

Highway Construction Program

Monthly Delivery Progress Report Watch List

December 2013

This report focuses on Capital Highway Program projects which have, or may have significant changes in scope, schedule, or budget. These projects are reported monthly by CPDM to identify when and how these delivery issues are resolved.

The Monthly Delivery Progress Report Watch List replaces the quarterly delivery progress report previously known as The Gray Notebook Watch List. A monthly report allows for timely reporting and improves transparency on delivery progress.

This report sorts projects into three categories: new projects being reported on, changes from last month, and projects previously reported that have no changes and are not yet resolved.

- *New projects in December 2013.* These projects have been added to the watch list due to potential changes or issues in scope, schedule, or budget. This category also includes projects with changes that occurred and were resolved within the current month.
- *Changes from Last Month.* Changes discussed in this section were on the previous month's watch list and have other issues that have happened; or they may have been resolved. *This section also includes projects where the issues were resolved and the project was removed from this list.*
- *No Changes from Last Month.* These projects were on the previous month's watch list and are being followed while an issue is in the process of being resolved.

For additional information on scope, schedule and budget for all projects, please visit [WSDOT's project pages](http://www.wsdot.wa.gov/projects/search/). This is the link that leads to the websites of individual projects:
<http://www.wsdot.wa.gov/projects/search/>

To search for a particular project, please enter the state route, county, project title or PIN.

Summary

Delivery Progress Report Summary Table as of December 31, 2013, with issues based on a monthly update.

New in December 2013	
Project	Phase/Issue
I-5/SR 16/EB Nalley Valley – HOV (Pierce) 300509X	<i>Construction: weather</i>
SR 8/Wildcat Creek – Fish Barrier Removal (Grays Harbor) 300817A	<i>Design: design element changes</i>

SR 20/Race Road to Jacobs Road – Safety Improvements (Phase 2) (Island) 102010R	<i>Design: design element changes</i>
SR 99/George Washington Bridge – Painting (King) 109947B	<i>Design: design element changes</i>
SR 99/S King St Vic to Roy St - Viaduct Replacement (King) 809936E	<i>Construction: site problems</i>
SR 99/South Holgate Street to South King Street – Viaduct Replacement (King) 809936D	<i>Construction: timing problems</i>
US 101 /Siebert Creek – Remove Fish Barrier (Clallam) 310104F	<i>Design: design element changes</i>
SR 162/Puyallup River Bridge - Replace Bridge (Pierce) 316219A	<i>Design: permitting</i>
SR 520/ Bridge Replacement and HOV (Nickel/TPA) (King) 8BI1003 <ul style="list-style-type: none"> • SR 520/Medina to SR 202 Vicinity - Eastside Transit and HOV (King) 852021A • SR 520 Pontoon Construction (Grays Harbor, King) 852003A • SR 520/I-5 to Medina - Evergreen Point Floating Bridge and Landings (King) 852004B 	<i>Construction: construction materials</i>
SR 520/ Bridge Replacement and HOV (Nickel/TPA) (King) 8BI1003 <ul style="list-style-type: none"> • SR 520 Pontoon Construction (Grays Harbor, King) 852003A 	<i>Construction: construction materials</i>
SR 520/ Bridge Replacement and HOV (Nickel/TPA) (King) 8BI1003 <ul style="list-style-type: none"> • SR 520/Medina to SR 202 Vicinity - Eastside Transit and HOV (King) 852021A 	<i>Construction: construction materials</i>

Changes from November 2013	
<i>Project</i>	<i>Phase/Issue</i>
SR 167/8th St E Vic to S 277th St Vic - Southbound Managed Lane (King, Pierce) 816701C	<i>Design: design element change; schedule delay</i>

No Changes from November 2013	
<i>Project</i>	<i>Phase/Issue</i>
SR 3/Belfair Area – Widening and Safety Improvements (Mason) 300344D	<i>Design: right of way issues; schedule delay</i>
I-5/Portland Ave to Port of Tacoma Rd – NB HOV (Pierce) 300509N	<i>Design: tribal concerns</i>
I-5/Portland Ave to Port of Tacoma Rd - SB HOV (Pierce) 300509S	<i>Design: tribal concerns</i>
I-5/M St to Portland Ave – HOV (Pierce) 300509M	<i>Design: geological</i>
SR 16/Tacoma Narrows Bridge - Replace Maintenance Traveler (Pierce) 301698B	<i>Design: design element change</i>
I-90/Snowshed to Keechelus Dam Phase 1C - Replace Snowshed and Add Lanes (Kittitas) 509090C	<i>Construction: design element change</i>
SR 302/Key Peninsula Highway to Purdy Vic - Safety & Congestion (Pierce) 330215A	<i>Design: utility relocations</i>
SR 532/Davis Slough Bridge Replacement – Widening for Flood Prevention (Island, Snohomish) 153208G	<i>Design: environmental permitting</i>
SR 16/Anderson Creek Tributary to Sinclair Inlet - Fish Barrier Removal (Kitsap) 301653A	<i>Design: schedule delay</i>
SR 307/Dogfish Creek - Fish Barrier Removal (Kitsap) 330706A	<i>Design: schedule delay</i>
SR 507/Lacamas Creek Tributary to Muck Creek – Fish Barrier Removal (Pierce) 350737A	<i>Design: schedule delay</i>
SR 542/Hedrick Creek - Fish Barrier Removal (Whatcom) 154231J	<i>Design: schedule delay</i>

December 2013

Project Detail

Below is the detail behind the above summary.

New in December 2013

I-5/SR 16/EB Nalley Valley – HOV (Pierce)

Issue: The construction schedule has been delayed and incorporated into the project.

This Nickel and TPA project, budgeted for \$115 million, is in construction. The operationally complete date has been delayed by four months, from March 2014 to July 2014, due to unsuitable weather reducing the number of workable days in the schedule. Change orders were required to allow the contractor to make up the delay.

This project is one of several projects that rebuild the Nalley Valley Viaduct in Tacoma and add HOV lanes on SR 16 and I-5. All eastbound SR 16 traffic has been moved onto a new and improved eastbound viaduct structure. The project will also open a new ramp between South Sprague Avenue and eastbound SR 16. Both the new eastbound and westbound viaducts create ramp connections that will be used in the future phase.

Reconstruction of the Nalley Valley interchange is part of the Tacoma/Pierce County HOV corridor and will reduce congestion, improve safety, and add HOV lanes in Pierce County.

SR 8/Wildcat Creek – Fish Barrier Removal (Grays Harbor)

Issue: A redesign on this project has increased the cost and delayed the schedule. These changes have been incorporated into the project. This project is being removed from this list.

This project, budgeted for \$441,000, is in the design phase. Design element changes on this project have increased the total cost by \$12.4 million, to a total cost of \$12.8 million. The original 2007 design was to retrofit an existing culvert and did not meet current requirements for fish barrier removal. The redesign will replace the existing culvert with a new bridge, realign the stream, and restore the stream bed.

Due to the redesign, the schedule has been delayed. The advertisement date has been delayed nine months, from February 2015 to November 2015, and the project completion date has been delayed 16 months, from September 2015 to January 2017.

SR 20/Race Road to Jacobs Road – Safety Improvements (Phase 2) (Island)

Issue: The project has scope changes, a cost increase, and a schedule delay.

This project, budgeted for \$4.9 million, is in design. The cost of this project has increased by \$1.1 million to a total cost of \$6 million due a change in the recommended solution. The original solution at Parker Road has been revised from a two-way left turn lane and widened shoulders at the Island County Waste Complex, and safety improvements at Parker Road, to a realignment of the Parker/Morris Road intersections and safety improvements at the Transfer Site. This decision followed extensive coordination between WSDOT, Island County, and Island Transit to improve safety and meet the needs of their new transit facility at Parker and Morris Roads.

The advertisement date is delayed two months, from December 2014 to February 2015, to allow time to obtain additional environmental permits (Section 106, 4(F)), following the determination that Parker Road is an historic road, and to allow more time for right of way acquisition. The project completion date is anticipated to remain as July 2015.

SR 99/George Washington Bridge – Painting (King)

Issue: The schedule of this project has been delayed.

This project, budgeted for \$50.1 million, will clean and paint the bridge to preserve the structural integrity.

The project is in the design phase and the bridge design work has been delayed. The Bridge Office has required a complete evaluation of all bridge members for potential repairs or replacements due to missing caps on rail pedestal and decayed steel members including luminaries prior to painting the bridge. As a result, the advertisement has been delayed by eight months, from January 2014 to September 2014. The extent of repairs that may be recommended as a result of the evaluation is not known at this time.

SR 99/S King St Vic to Roy St - Viaduct Replacement (King)

Issue: An underground obstacle has halted the tunnel boring machine.

On December 6th, the tunnel boring machine, Bertha, was stopped to determine what was obstructing progress. Bertha has tunneled more than 1,000 feet at a depth of 60 feet below the earth's surface and was about 10 percent of the way through her nearly two-mile journey to the north end of downtown Seattle.

An 8" diameter pipe that is 119 feet long may be part of the cause of Bertha's halted progress. To identify and remove what is in the machine's path, crews first dug 5' diameter vertical shafts.

The contractor, Seattle Tunnel Partners, spent much of December carrying out investigations and installing wells near the machine to reduce water pressure and create a safe environment for the crews to inspect the machine's excavation chamber and the area immediately in front of the machine.

The \$2 billion tunnel is part of the state's \$3.1 billion replacement for the Alaskan Way Viaduct which is at risk of failure in a severe earthquake.

SR 99/South Holgate Street to South King Street – Viaduct Replacement (King)

Issue: The schedule delay has been incorporated into the project. This project is removed from this list.

This project, budgeted for \$354.3 million, is in the construction phase. The project completion date was delayed one month, from December 24, 2013 to January 27, 2014, to coordinate the timing and number of road closures during high volume traffic occurrences within the project's limits.

The Alaskan Way Viaduct is being replaced with a transportation facility that will improve earthquake resistance and mobility for people and goods. Work done on a section of the Alaskan Way Viaduct includes a new interchange in the vicinity of Royal Brougham Way and a railway grade separation structure at South Atlantic Street. Also included are improvements to local bike/pedestrian facilities, signing, illumination, ITS, drainage, and utilities, and relocations of BNSF railroad tracks.

US 101 /Siebert Creek – Remove Fish Barrier (Clallam)

Issue: The cost has increased and the schedule was delayed.

This project, budgeted for \$7.6 million, is in design. The cost has increased by \$18 million to a total project cost of \$25.6 million due to redesigning this project to eliminate restrictions to fish passage. The original 2008 design was to replace an existing culvert and did not meet current requirements for fish barrier removal. The redesign will replace the existing culvert with a new bridge.

The advertisement date remains at the original date of September 2016. The new design has delayed the project completion date by 14 months, from February 2017 to April 2018.

SR 162/Puyallup River Bridge - Replace Bridge

Issue: The schedule was delayed.

This project, budgeted for \$15.6 million, is in design. When complete, the project will construct a new, wider bridge that meets current engineering and safety standards.

The advertisement date has been delayed nine months, from December 2013 to September 2014, due to environmental permitting issues. The project completion has been delayed 11 months, from April 2015 to March 2016.

SR 520/ Bridge Replacement and HOV (Nickel/TPA) (King)

- SR 520/Medina to SR 202 Vicinity - Eastside Transit and HOV (King)
- SR 520 Pontoon Construction (Grays Harbor, King)
- SR 520/I-5 to Medina - Evergreen Point Floating Bridge and Landings (King)

Issue: Additional funding is required.

These three design-build projects in the SR 520 program are in construction. With \$800 million remaining in funded construction, WSDOT has requested approximately \$170 million in additional project funding.

WSDOT has determined that most of the funding can be provided by available SR 520 toll bonding capacity, with other existing agency resources providing the remaining funds, dependent on legislative approval.

The SR 520 program's legislatively authorized budget currently is capped at \$2.72 billion. The budget covers three major projects: Eastside improvements to the SR 520 corridor from Medina to Redmond, budgeted for \$481 million; the pontoon construction project, budgeted for \$543.7

million; and the new floating bridge and bridge landings, budgeted for \$1.1 billion. The addition of transit/HOV lanes in both directions from Seattle's Montlake neighborhood to I-5, along with other corridor enhancements on that stretch of highway, remains unfunded. WSDOT will work with the Legislature to request authority to change the funded program budget from \$2.72 billion to \$2.89 billion.

SR 520/ Bridge Replacement and HOV (Nickel/TPA) (King)

- SR 520 Pontoon Construction (Grays Harbor, King)

Issue: The construction schedule has been delayed.

This design-build project, budgeted for \$543.7 million, is in construction. The pontoon project completion date has been delayed 10 months, from July 2014 to May 2015, due to additional time needed to complete the repairs to cracks on the pontoons. The contractor on the floating bridge is required to make the repairs on the pontoons. The delay on the pontoon project has delayed the floating bridge and landings project to April 2016, as reported in the September 2013 Watch List. (For the complete report, please see the June 2013 [Progress Delivery Reports Archive website](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm)) <http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

SR 520/ Bridge Replacement and HOV (Nickel/TPA) (King)

- SR 520/Medina to SR 202 Vicinity - Eastside Transit and HOV (King)

Issue: The construction schedule has been delayed.

This design-build project, budgeted for \$481 million, is in construction. The project completion date on this project has been delayed from December 2013 to summer 2014. The issues related to the delay are currently under negotiation between the contractor and WSDOT. Resolution is expected within the next three to six months.

Changes from November 2013

SR 167/8th St E Vic to S 277th St Vic - Southbound Managed Lane (King, Pierce)

Changes from Last Month: The design element change has been incorporated into the project. This project is being removed from this list.

Previously reported: A design element change on this \$82 million project addressed culvert replacement and repairs. The original plan of a southbound managed lane with electronic signs overhead is being replaced by a High Occupancy Toll (HOT) lane, but will stay within the same project limits. In addition, one bridge will be widened, and signalization, ramp meters, and noise walls will be installed. The advertisement date was advanced to May 2014 from November 2014. The completion date remains on schedule for June 2017. (For the complete report, please see the November 2013 Watch List at the [Progress Delivery Reports Archive website](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm).)

(Correction to November 2013 Watch List report:) The design element change on this project had the potential to impact five culverts deemed fish barriers; however, only three were found to

need improvements. The initial design in 2007 mentioned one fish barrier removal as part of the project and the November Watch List erroneously reported that two culverts would be impacted.

The three culverts requiring improvement include two culverts on Jovita Creek that will be replaced with a fish passage structure that meets stream simulation requirements. The third culvert, which passes under an abandoned service road on an unnamed tributary to Milwaukee Canal, will be removed and the channel restored.

No Changes from November 2013

SR 3/Belfair Area – Widening and Safety Improvements (Mason)

Status: No change.

Previously reported: The schedule has been further delayed and the project cost has increased by \$1.1 million to a total project cost of \$19.3 million. The increase was incorporated into this project. The advertisement date was delayed to February 2014 and the completion date has been delayed to November 2015. Right of way acquisition has proved to be more extensive than anticipated. Twenty-six of the 44 parcels have been acquired, but complex offers remain to be settled. (For the complete report, please see the August 2013 Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm)) <http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

I-5/Portland Ave to Port of Tacoma Rd – NB HOV (Pierce)

Status: No change.

Previously reported: The operationally complete date has been further delayed nine months to August 2017. The construction schedule has been delayed. The project, expected to be readvertised in September 2013, is now anticipated to be readvertised in June 2014. The bid opening has been cancelled on this project until the negotiations with the Puyallup Tribe of Indians have been completed. The operationally complete date is also being delayed by one year to November 2016. (For the complete report, please see the June 2013 Watch List at the [Progress Delivery Reports Archive website](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm)) <http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

I-5/Portland Ave to Port of Tacoma Rd - SB HOV (Pierce)

Status: No change. The schedule delay has been incorporated into the project.

Previously reported: This project, budgeted for \$248.1 million, is in the design phase; the schedule has been delayed. The advertisement date has been delayed, from March 2016 to June 2017, due to the bid opening cancellation on the northbound HOV project to allow time for ongoing negotiations with the Puyallup Tribe of Indians on mitigating project impacts and acquiring easements. The project completion date on this southbound project may be delayed, from March 2019 to November 2020. (For the complete report, please see the October 2013

Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm) website.)
<http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

I-5/M St to Portland Ave – HOV (Pierce)

Status: No change.

Previously reported: The cost has increased and the schedule has been further delayed. This project, budgeted for \$142.5 million, is in the design phase. The cost increased by \$26 million to a total cost of \$168.5 million, due to increased costs for bridge demolition, shaft obstructions, drainage, and a correction to underestimating the square footage of the new bridge. The advertisement date was delayed to February 2014, due to changes in staging the construction plans for alignment, drainage, paving, and work zone traffic control. The project completion date has been delayed 10 months to February 2017. (For the complete report, please see the October 2013 Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm) website.)
<http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

SR 16/Tacoma Narrows Bridge - Replace Maintenance Traveler (Pierce)

Status: No change.

Previously reported: The budget and schedule are at risk. Design revisions and historical preservation requirements have delayed the advertisement by two months, from January 2014 to March 2014, to allow time for consultants to design the upper rail and delete the lower rail from the plan set. The project cost has increased by \$5.6 million, from \$3.8 million to \$9.3 million. (For the complete report, please see the November 2013 Watch List at the Progress Delivery Reports Archive website) <http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

I-90/Snowshed to Keechelus Dam Phase 1C - Replace Snowshed and Add Lanes (Kittitas)

Status: No change.

Previously reported: The completion date has been delayed one year from October 2017 to October 2018 due to delays in the contractor's schedule which reflect design revisions. Also delaying the project is slower-than-expected progress on construction of a wall supporting the westbound lanes due to unanticipated voids in the existing embankment. WSDOT continues to re-evaluate the wall design in anticipation that an alternative design will be completed over the course of the winter. (For the complete report, please see the September 2013 Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm) website.)
<http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

This project was listed on the [Construction Change Order website](#) in September.

SR 302/Key Peninsula Highway to Purdy Vic - Safety & Congestion (Pierce)

Status: No change.

Previously reported: The advertisement date has been delayed four months, from October 2013 to February 2014, to complete right of way acquisition and utility relocation work. As a result, the completion date was delayed three months, from November 2014 to February 2015. (For the complete report, please see the November 2013 Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm) website.) <http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

SR 532/Davis Slough Bridge Replacement – Widening for Flood Prevention (Island, Snohomish)

Status: No change.

Previously reported: The advertisement date was further delayed from December 2013 to February 2014 to allow time for WSDOT to comply with both permitting and planning code requirements of Island County’s Shoreline permit. Native American artifacts were also uncovered on a parcel of land; WSDOT anticipates a portion of the plans will require redrafting. The operationally complete date remains on schedule. (For the complete report, please see November 2013 Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm) website) <http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

SR 16/Anderson Creek Tributary to Sinclair Inlet - Fish Barrier Removal (Kitsap)

Status: No change.

Previously reported: The cost has increased and the schedule has been delayed. In order to deliver fish barrier removal projects at a level and pace to meet the terms of the permanent injunction issued by the U.S. District Court on March 29, 2013, WSDOT is deferring the construction of this project and three other projects. The cost on this project, budgeted for \$7.2 million, increased by \$611,000 to \$7.8 million due to cultural resource work required on a shell midden, and work zone traffic control more complex than initially planned. The advertisement date was delayed two years to December 2015; the project completion date was also delayed almost two years, to October 2016. This project is delayed until additional funding is acquired. (For the complete report, please see the October 2013 Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm) website.) <http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

SR 307/Dogfish Creek - Fish Barrier Removal (Kitsap)

Status: No change.

Previously reported: The schedule has been delayed on this \$2.5 million project. In order to deliver fish barrier removal projects at a level and pace to meet the terms of the permanent injunction issued by the U.S. District Court on March 29, 2013, WSDOT is deferring the construction of this project and three other projects. The advertisement date was delayed almost

two years to December 2015. The project completion was delayed two years to October 2016. This project is delayed until additional funding is acquired. (For the complete report, please see the October 2013 Watch List at the Progress Delivery Reports Archive website.)

<http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

SR 507/Lacamas Creek Tributary to Muck Creek – Fish Barrier Removal (Pierce)

Status: No change.

Previously reported: The schedule has been delayed on this \$1.8 million project. In order to deliver fish barrier removal projects at a level and pace to meet the terms of the permanent injunction issued by the U.S. District Court on March 29, 2013, WSDOT is deferring the construction of this project and three other projects. The advertisement date was delayed 2½ years to December 2015. The project completion date was delayed three years to October 2016. This project is delayed until additional funding is acquired. (For the complete report, please see the October 2013 Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm) website.)

<http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>

SR 542/Hedrick Creek - Fish Barrier (Whatcom)

Status: No change.

Previously reported: The schedule has been delayed on this \$6 million project. In order to deliver fish barrier removal projects at a level and pace to meet the terms of the permanent injunction issued by the U.S. District Court on March 29, 2013, WSDOT is deferring the construction of this project and three other projects. The advertisement date was delayed 11 months to November 2014. The project completion date was delayed 19 months to October 2016. This project is delayed until additional funding is acquired. (For the complete report, please see the October 2013 Watch List at the [Progress Delivery Reports Archive](http://www.wsdot.wa.gov/Projects/Reports/Archive.htm) website.)

<http://www.wsdot.wa.gov/Projects/Reports/Archive.htm>