

# SR 520 Bridge Replacement and HOV Program

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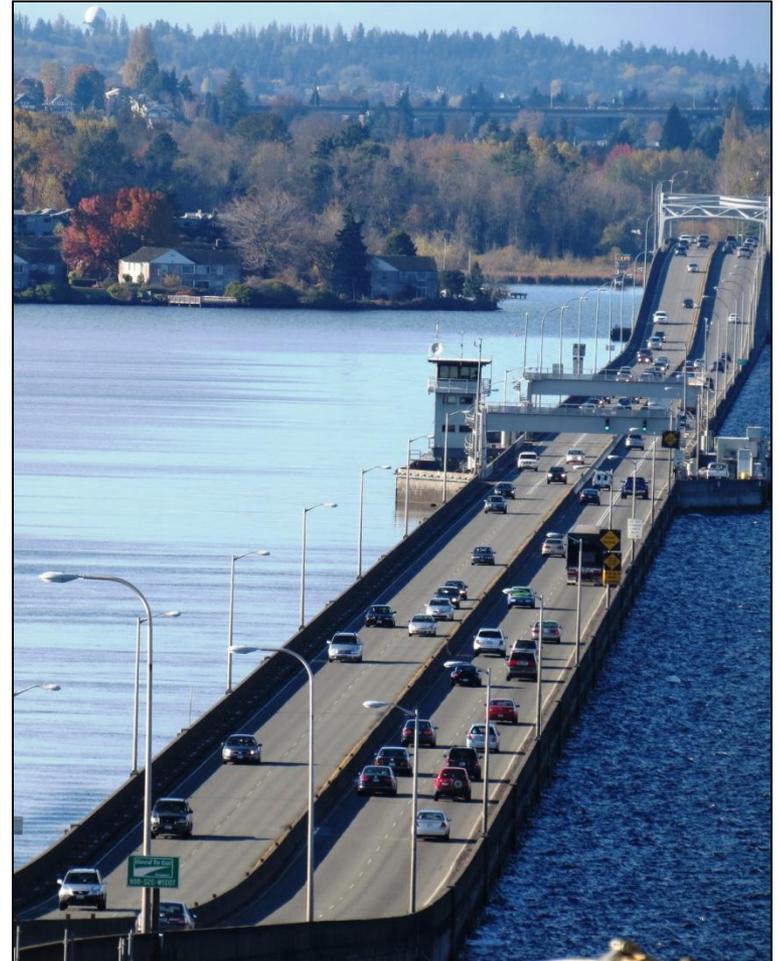
**Lynn Peterson**  
Washington Transportation  
Secretary

**Julie Meredith, P.E.**  
Director, SR 520 Program

Seattle City Council, Special Committee on SR 520  
Seattle, Washington  
July 29, 2013

# Presentation Outline

- Brief SR 520 Program update
- Preview of September 16 Special Committee on SR 520

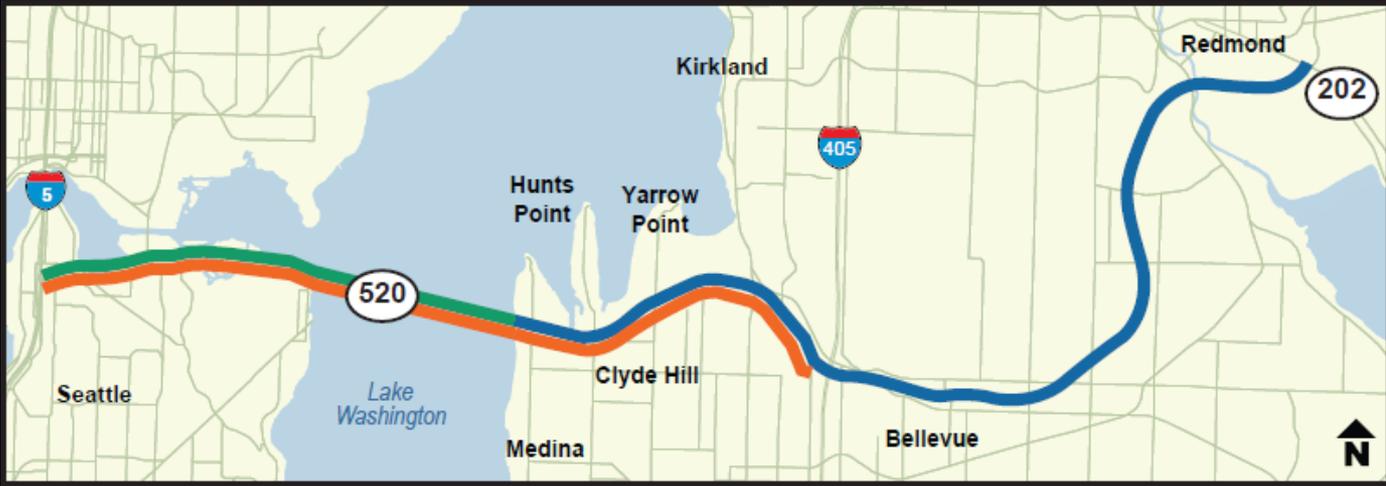


*View of the SR 520 floating bridge, looking west from Medina.*

# SR 520 Program description

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

- I-5 to Medina: Bridge Replacement and HOV Project** – Replaces the SR 520 floating bridge and landings, and interchanges and roadway between I-5 and the eastern shore of Lake Washington.
- Medina to SR 202: Eastside Transit and HOV Project** – Completes and improves the transit and HOV system from Evergreen Point Road in Medina to the SR 202 interchange in Redmond.
- Lake Washington Congestion Management Project** – Implements tolls on the existing SR 520 floating bridge, and activates Smarter Highways features from I-5 to I-405.
- Pontoon Construction Project** – Advances pontoon construction to restore the floating section of the SR 520 bridge in the event of a catastrophic failure and to store those pontoons until needed.



# Why does SR 520 need replacing?

## SR 520 bridge is vulnerable to windstorms and earthquakes

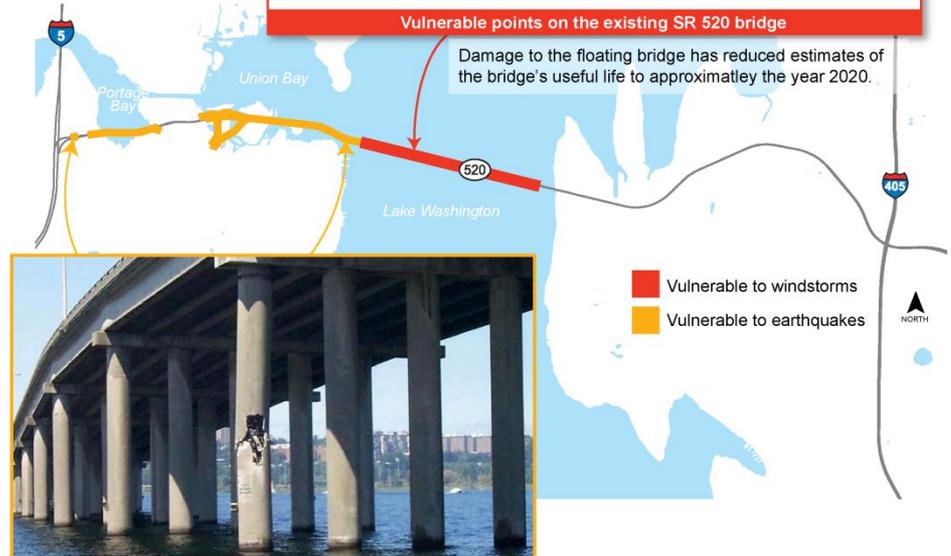
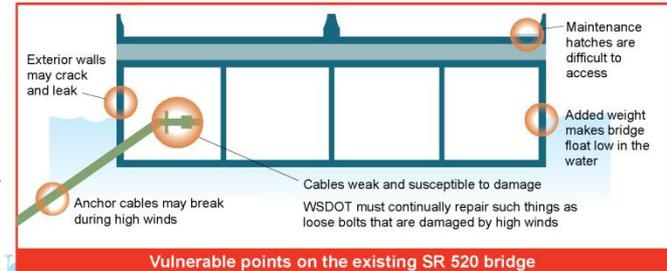


Waves batter the SR 520 bridge.

### Current vulnerabilities



A torn cable joint found during a routine inspection in February 2006. The cables connect the floating bridge pontoons to their underwater lakebed anchors.



# Work underway: Eastside Transit and HOV Project



*Aerial view of the Eastside corridor in August 2012.*



*Excavators demolish the old Bellevue Way overpass during a weekend closure in 2012.*



*Aerial view of the new Evergreen Point Road lid in February 2013.*



*Crews place precast concrete sections of a new fish-friendly culvert under SR 520 during a weekend closure in 2012.*

# Work underway: Floating Bridge and Landings Project



Construction is taking place around the state, including new pontoons in Tacoma, precast elements in Kenmore, and building the new bridge on Lake Washington.



Crews work on the new floating bridge and east approach near Medina, WA.



New pontoons are prepared for float-out in Tacoma, WA.

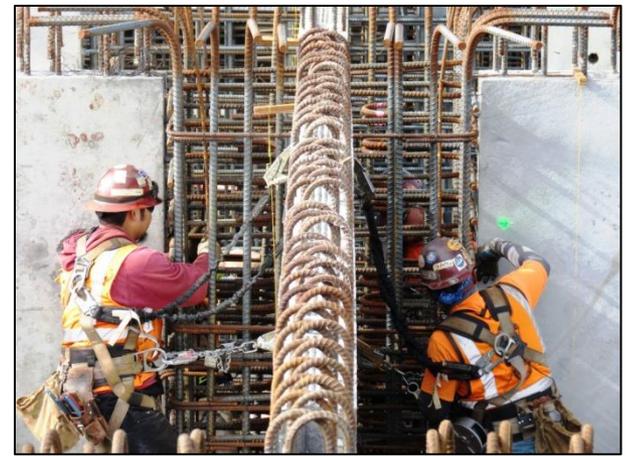


New "fluke" anchors were built in Kenmore, then placed in Lake Washington.

# Work underway: Pontoon Construction Project

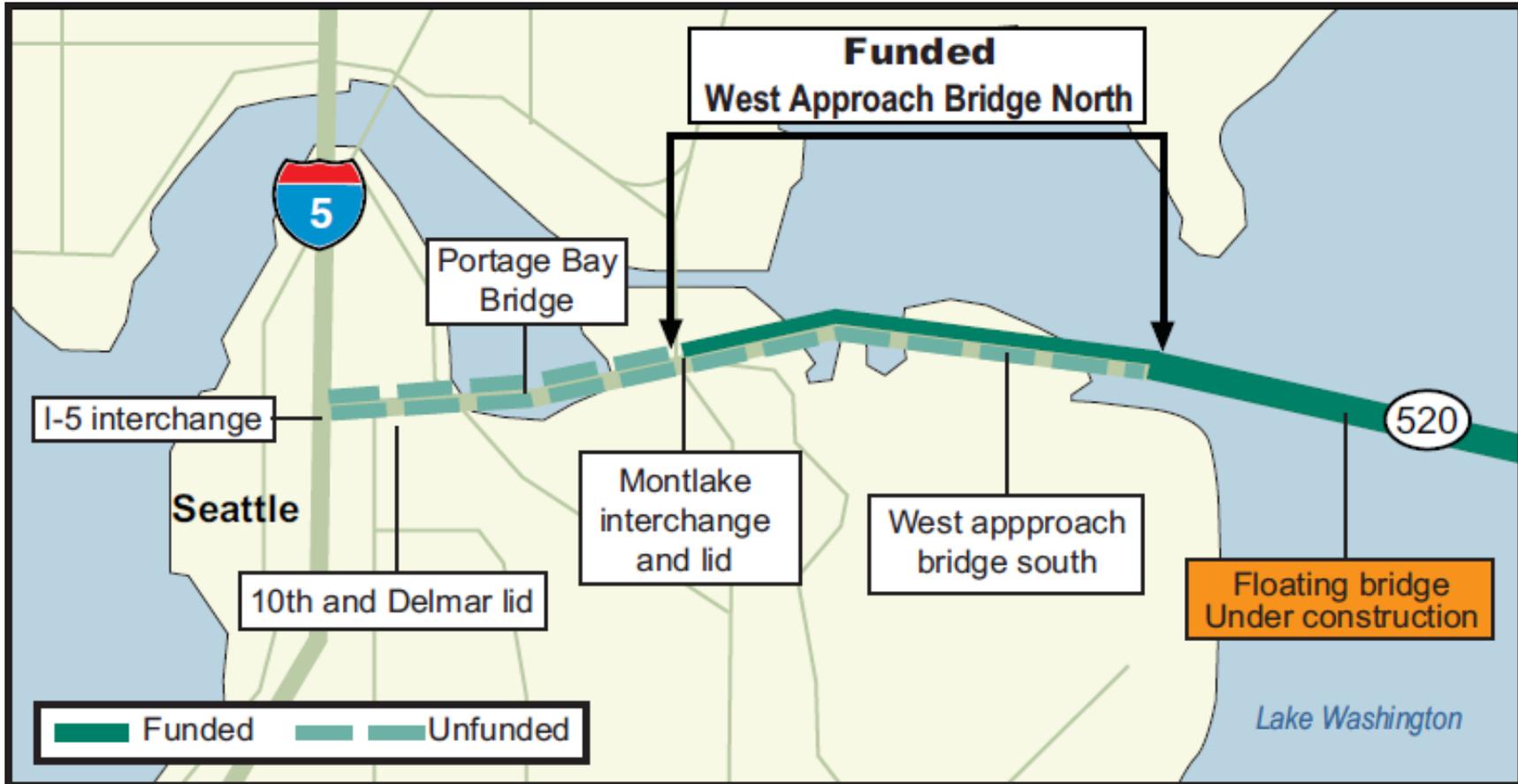


*Aerial view of the casting basin during Cycle 1 pontoon construction in Aberdeen, WA.*



*Photos of new pontoons under construction in Aberdeen, WA.*

# West Approach Bridge North



# SR 520 Special Committee Preview: Sept. 16

- Land and Water Conservation Fund Act: Section 6(f) agreements
- Montlake interchange property transfer
- West Approach Bridge North construction update
- Second Bascule Bridge and Montlake Transit Studies

# Questions?

For more information:

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

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