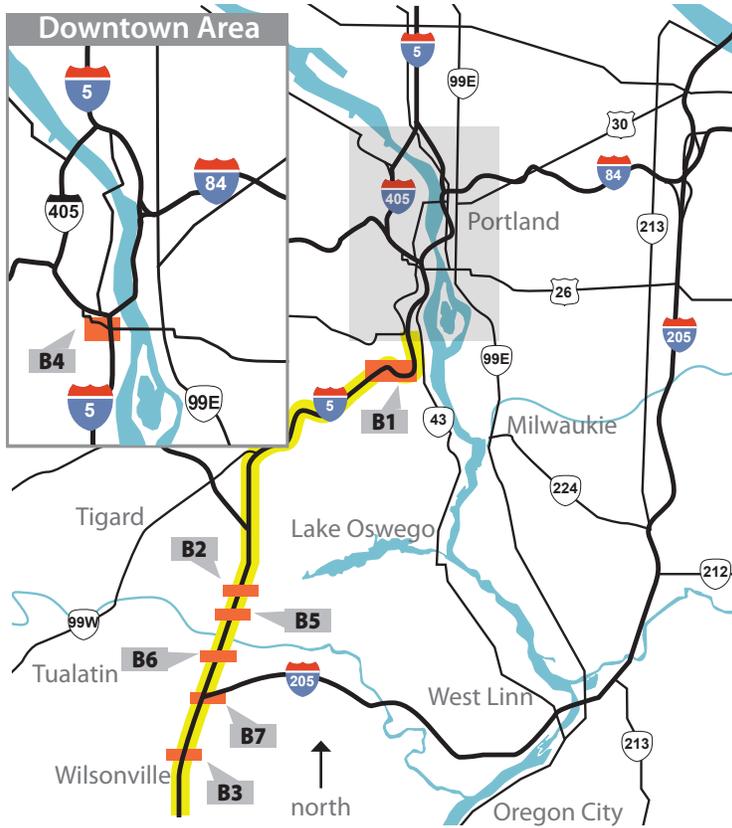




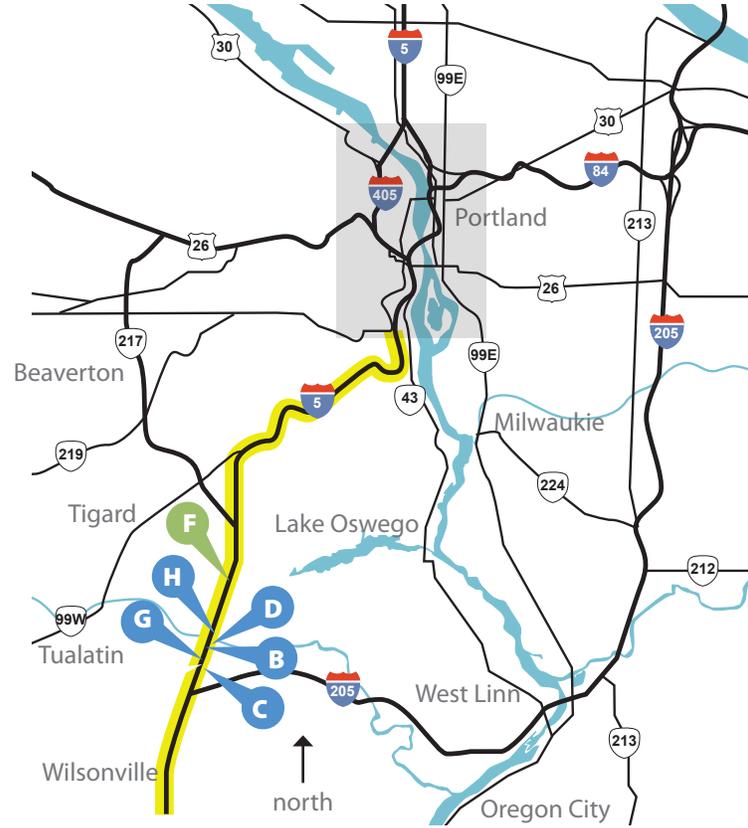
Corridor Bottleneck Operations Study (CBOS)

I-5 Recurring Bottleneck Locations



Recurring Bottleneck Location

I-5 Recommended Project Locations



Recommended Project Location
(Indicates potential solution recommendation)

Bottleneck ID	Recurring Bottleneck Location	Cause		Congestion Speed (MPH)	Congestion Duration (Hours)
		Decision Point	Physical Constraint		
B1	I-5 NB: Terwilliger Blvd Entrance Ramp (AM & PM)	X	X	20	4
B2	I-5 NB: Lower Boones Ferry Road Exit Ramp (AM)	X		30	1.25
B3 *	I-5 NB: Westbound Elligsen Road Entrance Ramp (PM)	X		*	*
B4	I-5 SB: Hood Avenue Exit Ramp (PM)	X		10	2.75
B5	I-5 SB: Carman Drive Lane Drop (PM)	X		10	2.25
B6	I-5 SB: Nyberg Street Exit Ramp (PM)	X		25	2.5
B7 **	I-5 SB: I-205 Entrance Ramp (PM)	X		**	**

* Construction of NB Auxiliary Lane in 2011
** Construction of SB Auxiliary Lane in 2010

Map ID	Bottle-neck ID	Potential Solution Identified	Recommended Project	Est. Cost
B	I-5: B2	Yes	I-5 NB: Phase 1 - Lower Boones Ferry Rd. Exit Ramp Reconfiguration	\$1M-2M
C	I-5: B2	Yes	I-5 NB: Phase 2 - Nyberg Rd. Interchange to Lower Boones Ferry Rd. Interchange - Auxiliary Lane Extension	\$11.5M-13.5M
D	I-5: B2	Yes	I-5 NB: Phase 3 - Lower Boones Ferry Rd. Interchange to Carman Drive Interchange - Auxiliary Lane Extension	\$17M-21M
F	I-5: B5	Constructed 8/2012	I-5 SB: Phase 1 - Carman Drive Entrance Ramp to Lower Boones Ferry Exit Ramp - Auxiliary Lane	\$1.25M
G	I-5: B6	Yes	I-5 SB: Phase 2 - Lower Boones Ferry Rd. to Lower Boones Ferry Rd. Entrance - Auxiliary Lane	\$7.2M-8.5M
H	I-5: B6	Yes	I-5 SB: Phase 3 - Lower Boones Ferry Rd. to I-205 - Auxiliary Lane Extension	\$10M-18M