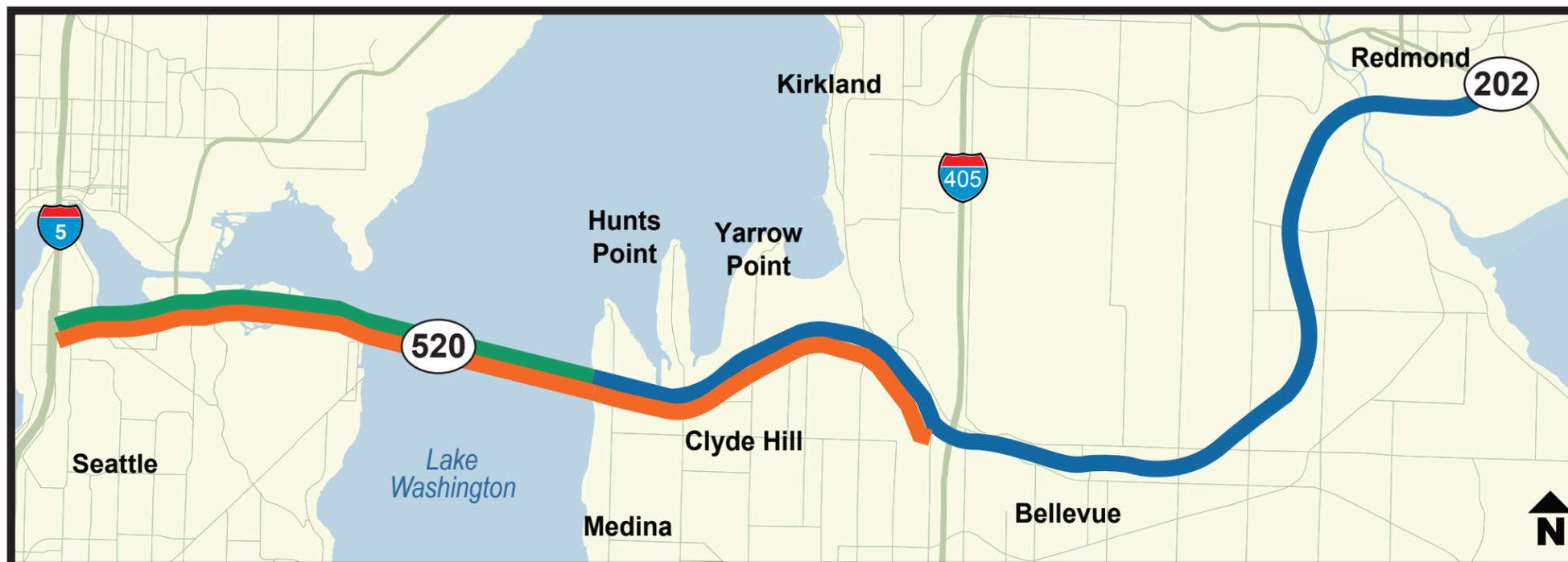


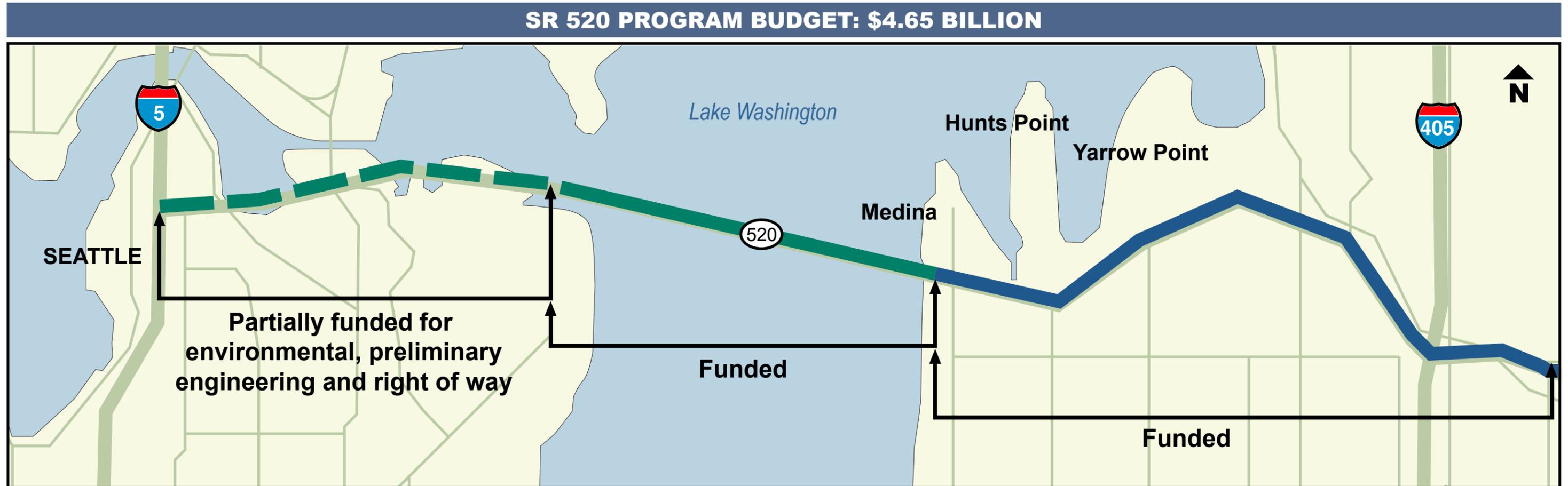
SR 520 Program description

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.



SR 520 Program costs and funding

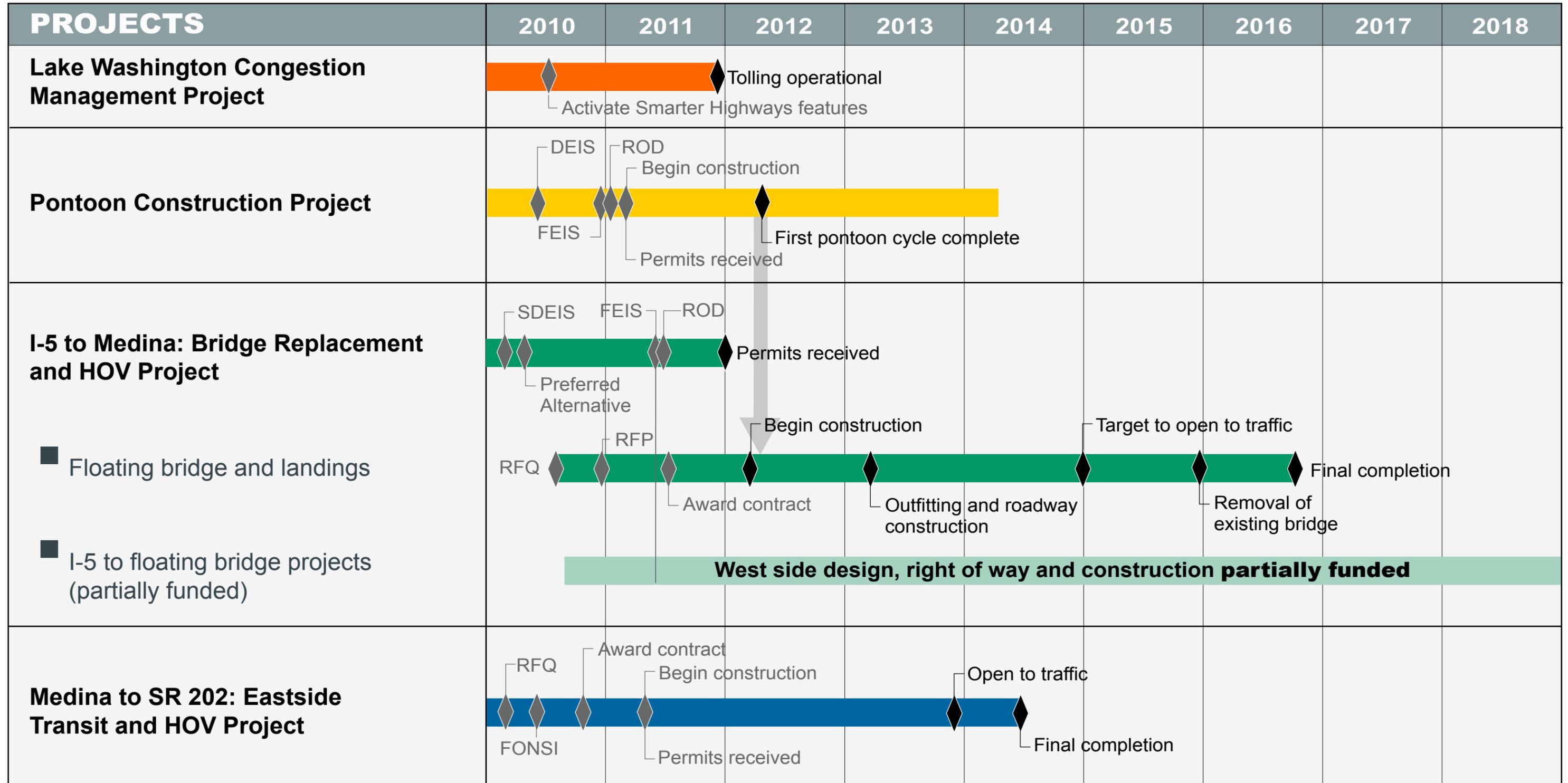


What's funded: \$2.43 billion

- The new, safer SR 520 floating bridge
- Pontoon construction in Grays Harbor
- Eastside transit and HOV improvements
- Environmental review, design and right of way from I-5 to the floating bridge

SR 520 Program schedule

Updated: Sept. 8, 2011



Pontoon Construction Project

- WSDOT is moving forward with pontoon construction to restore the SR 520 floating bridge in the event of a catastrophic failure, or to store the pontoons until they are needed for the planned bridge replacement.
- The \$367.3 million Pontoon Construction Project broke ground in February 2011 at a 55-acre site in Aberdeen.
- The project contractor, Kiewit-General Joint Venture (K-G) is on schedule to build a new casting basin facility and pontoons that will be used to replace the SR 520 floating bridge.



Project schedule:

- Construction start: Spring 2011
- Project complete: 2014

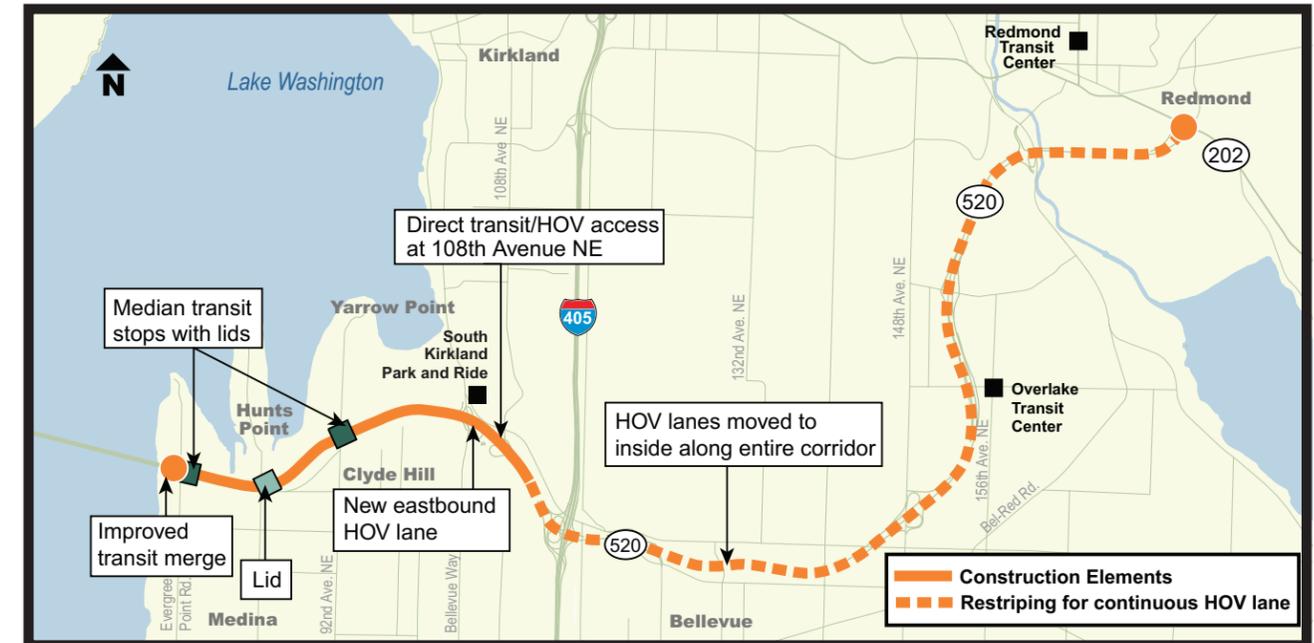
Medina to SR 202: Eastside Transit and HOV Project

We are moving forward with transit and HOV improvements on the Eastside, including:

- Inside transit/HOV lanes in both directions through the entire Eastside corridor.
- Wider, safer shoulders.
- Median transit stops at Evergreen Point Road and 92nd Avenue Northeast.
- Direct-access ramp to 108th Avenue Northeast for carpools and transit.
- Improvement of the Evergreen Point Road Park and Ride.
- Regional bicycle and pedestrian path with connections to local trails.

Project schedule:

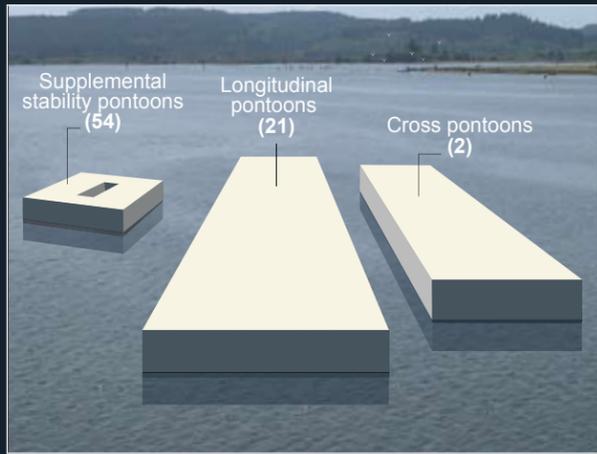
- Construction start: Spring 2011
- Open to traffic: Late 2013



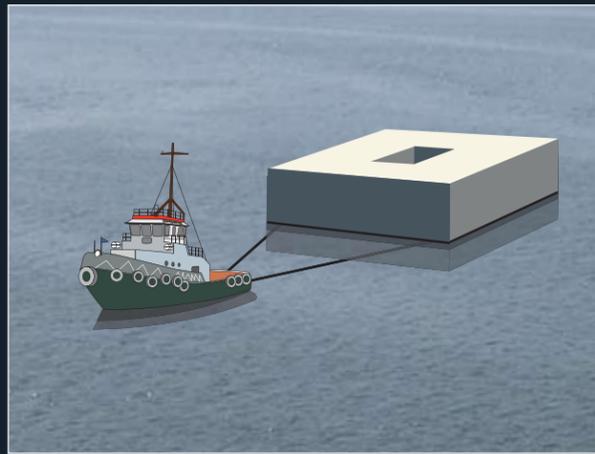
Environmental and community enhancements:

- Wider, fish-passable culverts.
- Noise reduction techniques.
- Stormwater treatment and detention facilities.
- New lids at Evergreen Point Road, 84th Avenue Northeast and 92nd Avenue Northeast.

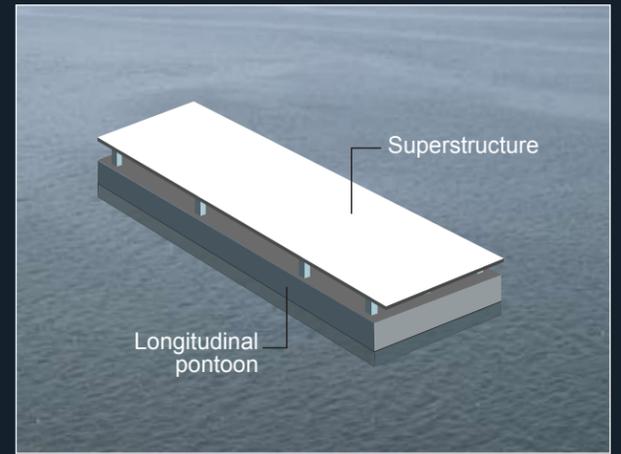
How will WSDOT build the new SR 520 floating bridge?



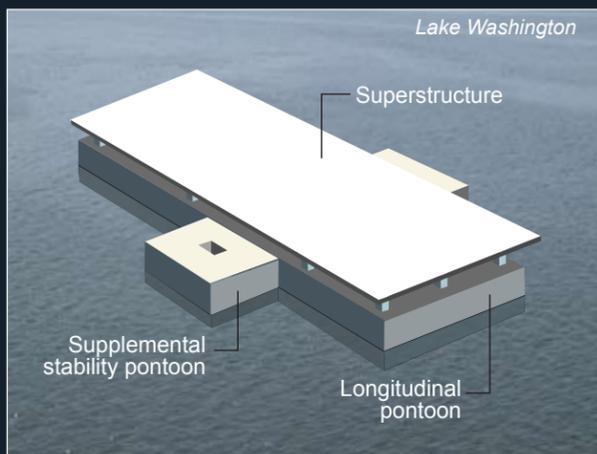
1 Build the necessary pontoons and anchor cables.



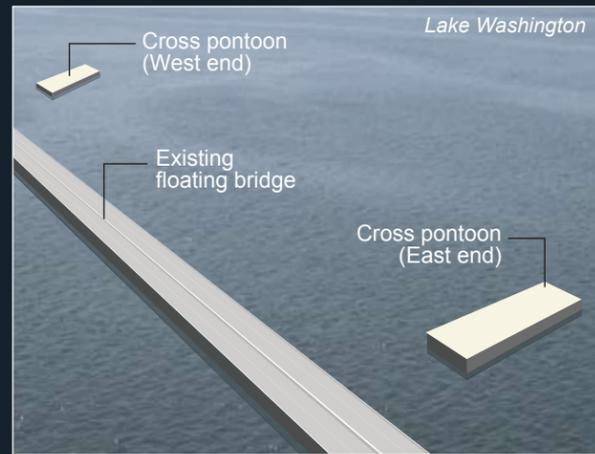
2 Tow pontoons from construction facilities to the Lake Washington area.



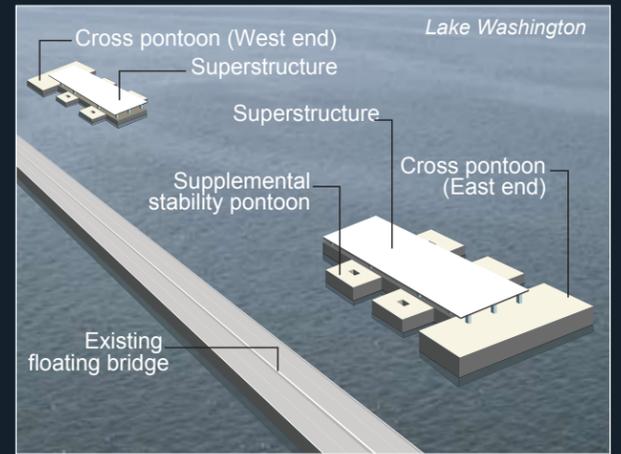
3 Outfit pontoons with a new roadway superstructure on top of each pontoon.



4 Connect supplemental stability pontoons to longitudinal pontoons.



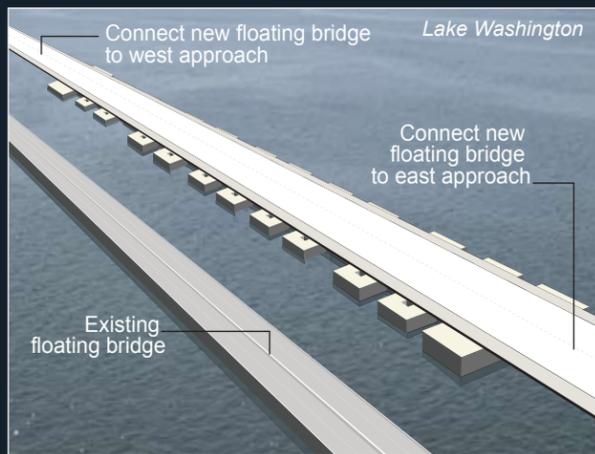
5 Anchor cross pontoons to lakebed to create the east and west ends of the new floating bridge.



6 Connect pontoons across Lake Washington and secure them with anchors.



7 Complete construction on lanes, shoulders, barriers and the bicycle/pedestrian path.



8 Connect new floating bridge to east and west approach bridges.

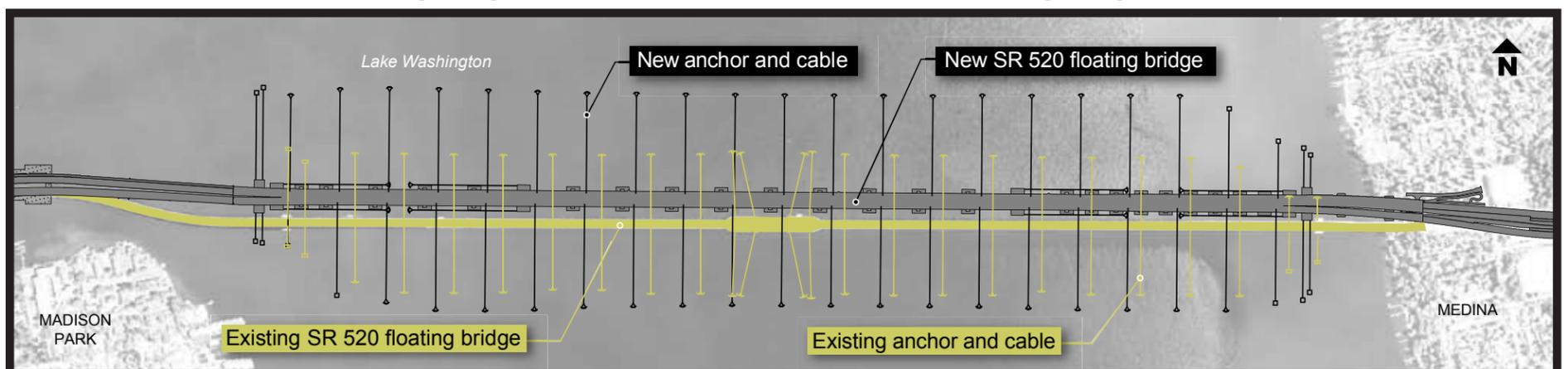


9 Open new floating bridge to traffic.

Note: Construction sequencing will be determined by the design-build contractor.

Where will WSDOT connect the new floating bridge?

As shown below, the new floating bridge will be installed to the north of the existing bridge.



SR 520 Program construction update

Eastside construction

- Construction began in April 2011.
- Crews have completed three fish-passage culverts, Bellevue Way overpass demolition and Evergreen Point Road lid staging.



Culvert installation on SR 520 near Bellevue Way



Crews repaved the highway after a weekend construction closure.



A median work zone to prepare for the new Evergreen Point Road lid.

Pontoon construction

- Construction began in Aberdeen in February 2011.
- The pontoon casting basin is nearly complete and work is starting on the first cycle of pontoons.



The casting basin under construction in Aberdeen. Photo credit: Soundview Aerial Photography



Crews smooth concrete on the casting basin floor.



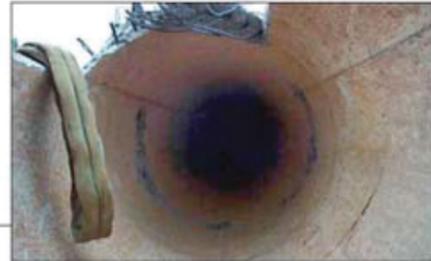
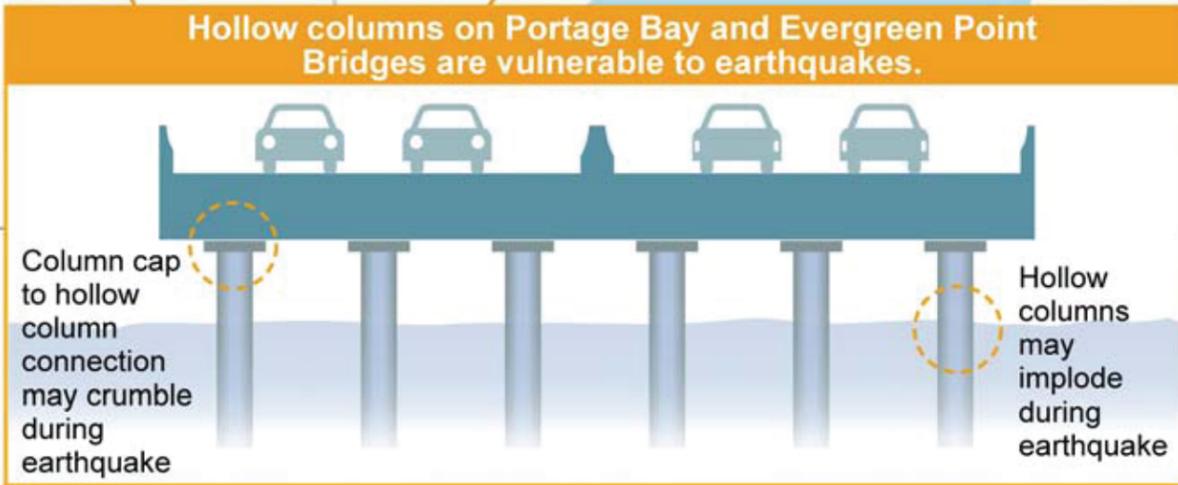
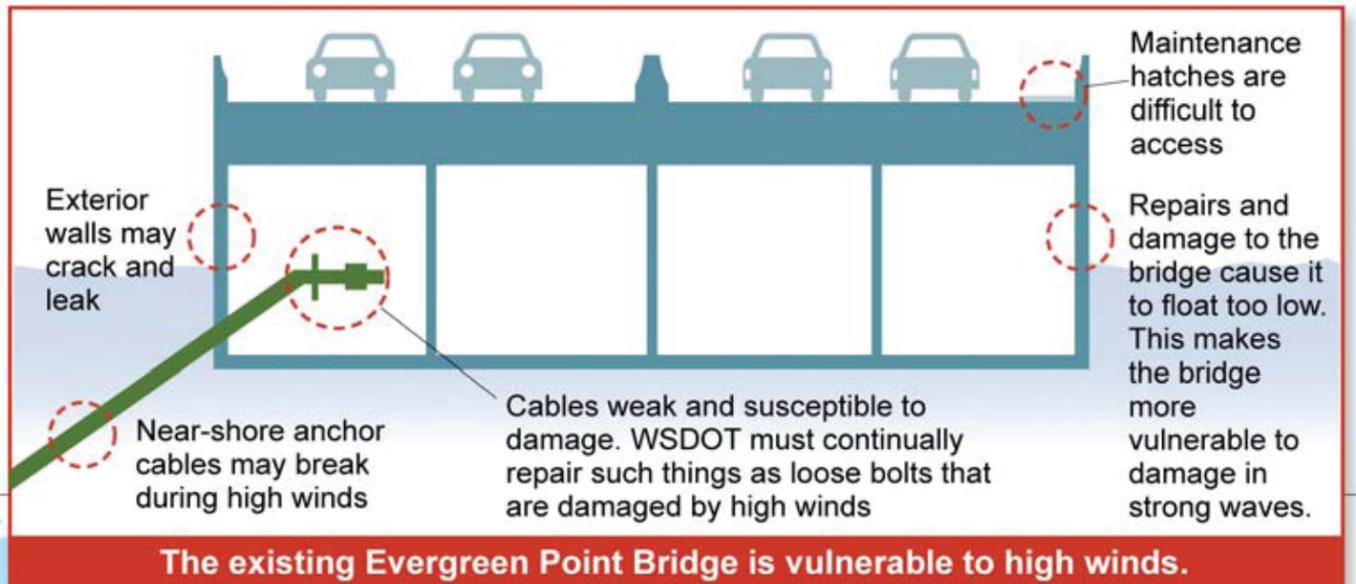
Crews tie rebar on a casting basin wall.

SR 520 vulnerability

The SR 520 floating bridge and structures are nearing the end of their design lives and are at risk of catastrophic failure.



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



The inside of a hollow bridge support column that was damaged by a barge in 1999.

SOURCE: Photos from <http://www.wsdot.wa.gov/Projects/SR520Bridge/Photos/Damage.htm>.