

**Watch List Projects with schedule or budget concerns (Month ending September 2012) (Updated as of 10-11-12)**

**Suggested Added to Watch List (September 2012)**

509702N	US 97/Satus Creek Vicinity – Paving (Yakima)	Design: design alternatives, materials procurement
509702O	US 97/Satus Creek Vicinity – Safety Work (Yakima)	Design: design alternatives, materials procurement
509703L	US 97/Satus Creek Vicinity – Bridge Replacement (Yakima)	Design: design alternatives, materials procurement

**Updates to Watch List (September 2012)**

100522B	I-5/Express Lane Automation (King)	Construction: site problems
200201K	US 2/Wenatchee River Bridges – Replace Bridge 2/215 TPA (Chelan)	Construction: weather, contractor issues, timing problems
200201L	US 2/Chiwaukum Creek – Replace Bridge - replace br 2/212 TPA (Chelan)	Construction: weather, contractor issues, timing problems
209700W	US 97/Cameron Lake Road - Intersection Improvements (Okanogan)	Design: alternatives, design disputes
310141H	US 101/Hoh River (Site #2) - Stabilize Slopes (Jefferson)	Environmental: permitting, technical issues
316118A	SR 161/24th St E to Jovita - Add Lanes (Pierce)	Utilities: utility relocations; Construction: timing problems
852003A	SR 520 Pontoon Construction Project (Grays Harbor, Pierce)	Construction: materials
852021A	SR 520/Medina to SR 202 Vicinity - Eastside Transit and HOV (King)	Coordination: local concerns, litigation, design changes

**Suggested Removed from Watch List (September 2012)**

153034C	SR 530/Skaglund Hill Slide (Snohomish)	Construction: weather, timing problems
202600I	SR 26/SR 24 - Othello Intersection Improvement (Adams)	Design: design element change
301698B	SR 16/Tacoma Narrows Bridge - Replace Maintenance Traveler (Pierce)	Design: timing problems

316130A	SR 161/Clear Lake N Rd to Tanwax Creek - Spot Safety Improvements (Pierce)	Design: design element changes
316219A	SR 162/Puyallup River Bridge - replace bridge (Pierce)	Design: alternatives
619509K	US 195/Cheney-Spokane Rd - New Interchange (Spokane)	Right of way: land acquisition

**Watch List Projects with schedule or budget concerns (Month ending September 2012) (Updated as of 10-11-12)**

**WSDOT's Capital Projects - Delivery Progress Reports  
September 2012 Watch List**

**Suggested Added to Watch List (September 2012)**

**509703L US 97/Satus Creek Vicinity – Bridge Replacement (Yakima)**

*(Related projects: 509702N US 97/Satus Creek Vicinity – Paving (Yakima); 509702O US 97/Satus Creek Vicinity – Safety Work (Yakima) )*

This project, budgeted for \$13.4 million, will replace the 70-year-old bridge with a wider and longer bridge, realign US 97, widen shoulders, upgrade pavement, and remove obstructions. When completed, the improvements will potentially reduce the risk of crashes and improve sight distance for drivers.

This project is in construction; the risk to the schedule has been realized. The operationally complete date has been delayed eight months from October 2012 to June 2013. The work is progressing slower than planned due to negotiations in resolving a source for rock materials, and a change in design to include a reinforced concrete retaining wall. Although the contractor doubled shifts to recover the work schedule, U.S. 97 traffic will continue to use the detour through the winter. The project is anticipated to be completed in spring 2013.

The total cost on this combined project has decreased to \$12.7 million, a savings of \$700,000, due to favorable bids. An update will be provided next month.

### **Updates to Watch List**

#### **100522B *I-5/Express Lane Automation (King)***

This project, budgeted for \$5.4 million, replaced a manual gate with automated gates on the I-5 Express Lanes in Seattle. It also installed 13 miles of new fiber optic lines to allow engineers to reverse lane directions remotely; and added new LED signs, 45 new traffic cameras to monitor gate entrances and blind corners, and camera cabinets. This project will reduce congestion by reducing the time needed to switch express lanes from the current one hour it takes to 15 minutes.

This project is operationally complete. The budget is at risk; the schedule is no longer at risk. A construction schedule delay led to a cost increase.

As reported in the Gray Notebook 46, the delay to the schedule was due to the contractor encountering field conditions that required numerous changes to the above ground and underground conduit and cabling systems, slowing progress and delaying operational completion from April to August 2012. By working additional crews on the weekends, the contractor was able to recover a portion of the delay. The project opened to traffic on July 23, 2012, approximately one month earlier than the anticipated August 2012 date.

The schedule delay and associated cost changes increased the project cost to approximately \$6.2 million, with pending increases to a total project cost of \$7.1 million. The pending cost increase of \$900,000 is due to contract bid item overruns, several approved change orders, and ongoing discussions with the contractor regarding schedule impact risk items. WSDOT continues to monitor the project for cost impacts.

#### **200201K *US 2/Wenatchee River Bridges - Replace Bridge 2/215 (Chelan)***

*(200201L (Related project: U.S. 2/Chiwaukum Creek - Replace Bridge (Chelan) 2/212) )*

These projects, budgeted for \$12.5 million, and known as *U.S. 2 – Tumwater Canyon Bridge Replacements*, will replace three narrow bridges over the Wenatchee River and Drury and Chiwaukum creeks with wider bridges designed to current standards. The added width will potentially improve safety for motorists, bicyclists, and pedestrians.

This project also constructs new turn lanes into Tumwater Campground and adds fish passage enhancements in the creek bed.

The projects are in the construction phase: the budget and schedule are at risk. As reported in the Gray Notebook 46, the operationally complete date has been delayed from December 2012 to September 2013. The contractor has made progress; lower water levels permitted work on the pier shafts to be completed, allowing bridge construction to continue above water.

WSDOT continues to monitor the situation and will determine possible impacts to the contract costs and the operationally complete date after the design revisions and pier construction are completed in 2012.

**200201L US 2/Chiwaukum Creek – Replace Bridge 2/212 (Chelan)**

*(200201K (Related project: U.S. 2/Wenatchee River Bridges - Replace Bridge (Chelan) 2/215) )*

These projects, budgeted for \$12.5 million, and known as U.S. 2 – Tumwater Canyon Bridge Replacements, will replace three narrow bridges over the Wenatchee River and Drury and Chiwaukum creeks with wider bridges designed to current standards. The added width will potentially improve safety for motorists, bicyclists, and pedestrians. This project also constructs new turn lanes into Tumwater Campground and adds fish passage enhancements in the creek bed.

The projects are in the construction phase: the budget and schedule are at risk. As reported in the Gray Notebook 46, the operationally complete date has been delayed from December 2012 to September 2013. The contractor has made progress; lower water levels permitted work on the pier shafts to be completed, allowing bridge construction to continue above water.

WSDOT continues to monitor the situation and will determine possible impacts to the contract costs and the operationally complete date after the design revisions and pier construction are completed in 2012.

**209700W US 97/Cameron Lake Rd - Intersection Improvements (Okanogan)**

This project, budgeted for \$1 million, will install improvements for freight traffic, improve sight distance at the intersection, and add illumination. When complete, the project will potentially reduce the frequency and severity of traffic collisions.

This project is in the design phase; the advertisement date of February 2013 is at risk. WSDOT has proposed a roundabout at the intersection of US 97 and Oak Street to improve the intersection, decrease accidents, and allow for safer freight movement through the corridor. An open house was held on September 19th to discuss alternatives to the WSDOT-proposed roundabout. Okanogan County Commissioners, State Representatives Kretz and Armstrong, the mayors of Omak and Okanogan, and some City Council members attended the meeting. There was little support expressed for the roundabout option.

WSDOT staff are in the process of reviewing the 160 comments left by attendees and determining the next steps in the project.

**310141H US 101/Hoh River (Site #2) - Stabilize Slopes (Jefferson)**

This project, budgeted for \$9.6 million, will install several log crib walls to stabilize the river bank and prevent further loss of the roadway due to Hoh River bank erosion.

The project is in the design phase; the schedule is at risk. The advertisement date is delayed from January 6, 2014 to December 8, 2014 due to a delay in permitting caused by staff cuts at other agencies. The winter advertisement date is necessary for scheduling the in-water work.

The delays have further delayed operational completion from January 25, 2015 to October 15, 2015.

**316118A SR 161/24th St E to Jovita - Add Lanes (Pierce)**

This project, budgeted for \$40 million including \$367,000 of local agency funds, widens a 1.2 mile section of SR 161 from three to five lanes through the City of Edgewood. The work includes new sidewalks and road approaches, illumination, retaining walls, storm water drainage facilities, and major utility relocations. When complete, the project will ease congestion and potentially improve safety along the SR 161 corridor.

The project is in the construction phase; the schedule and budget are at risk. Utility relocation and trench construction is progressing slower than planned due to underground conflicts. This delay is further postponing roadway widening work into winter weather. WSDOT and the contractor are working to recover some of the work schedule and reduce associated costs.

The operationally complete date has been delayed from June 2012 to September 2013. The delays are expected to increase the total project cost by \$2.5 million. An update will be provided next month.

**852003A SR 520 Pontoon Construction Project (Grays Harbor, Pierce)**

This Design-Build project, budgeted for a \$367 million contract, built a fifty-five-acre casting facility in Aberdeen to construct 21 longitudinal pontoons (360 feet long X 75 feet wide), two cross pontoons (240 feet long X 75 feet wide), and 10 supplemental

stability pontoons (98 feet long X 60 feet wide), for the new SR 520 floating bridge.

These pontoons are also designed to replace the existing floating bridge in the event of a catastrophic event.

The project is in the second of six cycles of pontoon construction; the interim schedule milestones are at risk. As reported in the Gray Notebook 46, the first cycle of pontoon construction floated out on July 30 had been delayed due to spalling and cracking in the pontoons. This delay may affect the remaining pontoons' construction schedule.

Repairs were completed on the four affected pontoons. An independent expert panel evaluated the probable causes for the spalling and cracking, and concurred with the repair procedures in the first cycle. They have made recommendations for the remaining pontoon construction cycles. These recommendations are reflected in the design and construction of the pontoons currently underway in Aberdeen.

**852021A SR 520/Medina to SR 202 Vicinity - Eastside Transit and HOV (King)**

This Design-Build project, budgeted for a \$306 million contract, will feature a six-lane SR 520 corridor between Medina and Redmond. The project will build an inside HOV/transit lane, wider shoulders, and environmental improvements including nine fish-passable stream crossings and associated habitat improvements. It will also add community enhancements like lids, and a regional trail extension; and construct two new median transit stops, along with other transit improvements. When completed, the project will provide design enhancements to reduce the potential for serious injury and fatal collisions along the SR 520 corridor, and improve mobility and fish habitat.

The project has completed design, is in construction, and is on schedule to be completed by the end of 2013. As reported in Gray Notebook 46, WSDOT and the design-builder, Eastside Corridor Constructors, continue their discussions on budget and schedule risks. Potential schedule and budget effects will be determined after further consultation with the contractor.

WSDOT continues to work with the contractor in resolving geotechnical considerations in the area. Negotiations are completed on the Fairweather Basin permit modifications and the additional noise walls.

WSDOT is monitoring the geotechnical item and now expects that issue to be resolved by spring 2013. As reported in Gray Notebook 46, the lawsuit by Fairweather Basin residents alleging reduced property values as a result of project actions is expected to be resolved by 2013.

**Removed from Watch List (September 2012)**

**153034C SR 530/Skaglund Hill Slide (Snohomish)**

This project, budgeted for approximately \$13 million, will build a retaining wall and improve drainage in a landslide prone area. When complete, the project will stabilize the roadway and underlying slope, reducing the potential for landslides. If this roadway was closed, the shortest route around would be a 58-mile detour.

The project is in the construction phase; the schedule risk was realized. As reported in Gray Notebook 46, the operationally complete date was delayed from June 2012 to July 2012 due to wet spring weather. The operationally complete date was met on July 14, 2012.

This project is being removed from the Watch List.

**202600I SR 26/SR 24 - Othello Intersection Improvement (Adams)**

This project, budgeted for \$700,000, will improve the intersection, reroute traffic through the city of Othello, reconfiguring and improving the intersection. The improvements will potentially reduce collisions, improve drivers' ability to see pedestrians, and ease congestion caused by traffic entering and leaving businesses at this location.

This project is in the design phase; the budget was at risk. As reported in the Gray Notebook 46, the budget increased by \$800,000 to a total of \$1.5 million, due to an oversight of work items that should have been included during the construction estimate. WSDOT will fund the unexpected increase.

This project is being removed from the Watch List.

**301698B SR 16/Tacoma Narrows Bridge - Replace Maintenance Traveler (Pierce)**

This project, budgeted for \$3.4 million, will replace or rehabilitate the maintenance traveler, a vehicle that travels the length of the bridge's undercarriage and is used by WSDOT maintenance crews to inspect the bridge.

The project is in the design phase; the risk to the schedule was realized. The advertisement date for this project has been delayed one year, from September 2012 to September 2013, due to time needed to evaluate replacing the 70-year old traveler. Maintenance travelers currently available for purchase are too heavy for the bridge.

The operationally complete date has also been delayed one year, from April 2013 to April 2014. This project is being removed from the Watch List.

**316130A SR 161/Clear Lake N Rd to Tanwax Creek - Spot Safety Improvements (Pierce)**

This project, originally budgeted for \$4.9 million, was originally intended to widen the roadway, construct left turn lanes, install illumination, and other safety improvements to reduce the risk of collisions. When complete, this project will potentially reduce collisions on this high collision corridor.

The project is in the design phase: the scope has been downsized to avoid earthwork, paving, and wetland impacts. The schedule has been delayed.

WSDOT used SafetyAnalyst, a software program, to recommend spot improvements

that could be made on the roadway, such as flashing beacons, pavement markings, illuminations, and basic improvements such as upgrading guardrails.

The reduced scope further reduced the construction cost from \$4.9 million to \$1.6 million since there was no right of way acquisition or major construction required to meet the project's objectives.

The project was advertised on July 16, 2012, delayed from May 21, 2012 due to the necessary revisions required for the new scope. This project is being removed from the Watch List.

**316219A SR 162/Puyallup River Bridge - Replace Bridge (Pierce)**

This project, budgeted for \$15 million, will replace the existing bridge. The bridge is too narrow and rates as "functionally obsolete." When completed, the project will construct a new, wider bridge that meets current engineering and safety standards.

The project is in the design phase; the schedule is at risk. The advertisement date is delayed to allow more time for the Section 106 consultation on this historic bridge. Additionally, the design office is working with utility companies to prepare utility relocation plans. And property appraisals are in process.

The advertisement is delayed one year from December 2012 to December 2013 because the current (McMillin) bridge is listed in the National Register of Historic Places. WSDOT must comply with federal law, which requires that alternatives be developed and evaluated that could avoid, minimize, or mitigate adverse effects to the historic structure. The delay is to seek public input, and to acquire parcels.

The operationally complete date is also delayed one year from April 2014 to April 2015. This project is being removed from the Watch List.

**619509K US 195/Cheney-Spokane Rd - New Interchange (Spokane)**

This project, budgeted for \$13.2 million, will construct a new interchange on U.S. 195 at Cheney-Spokane Road. When complete, this project will potentially reduce the number of severe collisions by eliminating left turns on this high-speed highway.

The project is in the construction phase; the schedule was at risk. The risk was realized. The project was advertised on September 24, 2012, a three-month delay from June 25, 2012 due to a pending right of way condemnation proceeding which depended on a court ruling; the court ruled early.

The operationally complete date is now delayed from October 2013 to August 2014. This project is being removed from the Watch List.