

# SR 520 Bridge Replacement and HOV Program

**Paula J. Hammond, P.E.**  
Secretary

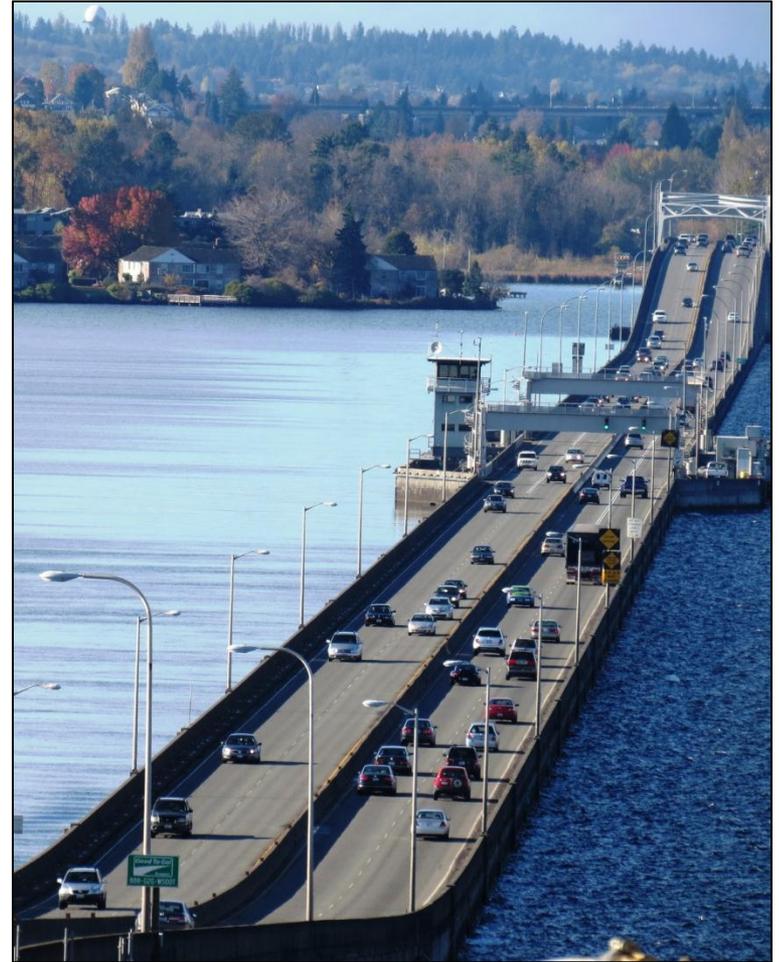
**Steve Reinmuth**  
Chief of Staff

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

**Washington State Transportation Commission**  
**December 12, 2012**

# Presentation Overview

- SR 520 Program overview
- Construction update
- Pontoon update
- West side update
- Questions

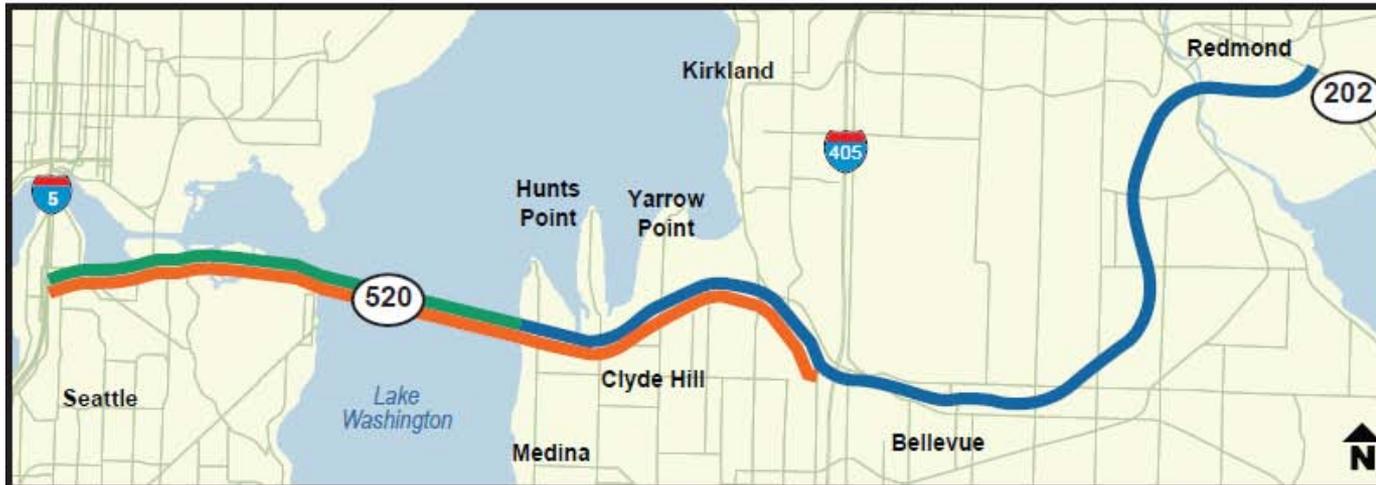


*View of the SR 520 floating bridge, looking west from Medina.*

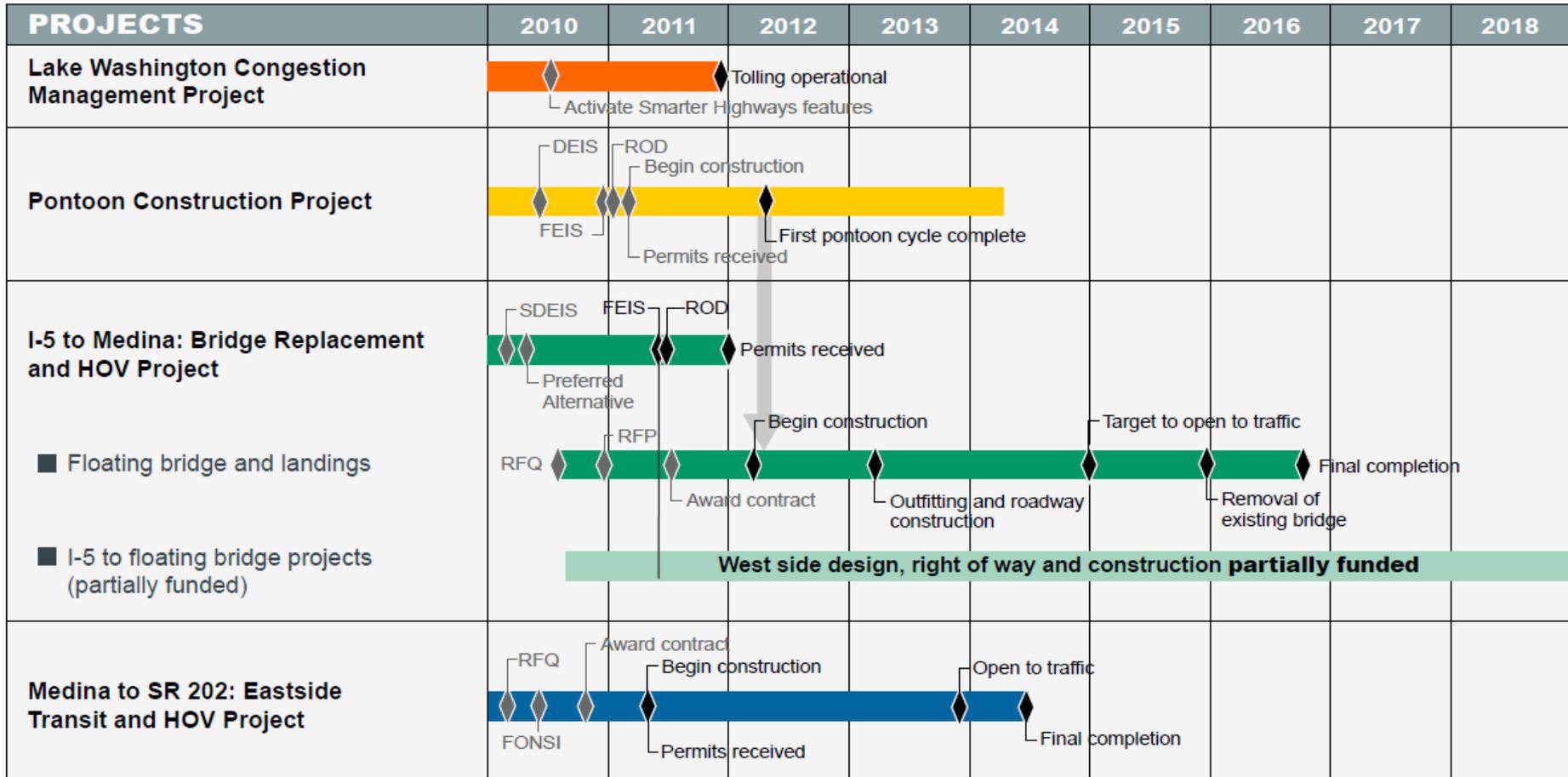
# SR 520 Program Description

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.

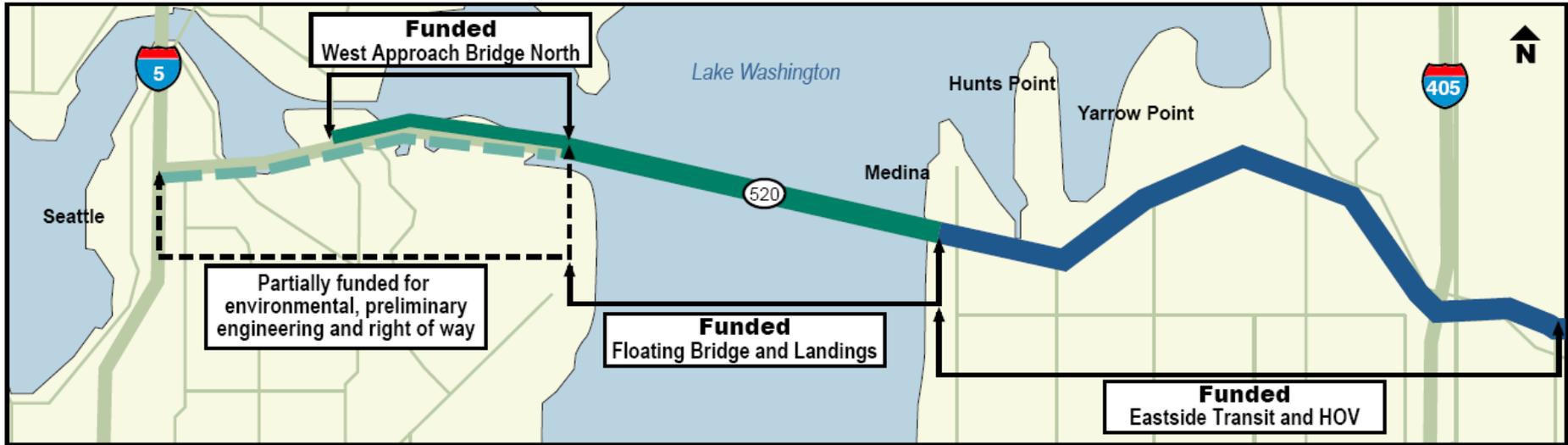


# SR 520 Program Schedule



UPDATED: Sept. 8, 2011

# What is Funded For \$2.72 Billion?



**Program cost estimate (Oct. 2012): \$4.13 billion**

**What's funded: \$2.72 billion (includes sales tax deferral)**

- Pontoon construction in Grays Harbor.
- The floating bridge and landings.
- Eastside transit and HOV improvements.
- The north half of the west approach bridge.

# Costs and Funding

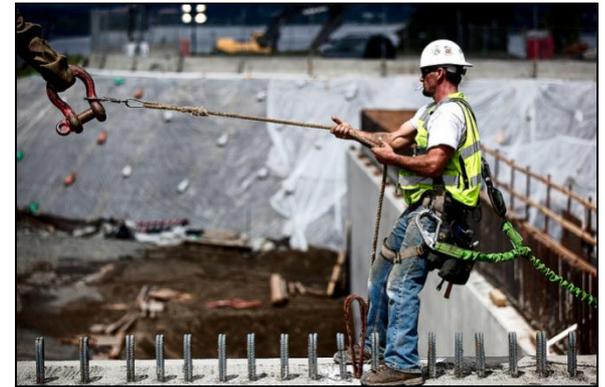
<b>SR 520 program cost estimate</b>		<b>\$4.13 B</b>
<b>Funding received to date</b>		<b>\$2.72 B</b>
State funding (Nickel and TPA)	\$0.55 B	
Federal funding	\$0.12 B	
SR 520 Account (tolling and future federal funds)	\$1.61 B	
TIFIA loan	\$0.30 B	
Deferred sales tax	\$0.14 B	
<b>Unfunded need</b>		<b>\$1.404 B</b>

*Program cost estimate based on 2012 CEVP - updated 10/25/12*

# Construction Update

## Job Creation

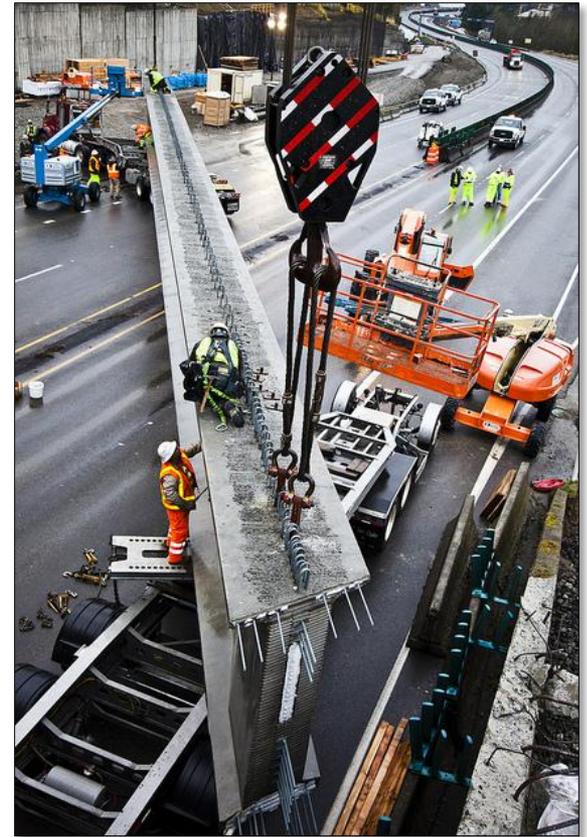
- SR 520 projects have created hundreds of jobs around the state.
  - Eastside Transit and HOV Project: 235 jobs
  - Floating Bridge and Landings Project: 482 jobs
  - Pontoon Construction Project: 350 jobs
  - Total jobs as of fall 2012: 1,067 jobs
- Skilled construction trades include:
  - Carpenters
  - Concrete workers
  - Crane operators
  - Electricians
  - Iron workers
  - Laborers
  - Machine operators
  - Painters
  - Truck drivers
  - Welders



# Construction Update

## Eastside Transit and HOV Project

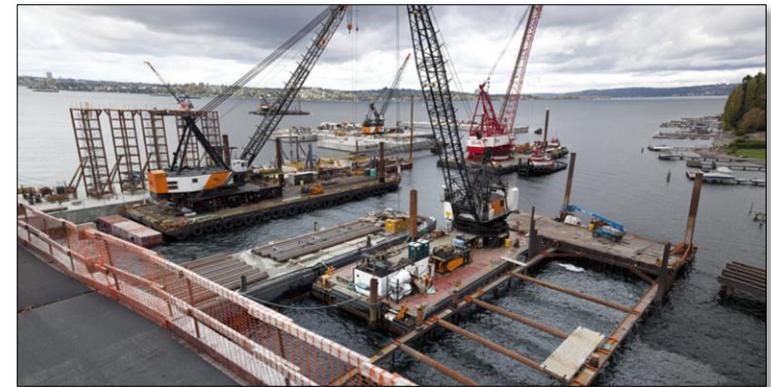
- Construction on the \$306 million project began in April 2011. Corridor improvements are scheduled to open to drivers in late 2013.
- The project will improve regional mobility by:
  - Adding new transit/HOV lanes through the entire Eastside SR 520 corridor.
  - Adding median transit stops.
  - Creating wider, safer shoulders.
  - Building direct-access ramps.
  - Completing a regional bicycle and pedestrian path.
- Recent work accomplished includes:
  - Constructing several fish-friendly culverts under the highway to improve fish migration.
  - Making progress on three lidded overpasses.
  - Installing corridor walls and stormwater ponds.



# Construction Update

## Floating Bridge and Landings Project

- Construction of the \$586 million project started in April 2012. The new floating bridge is scheduled to open to traffic as soon as December 2014. The contract allows through July 2015 to open the new bridge.
- Work is taking place around the region:
  - Kenmore:** Construction of precast elements.
  - Tacoma:** Construction of supplemental pontoons.
  - Lake Washington:** Assembly of new floating bridge.



# Construction Update

## Pontoon Construction Project

- Construction of the \$367 million project started in February 2011, and pontoons are being constructed in six cycles through 2014.
- The casting basin facility is located in Aberdeen, WA.
- The first six pontoons in Cycle 1 were floated out of the basin in July 2012.
- The next six Cycle 2 pontoons are currently under construction.



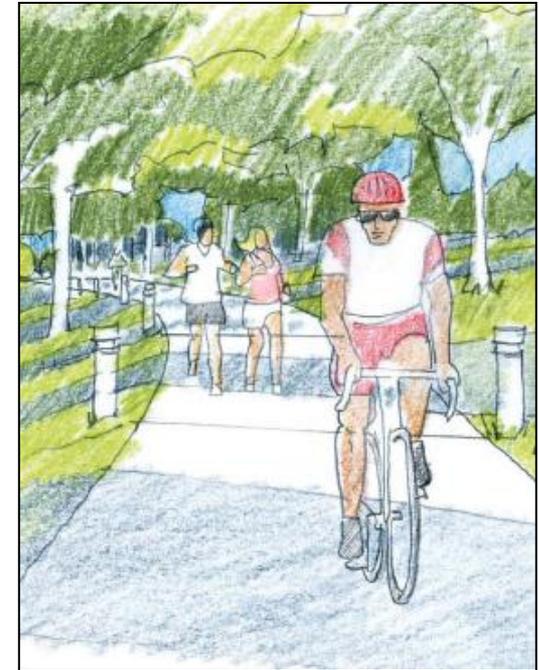


# I-5 to Medina Project Update and Next Steps

- West connection bridge update
- West approach bridge north funded for construction
- Coordination with City of Seattle and Council
- Seattle Community Design Process
  - A public process to refine the project vision and design in the Seattle area
  - Draft design report published in September 2012, received over 1,600 public comments
- Next steps: Funding remaining \$1.4 billion to complete corridor.



*Attendees discuss design refinements at a July 2012 public meeting.*



*The project will improve bicycle and pedestrians connections.*

# Questions?

For more information:

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

**E-mail:** [SR520Bridge@wsdot.wa.gov](mailto:SR520Bridge@wsdot.wa.gov)  
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**Call:** 1-888-520-NEWS (6397) or 206-770-3568

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# Additional Slides

# SR 520 Eastside Construction Photos

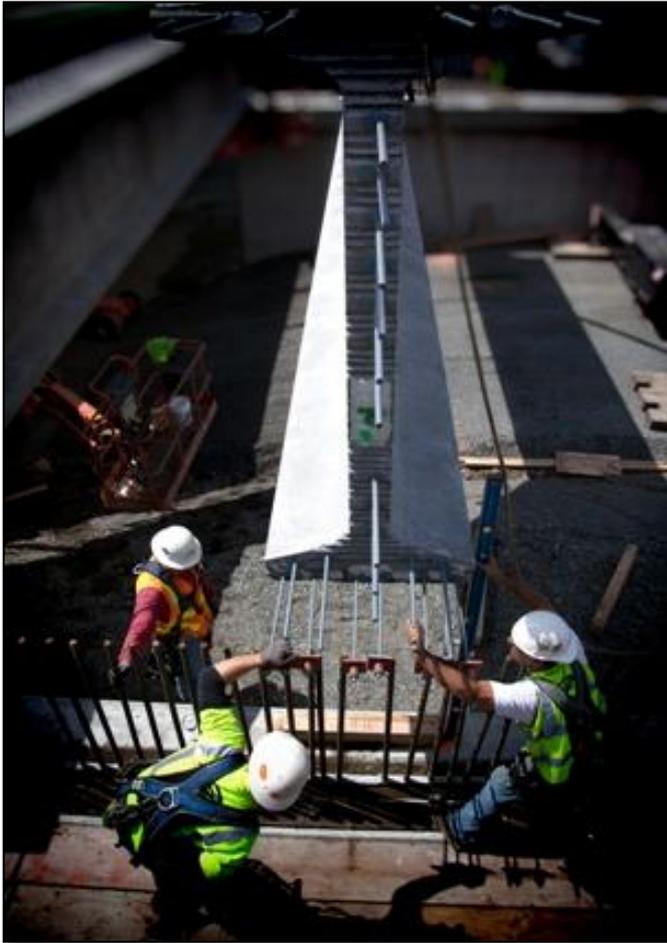


*Crews install a fish-friendly culvert under the SR 520 highway on the Eastside.*



*A worker places a girder to support a new lid on the Eastside.*

# SR 520 Eastside Construction Photos



*Crews set girders at the new Evergreen Point Road overpass in June 2012.*



*Excavators armed with concrete munchers helped crews demolish the old Evergreen Point Road overpass in March 2012.*



*Crews set more than 200 precast concrete panels for the new lidded overpass at Evergreen Point Road during the July 2012 weekend closure.*

# SR 520 Floating Bridge and Landings Photos



*Construction barges complete work on the new SR 520 floating bridge on Lake Washington. New pontoons are pictured in the background.*



*Aerial view of the SR 520 floating bridge and construction barges, looking west.*

# SR 520 Pontoon Construction Photos



*Work continues at the Pontoon Construction Project site in Aberdeen, WA.*



*A worker, tied off for safety, ties rebar on a Cycle 1 pontoon in Aberdeen, WA.*