

# SR 520 Bridge Replacement and HOV Project

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**Joint Transportation Committee**  
May 13, 2008



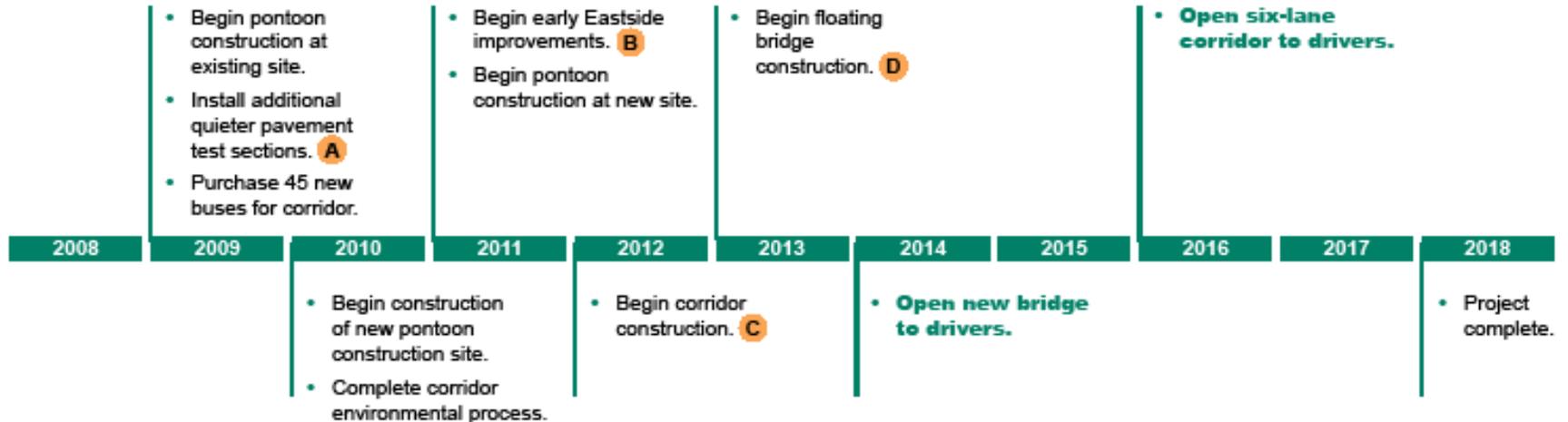
**Washington State**  
**Department of Transportation**

# Presentation Agenda

- Mediation
- High Capacity Transit
- Accelerated Eastside Implementation
- Urban Partnership Agreement
- Tolling Implementation Committee



# New Bridge Open To Traffic in 2014



## Project Cost Information

2006 cost estimate:	\$4.38 billion
Estimated savings:	\$500 - \$700 million*
New projected cost:	\$3.7 - \$3.9 billion

\*Savings are due to accelerating project schedule and reducing the number of pontoons

# Westside Mediation Process

- 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.

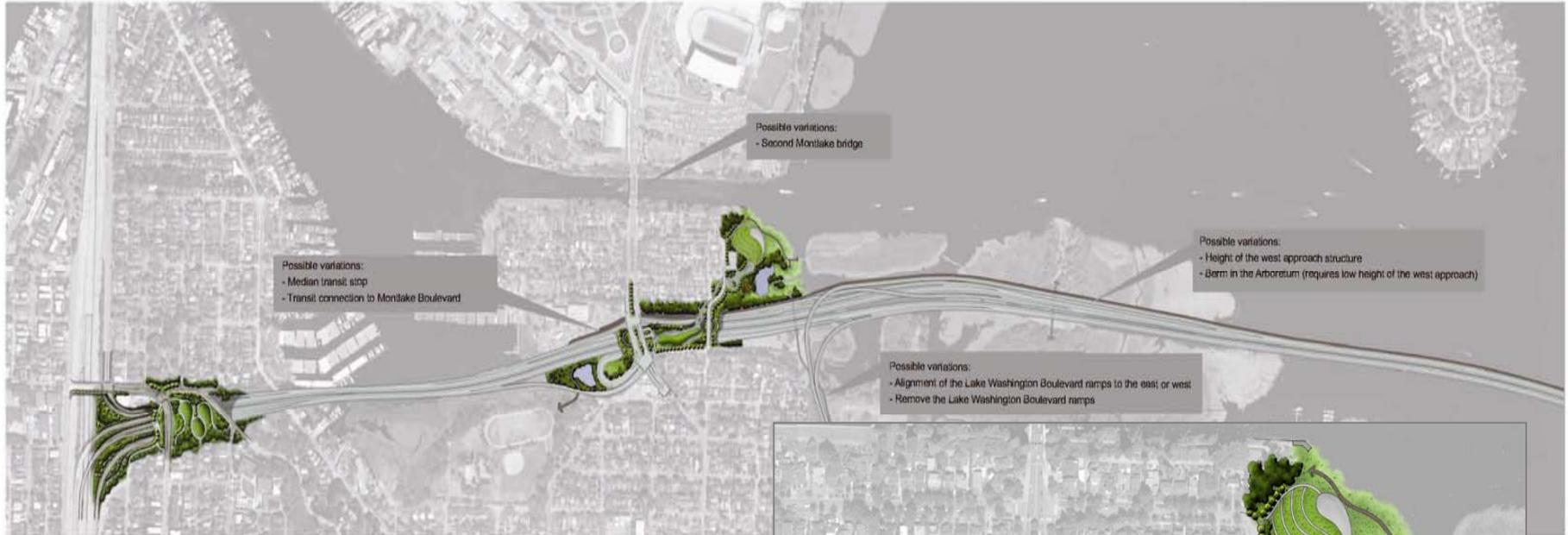
## Option L

- East Montlake Interchange; additional bridge crossing Montlake Cut.

- Options A and K: local proponents continue to refine design.
- Options identified in mediation will be evaluated in the Supplemental Draft EIS.



# Mediation Option A, April 2008



**CONCEPTUAL**

DRAFT - THIS SKETCH ONLY DEPICTS THE IDEA.  
ENGINEERING, OPERATIONS AND ENVIRONMENTAL  
ANALYSIS REQUIRED.

April 2008



Not to Scale

# Mediation Option K, April 2008



**CONCEPTUAL**

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ENGINEERING, OPERATIONS AND ENVIRONMENTAL  
ANALYSIS REQUIRED.



Not to Scale

April 2008

# Mediation Option L, April 2008



**CONCEPTUAL**

DRAFT - THIS SKETCH ONLY DEPICTS THE IDEA.  
ENGINEERING, OPERATIONS AND ENVIRONMENTAL  
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April 2008



# 4+2 Cost Estimates (year of expenditure; \$M)

2006 estimate \$3,900 to \$4,380

2008 estimate, including schedule acceleration \$3,680 to \$3,880

## Projected costs, April 2008 with mediation options

- I-5 to West Approach \$1,635 to \$2,610
  - Option A: \$1,635 to \$1,905
  - Option K: \$2,505 to \$2,610
  - Option L: \$1,905 to \$2,010
  
- Lake Crossing and Eastside \$1,775 to \$1,870
- Total cost estimate range \$3,410 to \$4,480

\* Mitigation not yet determined.

# High Capacity Transit

- Draft HCT plan submitted to the Governor and Joint Transportation Committee in October 2007 by WSDOT, King County and Sound Transit in cooperation with University of Washington.
- The final plan, to be submitted December 2008, will include:
  - Bus Rapid Transit concept plan that takes advantage of HOV lanes to be added to SR 520.
  - Plan for the enhancement of the Montlake Multimodal Station.
  - Strategy to implement any supporting improvements outside the SR 520 corridor.
- 4-foot buffers included at lid and tunnel locations for future flexibility.

# Environmental Process

## SR 520 Project

- Westside options definition set and open houses, June 2008
- Supplemental Draft EIS published, Fall 2009
- Final EIS published, 2010
- Record of Decision, 2011

## Pontoon Construction Project

- Public scoping meeting in Grays Harbor, January 2008
- Draft EIS published, February 2009
- Final EIS published, 4<sup>th</sup> quarter 2009
- Record of Decision, 4<sup>th</sup> quarter 2009

# Eastside Early Implementation

## ESHB 2878

“...the department shall develop improvements of traffic flow from the eastern Lake Washington shoreline to the 108<sup>th</sup> Avenue NE in Bellevue including:

- a) Near-term, low-cost enhancements which relocate the high-occupancy vehicle lanes to the inside of the alignment; and
- b) A plan for an accelerated improvement project for the construction of median flyer stops, reconfiguration of the interchanges, addition of direct access ramps, community enhancement lids, and pedestrian/bike path connections.”

WSDOT will report on these improvements by September 1, 2008.



# The Lake Washington Urban Partnership

- Part of USDOT initiative to reduce congestion in five geographic regions across the country:
  - Seattle/King County area
  - San Francisco
  - Minneapolis
  - Miami
  - New York City
- The “Four T’s”
  - Tolling
  - Technology and Traffic Management
  - Transit
  - Telecommuting
- Technology: Active Traffic Management
  - Speed harmonization and queue warning
  - Traveler information and dynamic re-routing
- WSDOT, PSRC and King County are leading implementation of comprehensive congestion reduction strategies.



# The Lake Washington Urban Partnership



## Work underway:

- Planning and initiation of the agreement.
- Identification and evaluation of concepts for early tolling on SR 520.
- Conceptual design for active traffic management on SR 520 and I-90.
- Beginning the environmental process.

# The Lake Washington Urban Partnership

- WSDOT is funding a current effort with the Value Pricing Pilot Program initial authorization of \$1.6 million.
- In order to begin tolling and active traffic management design and tolling system procurement, WSDOT has asked USDOT to authorize \$8.03 million now.
- In addition, the Partnership has requested \$19 million for King County to use for bus purchase and park and ride construction.
- WSDOT has also asked that the remaining \$98.47 million for construction be released at the end of the 2009 legislative session.

# 520 Tolling Implementation Committee

## ESHB 3096 established committee

**Agreed approach** – asking the question, “How do we fund the replacement of the 520 Bridge in the best terms for taxpayers, bridge users and adjacent communities?”

**Work to date** – agreeing on scenarios to be studied, readying for public outreach.

**Anticipated work moving forward** – kick-off, followed by open houses, online survey, and outreach coordinated with 520 project.



Bob Drewel, Chair



Paula Hammond



Dick Ford

# Questions?

For more information visit the project website at:

[www.wsdot.wa.gov/projects/SR520Bridge](http://www.wsdot.wa.gov/projects/SR520Bridge)

or

Contact Project Director Ron Paananen at (206) 770-3500

