

SR 520 Bridge Replacement and HOV Program

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Washington State
Department of Transportation

Presentation agenda

- SR 520 Program update
- Legislative initiatives
- Updated cost estimates
- Moving forward in 2009



SR 520 Program description

The SR 520 Corridor Program will replace the Portage Bay and Evergreen Point bridges and improve existing roadway between I-5 in Seattle and SR 202 on the Eastside.

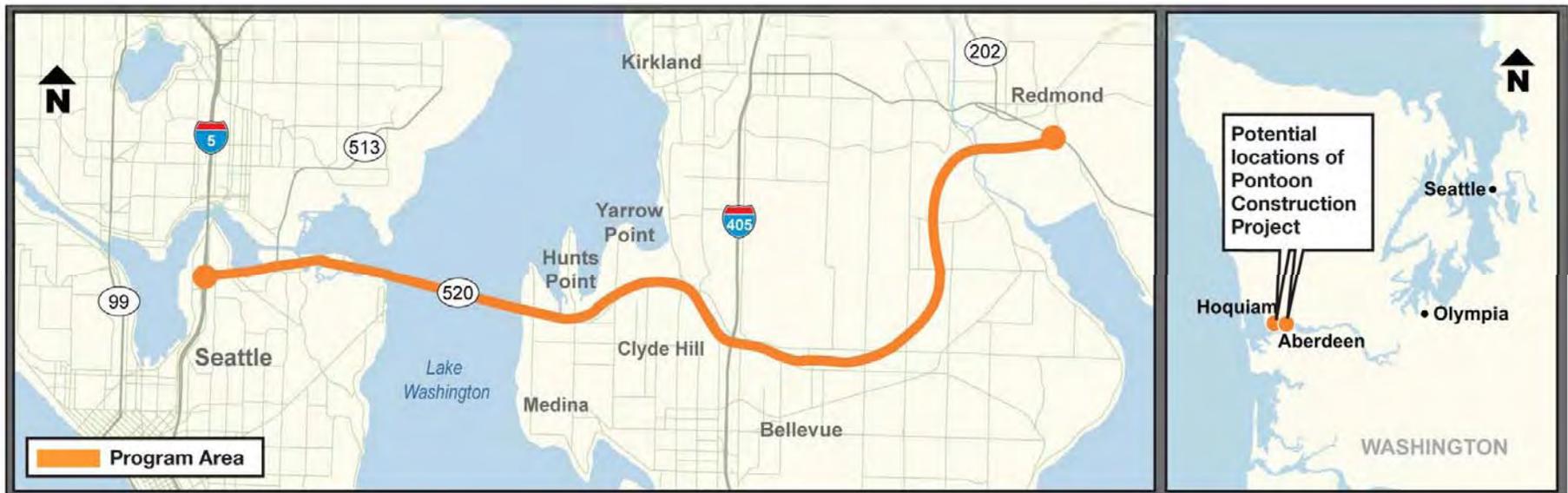
The SR 520 Corridor Program includes four projects:

Urban Partnership – Traffic management and tolling from I-5 to I-405.

Eastside Transit and HOV – Evergreen Point Road to SR 202.

Pontoon Construction Project – pontoons for catastrophic failure planning.

Bridge Replacement and HOV Project – I-5 to the vicinity of Evergreen Point Road.



Four environmental processes

Pontoon Construction Project draft environmental impact statement – Evaluate options to expedite construction of pontoons to be used to restore the floating section of the SR 520 Evergreen Point Bridge in the event of a catastrophic failure, and to construct and store these pontoons until needed.

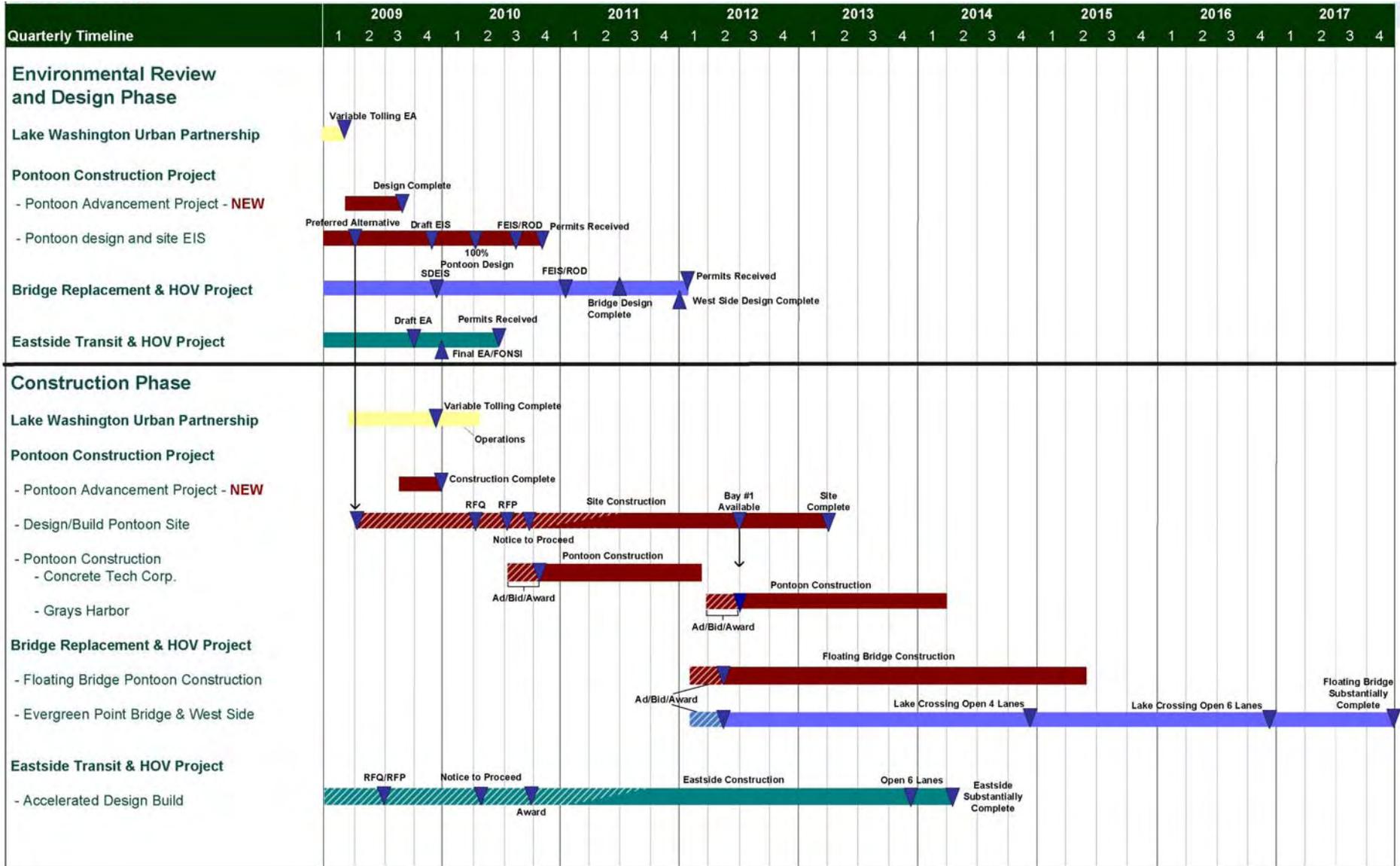
Eastside Transit and HOV Project environmental assessment – Evaluate improvements for transit and HOV from the vicinity of Evergreen Point Road to one mile beyond SR 202.

Urban Partnership environmental assessment – Study potential effects of tolling on SR 520.

Bridge Replacement and HOV Project Supplemental draft environmental impact statement – Study new alternatives for the SR 520 west side interchange; construction techniques, staging and durations; and mitigation.



SR 520 Program schedule



Lake Washington Urban Partnership



Artist's rendering of what electronic tolling might look like on the existing SR 520 Bridge.

Designed to reduce congestion through the “Four T’s”:

- **Transit**
- **Technology**
- **Telecommuting**
- **Tolling**

Awarded \$154.5 million to assist WSDOT, Puget Sound Regional Council and King County in applying these innovative approaches to reduce congestion in the 520 corridor in Western Washington.

Funded by:



**U. S. Department of Transportation
Federal Highway Administration**

LAKE WASHINGTON URBAN PARTNERSHIP

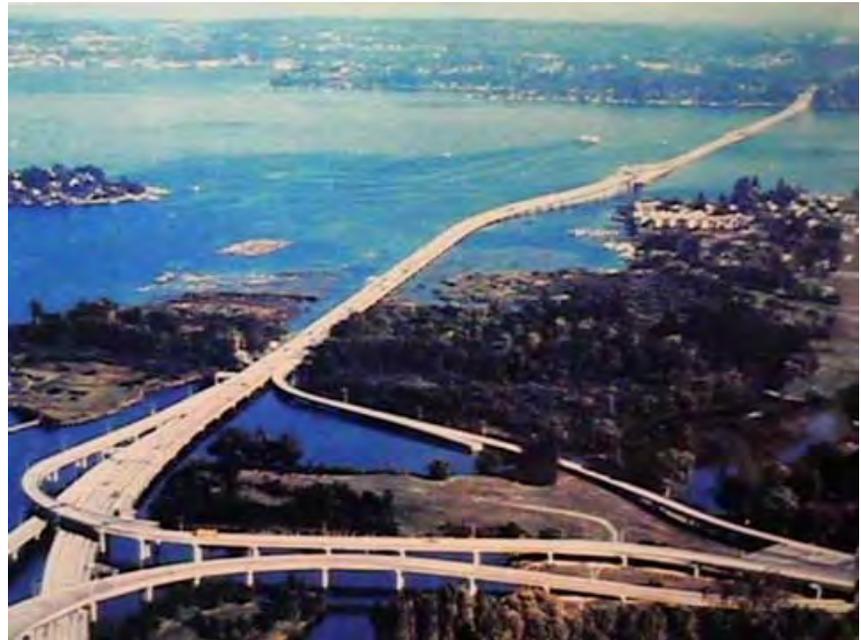
Pontoon Construction Project



- Moving forward in Grays Harbor to build pontoons
- Three sites will be evaluated during environmental process
- Public comment period: Jan. 15 to Feb. 19
- Public meeting: Jan. 29 in Hoquiam
- Pontoon Advancement Project in 2009
- DEIS published in late 2009

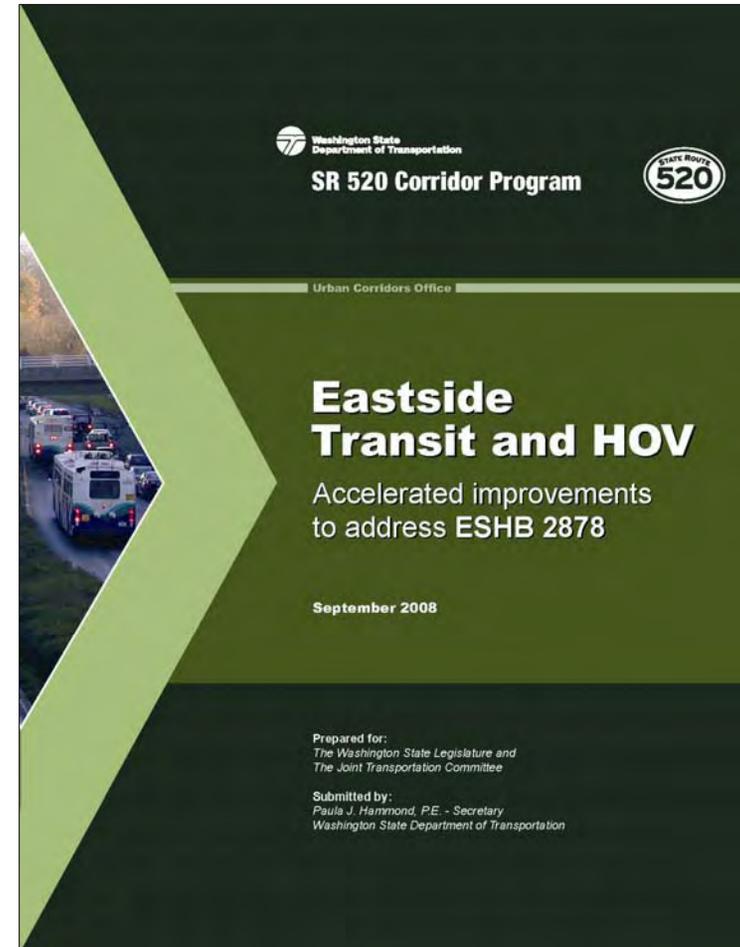
Legislative initiatives since 2007

- Eastside Transit and HOV
- High Capacity Transit Plan
- Health Impact Assessment
- Project Impact Plan

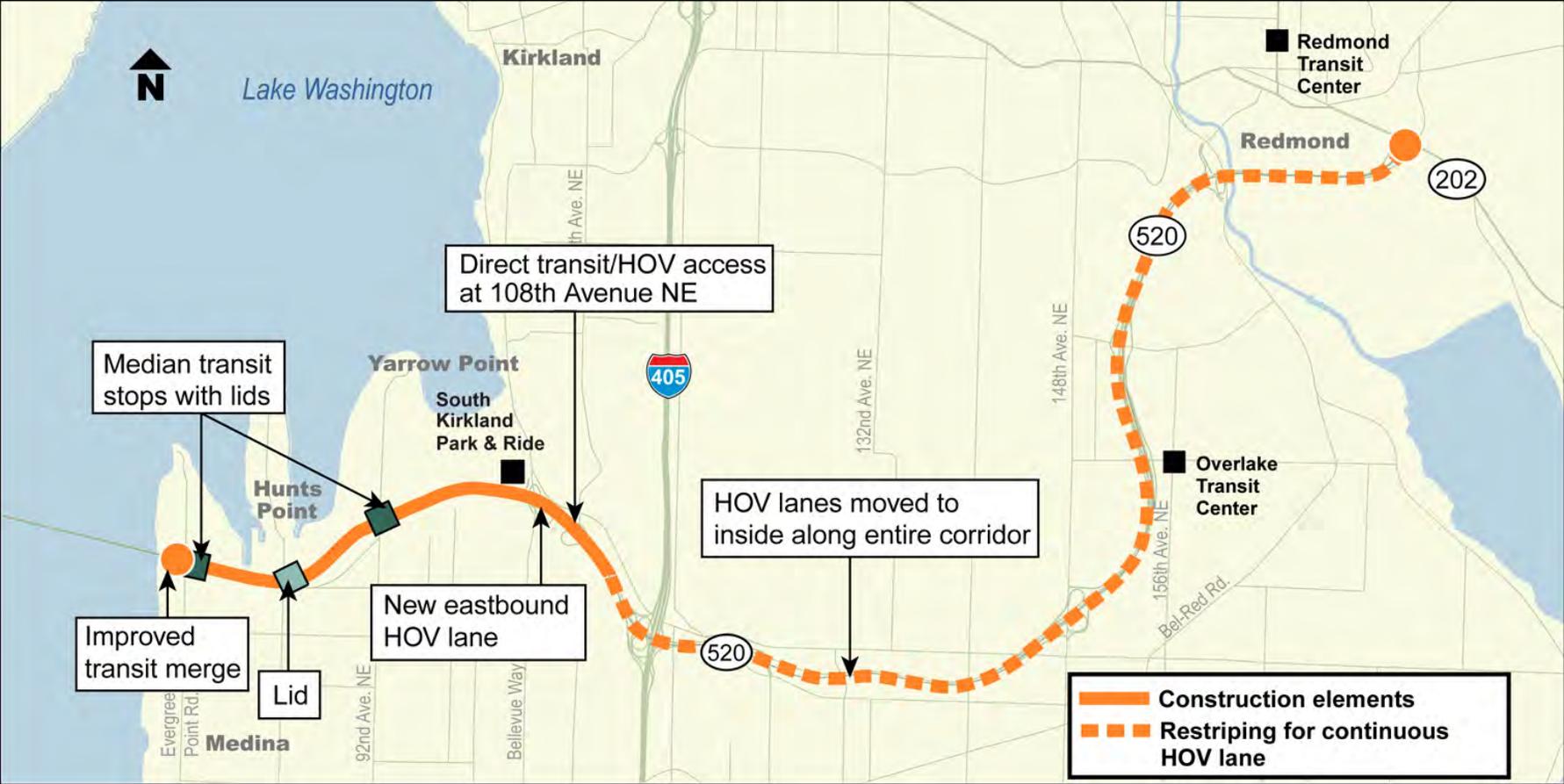


Eastside Transit and HOV (ESHB 2878)

- Deliver benefits to drivers and transit riders during pre-construction tolling through Urban Partnership Agreement
 - Technology
 - Transit
 - Telecommuting
- Accelerate construction of corridor improvements
 - Approval of Eastside Transit and HOV Project received from FHWA
 - Travel time benefits for transit and carpools earlier than planned
 - Enhances public safety on the east side of 520



Eastside Transit and HOV Project

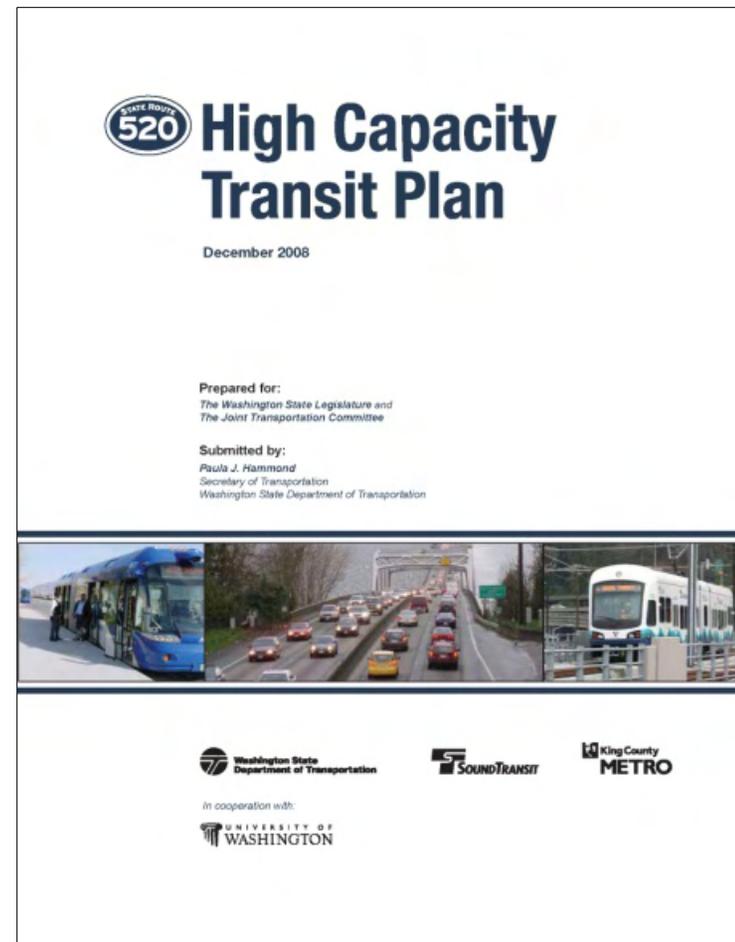


Overview of ESSB 6099 components

- High Capacity Transit Plan
- Health Impact Assessment
- Mediation process

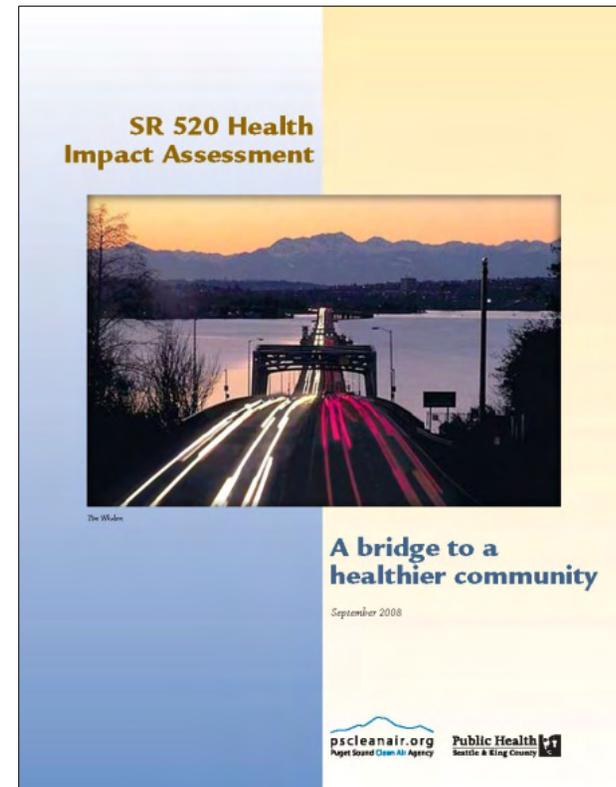
High Capacity Transit Plan (ESSB 6099)

- Collaborative effort – WSDOT, Sound Transit, King County Metro and University of Washington.
- Defines a phased program for SR 520 bus rapid transit through 2030.
- Builds on the strong transit markets already in place along the corridor.
- Responds to projected increases in transit demand on the corridor.
- Builds on speed and reliability benefits from new, continuous HOV lanes.
- Envisions an improved multimodal center adjacent to the UW campus, UW Medical Center and the planned UW Link Light Rail Station.



Health Impact Assessment (ESSB 6099)

- Identified four critical health elements and made recommendations for each:
 - **Construction period** (reduce pollution, traffic management, noise control)
 - **Transit, bicycling and walking**
 - **Landscaped lids and green spaces** (include freeway lids, preserve Arboretum)
 - **Design features** (reduce noise, innovative storm water management)



Design options through the mediation process (ESSB 6099)

- Options agreed to by mediation participants:

Option A

- Surface Montlake Interchange with transit variations.

Option K

- East Montlake Interchange; tunnel under Montlake Cut and land bridge or berm at Foster Island in the Arboretum.

Option L

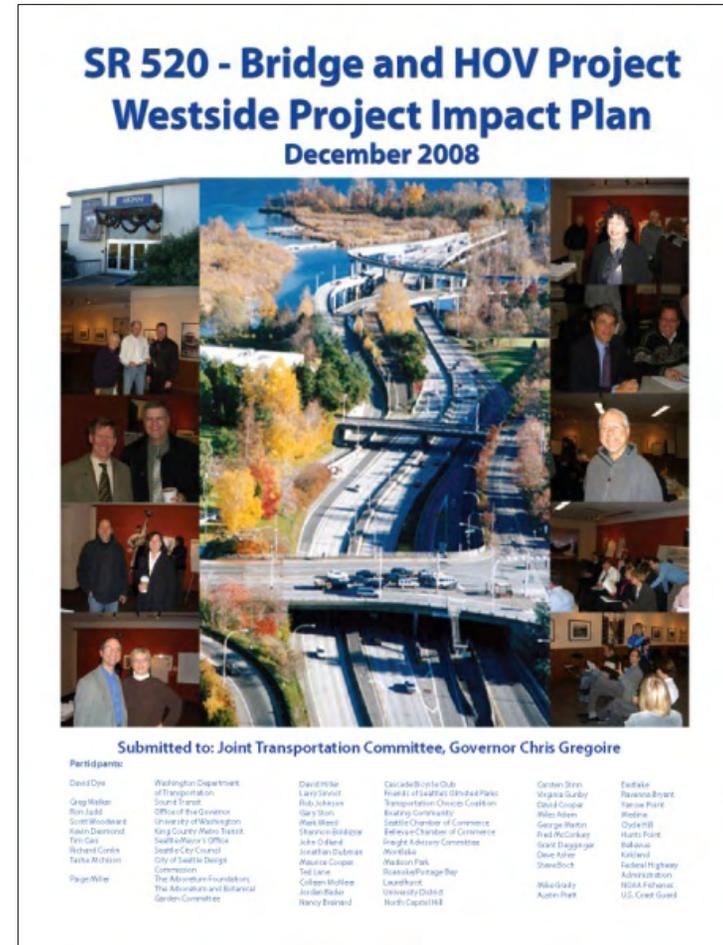
- East Montlake Interchange; additional bridge crossing Montlake Cut.

- Options will be evaluated in the supplemental draft EIS.



West side mediation: Project Impact Plan (ESSB 6099)

- Identify the west side mediation group's recommended West side interchange configurations.
- Identify the project effects and community mitigation recommendations.
- Consider the project effects on parks, specifically the Washington Park Arboretum and the UW.
- Incorporate the Health Impact Assessment.
- Include comments from Seattle City Council and Mayor.



2008 updated cost estimates

	I-5 to Floating Bridge	Pontoon Site and Floating Bridge		Evergreen Point Road to I-405	
2006 Montlake Interchange Option	Total Cost \$1.892B	Total Cost \$1.488B		Total Cost \$680M	2006 Total Cost \$4.060B
2006 Pacific Interchange Option	Total Cost \$2.202B	Total Cost \$1.488B		Total Cost \$680M	2006 Total Cost \$4.370B
2008 Corridor Concept					
2008	Total Cost \$2.022B to \$2.298B	Total Cost \$358M	Total Cost \$1.370B	Total Cost \$776M	2008 Most Likely Cost \$4.526B to \$4.802B
	Option K*				
2008	Total Cost \$4.070B to \$4.168B	Total Cost \$358M	Total Cost \$1.370B	Total Cost \$776M	2008 Most Likely Cost \$6.574B to \$6.672B
	Option L*				
2008	Total Cost \$2.562B to \$2.642B	Total Cost \$358M	Total Cost \$1.370B	Total Cost \$776M	2008 Most Likely Cost \$5.066B to \$5.146B

Note: Map includes major construction limits. Corridor work continues to SR 202.

*Range includes optional features.

All costs at year of expenditure.

More to come on financing

- Tolling Implementation Committee Report delivered to Legislature this week.
- Updated Finance Plan in 2009.
- Legislative decisions on tolling authority and project funding needed.

Moving forward with the SR 520 Program in 2009

- **Urban Partnership Project**
 - Release variable tolling environmental assessment.
- **Eastside Transit and HOV**
 - Complete preliminary design.
 - Release draft environmental assessment.
- **Pontoon Advancement Project**
 - Advertise for contractor, complete design and complete construction by end of year.
- **Pontoon Construction Project**
 - Release draft environmental impact statement, complete 90% design.
- **Bridge Replacement and HOV Project**
 - Publish supplemental draft environmental impact statement in winter 2009.



**For more information on the SR 520
Bridge Replacement and HOV Program
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Or

www.wsdot.wa.gov/projects/SR520Bridge