

Alaskan Way Viaduct and Seawall Replacement Program

SR 99 Elements	Surface & Transit 1 NEW	Surface & Transit 2	Surface & Transit 3	Independent Elevated	Integrated Elevated	Bored Bypass Tunnel	Cut & Cover Tunnel	Lidded Tren
	A	B	C	D	E	F	G	H
Alaskan Way Surface Roadway								
Boulevard Two-Way	✓	✓		✓			✓	✓
Central Waterfront # of Thru Lanes	4	4		4			4	4
One-Way Couplet: Alaskan Way & Western			✓		✓	✓		
Central Waterfront Basic Lanes			3/3		2/2	3/3		
Couplet Crossover Concept: Tunnel under Market			✓			✓		
SR 99 Cross Sections (space in waterfront between streetwalls is 180-200')								
Surface Roadway two-way = four 11' lanes, one 12' turn, two 5' bike, one 8' parking	84'	84'						
Surface Roadway one-way = three 11' lanes, one 5' bike, one 10' loading, one 8' parking			56'					
Elevated = four 12' lanes, two 10' shoulders (R), two 4' shoulder (L) + 8'				84'				
Cross Section Under Development					70' - 80'			
Tunnel Bores (2) = two 12' lanes, one 10' shoulder (R), one 4' shoulder (L) + 4'						2x42'		
Tunnel = four 12' lanes, two 10' shoulders (R), two 4' shoulders (L) + 6'							82'	
Tunnel = four 12' lanes, two 10' shoulders (R), two 4' shoulders (L) + 8'								84'
Alaskan Way Surface Cross Sections (space in waterfront between streetwalls is 180-200')								
Four 11' lanes, 12' turn lane, two 5' bike, one 10' loading, one 8' parking	84'	84'		84'			84'	
Three one way (SB) 11' lanes, one 5' bike, one 10' loading, one 8' parking			56'			56'		
Cross Section Under Development					TBD			
Four 11' lanes, two bike lanes, two 9' parking								72'
Eastside sidewalk	20'	20'	20'	20'	15'	20'	20'	15'
Promenade	76'	76'	104'	TBD	TBD	104'	76'	70'
Battery Street Tunnel Lanes								
Unchanged from existing (lanes = 2 NB + 2 SB)	✓	✓	✓	✓	✓			✓
Possible Lane Reductions						1n/1s	2n/1s	
Connections to Elliott/Western								
Eliminate existing NB on and SB off ramps to/from BST/SR 99	✓	✓	✓	✓	✓	✓	✓	✓
NB off- and SB on-ramps from SR 99 limited access; Over Elliott/Western				✓				
NB off- and SB on-ramps from SR 99 limited access; Under Elliott/Western					✓		✓	
Surface roadway in prior viaduct area (two-way); Signalized intersections	✓	✓						✓
Surface roadway using couplet (NB = Western, SB = hill ROW); Signalized intersections			✓			✓		
Waterfront surface street linkage North Alaskan Way								
Continuous Alaskan Way similar to current alignment				✓			✓	✓
T intersection near Pine Street	✓	✓	✓			✓		✓
University crossover from Western to north Alaskan Way			✓		✓	✓		
Aurora North - Connections Across								
Signalize Aurora at Thomas, Harrison, Republican, & Roy	✓	✓	✓					✓
Signalize Aurora at Valley	✓		✓					
Signalize surface Aurora at Thomas, Harrison						✓		
Republican Underpass				✓	✓		✓	
Vacate Broad Street from Harrison to Ninth N				✓	✓		✓	
Vacate Broad Street from Fifth N to Ninth N	✓	✓	✓			✓		✓
Waterfront Streetcar								
In-street (double track)				✓				
In-promenade (single track)	✓		✓			✓	✓	✓
None		✓			✓			
Bicycle Facilities								
Bike Lanes on Alaskan Way	✓	✓		✓			✓	✓
Bike lanes Alaskan Way SB/Western NB			✓			✓		
Off-street Trail in promenade					✓			
Pedestrian Facilities								
Eastside sidewalk	20'	20'	20'	20'	15'	20'	20'	15'
Central Waterfront Promenade/Public Space	76'	76'	104'	TBD	TBD	104'	76'	70'

