- -	1 @ 11' Full Roadway	1 @ 11' Full Roadway
Pacheco St. Ortega St.	7AM – 5PM (M-F) At Other Times	- -	- -	1@10' Full Roadway	1@10' Full Roadway

	Type III Barricade
	28\"
	Delineator
	Pedestrian Barricade
	Work Area
	Sign and Stand
	Direction of Travel
	Concrete K-Rail
	Crash Cushion
NTS	Not To Scale
T/AVS	Tow-Away/No Stopping
	Parking Control Office
	Flagger
	Type I Barricade
	Flashing Beacon



Comments:
1) WORK HOURS: SEE TRAFFIC LANE REQUIREMENTS TABLE
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) MAINTAIN LOCAL ACCESS TO BUSINESSES AND RESIDENTS AT ALL TIME.
6) THE CONTRACTOR SHALL NOT PREVENT OR DELAY THE OPERATION OF MASS TRANSIT VEHICLES AT ANY TIME.
7) THE CONTRACTOR SHALL PERFORM THE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF BICYCLISTS ON ALL STREET ON WHICH THERE IS CONSTRUCTION.