



**WASHINGTON STATE**  
**Joint Aquatic Resources Permit**  
**Application (JARPA) [help]**



US Army Corps  
of Engineers  
Seattle District

AGENCY USE ONLY

Date received: \_\_\_\_\_;  Town  
 Application Fee Received;  Fee N/A  
 New Application;  Renewal Application  
Type/Prefix #: \_\_\_\_\_; NaturE Use Code: \_\_\_\_\_  
LM Initials & BP#: \_\_\_\_\_  
RE Assets Finance BP#: \_\_\_\_\_  
New Application Number: \_\_\_\_\_  
Trust(s): \_\_\_\_\_; County: \_\_\_\_\_  
AQR Plate #(s): \_\_\_\_\_  
Gov Lot #(s): \_\_\_\_\_  
Tax Parcel #(s): \_\_\_\_\_

**Attachment E:**  
**Aquatic Use Authorization on**  
**Department of Natural Resources**  
**(DNR)-managed aquatic lands [help]**

Complete this attachment and submit it with the completed JARPA form only if you are applying for an Aquatic Use Authorization with DNR. Call (360) 902-1100 or visit <http://www.dnr.wa.gov/programs-and-services/aquatics/leasing-and-land-transactions> for more information.

- DNR recommends you discuss your proposal with a DNR land manager before applying for regulatory permits. Contact your regional land manager for more information on potential permit and survey requirements. You can find your regional land manager by calling (360) 902-1100 or going to <http://www.dnr.wa.gov/programs-and-services/aquatics/aquatic-districts-and-land-managers-map>. [help]
- The applicant may not begin work on DNR-managed aquatic lands until DNR grants an Aquatic Use Authorization.
- Include a \$25 non-refundable application processing fee, payable to the "Washington Department of Natural Resources." (Contact your Land Manager to determine if and when you are required to pay this fee.) [help]

DNR may reject the application at any time prior to issuing the applicant an Aquatic Use Authorization. [help]

Use black or blue ink to enter answers in white spaces below.

<b>1. Applicant Name (Last, First, Middle)</b>	
Sauriol, William; Washington State Department of Transportation	
<b>2. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]</b>	
WSDOT Interstate 90 / Yakima River Bridges East of Cle Elum and West of Ellensburg	
<b>3. Phone Number and Email</b>	
509-577-1752; SaurioW@wsdot.wa.gov	
<b>4. Which of the following applies to Applicant? Check one and, if applicable, attach the written authority – bylaws, power of attorney, etc. [help]</b>	
<input type="checkbox"/> Corporation <input type="checkbox"/> Limited Partnership <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Liability Company Home State of Registration: _____	<input type="checkbox"/> Individual <input type="checkbox"/> Marital Community (Identify spouse): _____ <input checked="" type="checkbox"/> Government Agency <input type="checkbox"/> Other (Please Explain): _____







**WASHINGTON STATE**  
**Joint Aquatic Resources Permit**  
**Application (JARPA) Form<sup>1,2</sup> [help]**



US Army Corps  
of Engineers  
Seattle District

AGENCY USE ONLY

Date received: \_\_\_\_\_

Agency reference #: \_\_\_\_\_

Tax Parcel #(s): \_\_\_\_\_

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.

**Part 1—Project Identification**

<b>1. Project Name</b> (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]
Interstate-90 / Yakima River Bridges East of Cle Elum and West of Ellensburg— Deck Rehabilitation and Temporary Bridge

**Part 2—Applicant**

The person and/or organization responsible for the project. [help]

<b>2a. Name</b> (Last, First, Middle)			
Sauriol, William			
<b>2b. Organization</b> (If applicable)			
Washington State Department of Transportation (WSDOT)			
<b>2c. Mailing Address</b> (Street or PO Box)			
2809 Rudkin Road			
<b>2d. City, State, Zip</b>			
Union Gap, WA 98903-1648			
<b>2e. Phone (1)</b>	<b>2f. Phone (2)</b>	<b>2g. Fax</b>	<b>2h. E-mail</b>
509-577-1752	509-930-6501	509-577-1740	SaurioW@wsdot.wa.gov

<sup>1</sup>Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

<sup>2</sup>To access an online JARPA form with [help] screens, go to [http://www.epermitting.wa.gov/site/alias\\_resourcecenter/jarpa\\_jarpa\\_form/9984/jarpa\\_form.aspx](http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx).

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or [help@oria.wa.gov](mailto:help@oria.wa.gov).

### Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

3a. Name (Last, First, Middle)			
Same as applicant			
3b. Organization (If applicable)			
3c. Mailing Address (Street or PO Box)			
3d. City, State, Zip			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail

### Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out JARPA Attachment A for each additional property owner.
- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete JARPA Attachment E to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
4d. City, State, Zip			
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail



## Part 5--Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

<b>5a. Indicate the type of ownership of the property. (Check all that apply.)</b> <a href="#">[help]</a>			
<input type="checkbox"/> Private <input type="checkbox"/> Federal <input checked="" type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.) <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete <a href="#">JARPA Attachment E</a> )			
<b>5b. Street Address</b> (Cannot be a PO Box. If there is no address, provide other location information in 5p.) <a href="#">[help]</a>			
Interstate 90 (I-90) right of way between Milepost (MP) 85 and MP 86, near Exit 85 to Cle Elum and MP 102-103, approximately one mile east of Exit 101 and 3 miles west of Ellensburg.			
<b>5c. City, State, Zip</b> (If the project is not in a city or town, provide the name of the nearest city or town.) <a href="#">[help]</a>			
Cle Elum, WA 98922; Ellensburg, WA 98926			
<b>5d. County</b> <a href="#">[help]</a>			
Kittitas			
<b>5e. Provide the section, township, and range for the project location.</b> <a href="#">[help]</a>			
¼ Section	Section	Township	Range
SW	31	20 North	Range 16 East, W.M.
SE	36	20 North	Range 15, East W.M.
<b>5f. Provide the latitude and longitude of the project location.</b> <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)</li> </ul>			
Cle Elum location: 47.17988N; -120.89651 West - See also Attachment B for the Ellensburg location			
<b>5g. List the tax parcel number(s) for the project location.</b> <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>The local county assessor's office can provide this information.</li> </ul>			
N/A (I-90 right of way)			
<b>5h. Contact information for all adjoining property owners. (If you need more space, use <a href="#">JARPA Attachment C.</a>)</b> <a href="#">[help]</a>			
Name	Mailing Address		Tax Parcel # (if known)
<i>Cle Elum area bridge location:</i>			
City of Cle Elum	119 W. 1 <sup>st</sup> Street, Cle Elum, WA 98922		#145035
Nick Taklo etux	42 River Ranch Lane, Cle Elum, WA 98922		#435135
Clifford Winfrey etux	40 River Ranch Lane, Cle Elum, WA 98922		#355135, 425135
Patricia Clark	480 River Ranch Lane, Cle Elum, WA 98922		#375135
William & Josephine Boone	903 McDonald Road, Cle Elum, WA 98922		#385135, 365135, 20473, 20475, 20474
See Attachment B for adjoining property owners to the West Ellensburg bridge location			

<b>5i.</b> List all wetlands on or adjacent to the project location. <a href="#">[help]</a>
N/A
<b>5j.</b> List all waterbodies (other than wetlands) on or adjacent to the project location. <a href="#">[help]</a>
Yakima River; Ponds
<b>5k.</b> Is any part of the project area within a 100-year floodplain? <a href="#">[help]</a>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
<b>5l.</b> Briefly describe the vegetation and habitat conditions on the property. <a href="#">[help]</a>
The project area consists of an interstate highway that is vegetated with annual grasses in the median and outside the highway road fill and woody riparian plants (cottonwood and willow) near the river. See Appendix C, Site Photos
<b>5m.</b> Describe how the property is currently used. <a href="#">[help]</a>
The property is an existing four lane interstate highway used as a transportation corridor.
<b>5n.</b> Describe how the adjacent properties are currently used. <a href="#">[help]</a>
Adjacent properties are undeveloped or have residential and agricultural uses.
<b>5o.</b> Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. <a href="#">[help]</a>
The project includes an interstate highway and four permanent bridges that were built in the 1960s that cross the Yakima River in two locations: one is east of Cle Elum and the other is west of Ellensburg. Both Cle Elum bridges (ID #90/140North (Westbound) and #90/140South (Eastbound)) are 395-foot long and were constructed in 1965. Both Ellensburg bridges (ID #90/154North (Westbound) and #90/154South (Eastbound)) are approximately 595 feet long and were constructed in 1967. All bridges are two lanes (approximately 30 feet width), have box girder superstructures, concrete panel decking and are supported by 5-foot diameter concrete piers on spread footings at 80 to 100-foot spans.
<b>5p.</b> Provide driving directions from the closest highway to the project location, and attach a map. <a href="#">[help]</a>
The project is located on I-90 between: 1) MP 85 and MP 86 just east of Exit 85 near Cle Elum, WA, and 2) MP 102 and MP 103 about 3 miles west of Ellensburg near Exit 101. See Appendix A, Sheet 1 and Appendix B, Sheet 1.

## Part 6–Project Description

<b>6a.</b> Briefly summarize the overall project. You can provide more detail in 6b. <a href="#">[help]</a>
The project will repair four concrete-surfaced bridges that cross the Yakima River and are part of Interstate 90 (I-90) transportation corridor. The bridges are located in the eastbound and westbound lanes in two locations. This work requires the bridges to be closed. The temporary bridges may be in place for three construction seasons due to limited safe work zone areas, weight restrictions, concrete curing time, and the limited in-water work window to install and remove the temporary bridge and piers. The in-water work window is August 1-August 31. WSDOT requests an in-water work window of July 15-September 15.



In order to complete the work, the project will:

- **Construct one temporary bridge between the two bridges at each location.** Place steel pilings (in-water and above OHWM) for the two temporary bridges and to support repair work on the existing West Ellensburg bridges. The estimated Yakima River flows are 2800-4000 cubic feet per second in both locations during August, dropping lower to less than 1000 cfs after Labor Day through mid-October. See Appendix A Sheets 2 and 3, and Appendix B, Sheets 2-4.
- **Construct a temporary two-lane roadway (crossover)** connecting to the temporary bridge in the median at each location. The temporary bridge will allow work on one bridge to be completed with traffic routed to the temporary bridge, followed by work on the other bridge. No stormwater from the crossovers will discharge to the Yakima River. See Appendix A, Sheet 2 and Appendix B, Sheet 2.
- **Bridge Deck Repair**
  - Cle Elum Bridge deck repair: The approximate width of the wetted channel in this area is 230-feet. No in water work is required for these repairs. See Appendix A.
  - West Ellensburg Bridge deck repair and deck support structures: The approximate width of the wetted channel in this area is 250-feet. To complete these repairs, cross-support platforms placed on pilings with timber or metal framed decking will be installed to support the heavy construction equipment on the bridge decks during the repairs (EB and WB). See Appendix B.

The WSDOT contractor will be responsible for finalizing the temporary bridge and work support platform designs while maintaining project parameters, including a maximum number of 40 in-water pilings per location, full containment, piling alignment with upstream pilings, and temporary impact limits. The WSDOT contractor will provide final hydraulic analyses, including backwater and scour analyses for the designs to WSDOT for approval.

Stormwater runoff from the temporary crossover and structures will be dispersed and infiltrated similar to current treatment methods used along I-90 in the area and will be in accordance with the WSDOT Highway Runoff Manual guidelines and standards. No stormwater from the bridge structures will discharge to the Yakima River.

The temporary structures, pilings and crossover roadway will be removed to pre-construction conditions and elevations, and all disturbed areas will be restored. The temporary structures and pilings will remain in place and removed at one time unless incremental removal provides a net benefit to the aquatic environment.

**6b.** Describe the purpose of the project and why you want or need to perform it. [\[help\]](#)

To maintain the structural integrity and extend the life of the existing bridges on an interstate, protect the traveling public and maintain traffic conveyance (estimated 27,000 average daily vehicle trips) the bridge decks have deteriorated and need to be repaired and resurfaced.

**6c.** Indicate the project category. (Check all that apply) [\[help\]](#)

- |                                      |  |  |  |                                       |
|--------------------------------------|--|--|--|---------------------------------------|
| <input type="checkbox"/> Commercial  | <input type="checkbox"/> Residential               | <input type="checkbox"/> Institutional | <input checked="" type="checkbox"/> Transportation | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Maintenance | <input type="checkbox"/> Environmental Enhancement |  |  |                                       |

**6d. Indicate the major elements of your project. (Check all that apply) [help]**

<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Culvert	<input type="checkbox"/> Float	<input type="checkbox"/> Retaining Wall (upland)
<input type="checkbox"/> Bank Stabilization	<input type="checkbox"/> Dam / Weir	<input type="checkbox"/> Floating Home	<input checked="" type="checkbox"/> Road
<input type="checkbox"/> Boat House	<input type="checkbox"/> Dike / Levee / Jetty	<input type="checkbox"/> Geotechnical Survey	<input checked="" type="checkbox"/> Scientific Measurement Device
<input type="checkbox"/> Boat Launch	<input type="checkbox"/> Ditch	<input type="checkbox"/> Land Clearing	<input type="checkbox"/> Stairs
<input type="checkbox"/> Boat Lift	<input type="checkbox"/> Dock / Pier	<input type="checkbox"/> Marina / Moorage	<input type="checkbox"/> Stormwater facility
<input checked="" type="checkbox"/> Bridge	<input type="checkbox"/> Dredging	<input type="checkbox"/> Mining	<input type="checkbox"/> Swimming Pool
<input type="checkbox"/> Bulkhead	<input type="checkbox"/> Fence	<input type="checkbox"/> Outfall Structure	<input type="checkbox"/> Utility Line
<input type="checkbox"/> Buoy	<input type="checkbox"/> Ferry Terminal	<input checked="" type="checkbox"/> Piling/Dolphin	
<input type="checkbox"/> Channel Modification	<input type="checkbox"/> Fishway	<input type="checkbox"/> Raft	

**6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [help]**

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

The contractor may propose an accelerated or different schedule but the general construction sequence, methods and equipment are described below. Daytime and nighttime construction activities and winter shutdowns will occur.

**Year 2018 –**

- Construct a temporary construction access in the median and install BMPs. One lane and shoulder areas of I-90 may be closed for short durations.
- Conduct investigative geotechnical borings for the temporary bridge abutments, as needed.
- BMPs for entire project include:
  - Install high visibility fence at project limits to protect sensitive areas and silt fence near the shoreline.
  - Implement a Temporary Erosion and Sediment Control (TESC) plan for the project.
  - A Certified Erosion and Sediment Control Lead (CESCL) will be assigned to the project to implement and manage the TESC.
  - Prepare and update a project specific Spill Prevention, Control and Countermeasures (SPCC) Plan that includes, but is not limited to petroleum products and hazardous materials.
  - Manage ground water, processed water, and off-site water to federal water quality standards or Washington State water quality standards found in WAC 173-201A, including pH and turbidity.
  - Keep staging of equipment and hazardous materials away from sensitive areas, including open water.
  - Control pollution, erosion, sediment, and runoff from leaving the construction area.
  - Stabilize construction entrances.

**Build temporary crossovers** in the I-90 median by excavating, grading, filling and paving/stripping a two-lane crossover roadway on each side of the bridge.

- The crossovers will be approximately 3,000 foot long paved (hot mix asphalt) at each location.
- An estimated 3 acres will be altered or disturbed at each location. Except for the temporary bridge abutments and pilings, the crossover construction within the median is located outside the mapped 100-year floodplain.
- Trees/shrubs near the shoreline will be cut at ground level.
- Detour signage and transitions to the existing highway lanes will be installed.



**Temporary bridges and work platform-** See Appendix A, Sheet 3 and Appendix B, Sheet 3 and 4.

- A temporary bridge approximately 400-feet long will be needed at Cle Elum and 600-feet long at West Ellensburg, between the permanent bridges in the median. A temporary work platform with support pilings parallel to the temporary bridge will also be constructed on one or both sides of the temporary bridge.
- The existing rip rap in median will be reset (if needed) and place additional rip rap and embankment to serve as a ramp for equipment access and abutments for the temporary bridge and work platform will be placed. Untreated wood chips (hog fuel) (approximate one-foot depth) will be placed first as a barrier to the natural substrate before fill placement. The wood chips will not be removed after construction is completed but will remain to promote organic materials and nutrients materials into the system.
- Temporary fill for 3:1 or 4:1 ramps and abutments for the bridge will be placed in the median on each side of the river that are currently partially armored with rip rap. The fill needed for the temporary bridge abutments, access ramps and crossover highway will not be placed in the wetted channel but will partially occur below the ordinary high water mark. WSDOT will place the fill using the existing shoreline, access ramps and dry river bed areas. No equipment will operate in the wetted channel. All fill/rip rap will be removed but the wood chips will remain to promote organic materials and nutrients materials into the system.
- No excavation is proposed below the OHWM.
- ~~Place up to 40 pilings (12-30 inch each, bundled) within the Yakima River channel to support the work platform and the temporary bridges using cranes and vibratory hammer if possible based on the substrate, or by using an impact driver. This work will likely start at the shoreline and in low water areas of the river where possible, moving to the center of the river channel or to areas of deep water. Timber matting may be placed on the dry river bed to support equipment which will be removed in the same construction season. No excavation is proposed below the OHWM.~~
  - Piling depths will vary based on substrate and are estimated to be between 40 and 100-feet deep. In-water pile placement is limited to a maximum of 4,000 strikes per day to minimize impacts to aquatic life. Generally, an estimated two to four piles per day could be placed depending on substrate. Piling placement will generally be in alignment with the existing pilings on the permanent upstream bridges and flow direction of the river.
  - During the pile driving activity, the river substrate will be disturbed causing temporary turbidity increases. The areas of disturbance will be localized downstream of the activity and will not exceed 300-feet downstream of the work area. Disturbance will be of short duration and estimated clearing within one hour. Water quality monitoring by qualified staff will be done during all in-water work activities.
  - Hydro acoustic monitoring by qualified staff will be done during pile driving activities. A bubble curtain or other practicable underwater noise attenuation will be installed in areas with water depths greater than three feet where practicable.
- Build temporary work platforms parallel to the temporary bridge to set pilings and construction support structures and platforms. The work platform/falsework may remain until the temporary bridge is removed. Timber matting may be placed on the dry river bed to support equipment and will be removed in the same construction season.
- The contractor will prepare additional hydraulic and scour analyses based on the final structural designs for approval by WSDOT and regulatory agencies as required. The temporary bridges will be designed to WSDOT standards, pass applicable flood flows and be located in alignment with upstream pilings in order to not impede flows. The minimum bridge clearance will use the 25-year water surface elevation plus one foot of freeboard and the scour analysis shall use the 100-year peak flow as a minimum. Pilings and the work bridge will remain and be removed with temporary bridges.
- Install the temporary bridge girders, decking, rails and complete final paving, signing and striping.
- Stormwater runoff from the temporary bridges and support structures will be in accordance with the WSDOT Highway Runoff Manual guidelines and standards. No stormwater discharge to the Yakima River will occur.
- Staging will occur in closed portions of the highway, shoulders and bridges.



**Year 2019 –**

- Route either the westbound or eastbound traffic onto the crossover and temporary bridge and repair one bridge deck at a time.
- **Existing Bridge deck repairs.**
  - Place pilings and complete the bridge support structures.
  - Complete the bridge deck repair work that includes plugging storm drains, grinding, hydromilling, sawcutting and jackhammering the existing top layer, completing joint repairs, resurfacing with concrete that is poured in sections. 100% containment will occur.
  - To complete the West Ellensburg bridge repairs, cross-support platforms placed on pilings with timber or metal framed decking will be installed to support the heavy construction equipment on the bridge deck. The pilings and decking support will be near Pier 3 and Pier 5. Equipment access to install the supports will be from the shoreline via 3:1 or 4:1 ramps consisting of wood chips (hog fuel) barrier on the natural substrate, earthen materials and rip rap. The ramps in the median for the temporary bridge construction will be used. In addition, ramps may be needed on the outer sides of the existing bridges (upstream of the westbound bridge and downstream of the eastbound bridge) to complete the cross support platforms which is included in the Restoration Plan (Appendix F)
  - Timber matting may be placed on the dry river bed to support equipment which will be removed in the same construction season. No excavation is proposed. Pier 3 is not located within the wetted channel but Pier 5 is.
  - Repeat for the other bridge deck.

**Year 2020 –**

- **Temporary bridge and crossover removal.** Remove temporary bridges, support structures, and pilings, fill and crossover to pre-construction conditions, and then restore disturbed areas.
- Removal of temporary piles will be done by pulling with a vibratory hammer. If pile removal is tempted but not feasible, an accepted alternative would be to cut the pile at bed level using pneumatic underwater chainsaw or cutting torch. Best management practices and methods will be done to minimize disturbance.
- Voids are assumed to be naturally backfilled or WSDOT will use cleaned, washed river rock with no fines.

**Equipment** - Throughout the project area and within the floodplain, construction equipment will include: pile driver, drilling apparatus, crane, excavator, backhoe, water truck, dump truck, flatbed truck, roller, paver, traffic control vehicles, generator, pneumatic tools, hydromill, chain saw, vacuum truck, hydroseeder, concrete saw, chainsaw, jackhammer, and guardrail post installers. Below the ordinary highway mark but not within wetted channel, additional equipment that will be used are: dump truck, front loader, excavator with thumb bucket. In-water equipment involves piling placement and removal using a vibratory hammer, underwater chainsaw, or cutting torch.

**6f. What are the anticipated start and end dates for project construction? (Month/Year) [help]**

- If the project will be constructed in phases or stages, use JARPA Attachment D to list the start and end dates of each phase or stage.

Start Date: April 2018      End Date: November 2020       See JARPA Attachment D

**6g. Fair market value of the project, including materials, labor, machine rentals, etc. [help]**

\$24,000,000 total for both locations (\$12,000,000 each)

**6h. Will any portion of the project receive federal funding? [help]**

- If yes, list each agency providing funds.

Yes     No     Don't know



## Part 7–Wetlands: Impacts and Mitigation

- Check here if there are wetlands or wetland buffers on or adjacent to the project area.  
(If there are none, skip to Part 8.) [\[help\]](#)

<p><b>7a.</b> Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. <a href="#">[help]</a></p> <p><input type="checkbox"/> Not applicable</p>																				
<p><b>7b.</b> Will the project impact wetlands? <a href="#">[help]</a></p> <p><input type="checkbox"/> Yes   <input type="checkbox"/> No   <input type="checkbox"/> Don't know</p>																				
<p><b>7c.</b> Will the project impact wetland buffers? <a href="#">[help]</a></p> <p><input type="checkbox"/> Yes   <input type="checkbox"/> No   <input type="checkbox"/> Don't know</p>																				
<p><b>7d.</b> Has a wetland delineation report been prepared? <a href="#">[help]</a></p> <ul style="list-style-type: none"> <li><b>If Yes</b>, submit the report, including data sheets, with the JARPA package.</li> </ul> <p><input type="checkbox"/> Yes   <input type="checkbox"/> No</p>																				
<p><b>7e.</b> Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? <a href="#">[help]</a> <b>If Yes</b>, submit the wetland rating forms and figures with the JARPA package.</p> <p><input type="checkbox"/> Yes   <input type="checkbox"/> No   <input type="checkbox"/> Don't know</p>																				
<p><b>7f.</b> Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? <a href="#">[help]</a></p> <ul style="list-style-type: none"> <li><b>If Yes</b>, submit the plan with the JARPA package and answer 7g.</li> <li><b>If No, or Not applicable</b>, explain below why a mitigation plan should not be required.</li> </ul> <p><input type="checkbox"/> Yes   <input type="checkbox"/> No   <input type="checkbox"/> Don't know</p>																				
<p><b>7g.</b> Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. <a href="#">[help]</a></p>																				
<p><b>7h.</b> Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. <a href="#">[help]</a></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Activity (fill, drain, excavate, flood, etc.)</th> <th style="width: 15%;">Wetland Name<sup>1</sup></th> <th style="width: 15%;">Wetland type and rating category<sup>2</sup></th> <th style="width: 15%;">Impact area (sq. ft. or Acres)</th> <th style="width: 15%;">Duration of impact<sup>3</sup></th> <th style="width: 15%;">Proposed mitigation type<sup>4</sup></th> <th style="width: 15%;">Wetland mitigation area (sq. ft. or acres)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>							Activity (fill, drain, excavate, flood, etc.)	Wetland Name <sup>1</sup>	Wetland type and rating category <sup>2</sup>	Impact area (sq. ft. or Acres)	Duration of impact <sup>3</sup>	Proposed mitigation type <sup>4</sup>	Wetland mitigation area (sq. ft. or acres)							
Activity (fill, drain, excavate, flood, etc.)	Wetland Name <sup>1</sup>	Wetland type and rating category <sup>2</sup>	Impact area (sq. ft. or Acres)	Duration of impact <sup>3</sup>	Proposed mitigation type <sup>4</sup>	Wetland mitigation area (sq. ft. or acres)														
<p><sup>1</sup> If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.</p> <p><sup>2</sup> Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.</p> <p><sup>3</sup> Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.</p> <p><sup>4</sup> Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)</p>																				
<p>Page number(s) for similar information in the mitigation plan, if available: _____</p>																				
<p><b>7i.</b> For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. <a href="#">[help]</a></p>																				
<p><b>7j.</b> For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. <a href="#">[help]</a></p>																				



## Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, “waterbodies” refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [\[help\]](#)

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

**8a.** Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [\[help\]](#)

Not applicable

The following design measures and construction methods are incorporated into the project to avoid and minimize potential impacts to the aquatic environment:

- The temporary bridges will be located in the median between the two permanent bridges instead of locations up or downstream. The shoreline in the median is an area already disturbed and generally armored with riprap.
- The in-water work will be limited to the current fish window of August 1 through August 31 with a possible earlier/later start date (July 15-September 15) depending on agency approvals and conditions.
- The fill needed for the temporary bridge abutments, access ramps and crossover highway will not be placed in the wetted channel but will partially occur below the ordinary high water mark. Equipment will place the fill from the existing shoreline and access ramps. Untreated wood chips (hog fuel) will be placed as a barrier on the natural substrate, followed by earthen materials and rip rap for the ramps/abutments. All fill/rip rap will be removed but the wood chips will remain to promote organic materials and nutrients materials into the system. Timber mats may be placed on dry river bed to minimize disturbance.
- The maximum number of piling in-water at each location will be 40 with installation of each pile limited to a maximum 4,000 strikes/day with 12-hour rest periods each day.
- No isolation is proposed for this work, which will expedite in-water work activities.
- Water quality monitoring will be done during all in-water work activities.
- Hydro acoustic monitoring by qualified staff will be done during pile driving activities. A bubble curtain or other practicable underwater noise attenuation will be installed in areas with water depths greater than three feet where practicable.
- The temporary bridges and support structures will be designed to WSDOT standards to pass applicable flood flows or clearances maintained by the upstream permanent bridge and be located in alignment with upstream pilings in order to not impede flows.
- When night work occurs, lighting will be directed away from the river.
- Only clean fill materials and untreated wood will be used on the project.
- The temporary bridges and support structures are designed with wider spans across the river that will minimize the amount of temporary fill in the river channel for abutments.
- See also minimization measures listed in ESA documentation, Appendix D
- WSDOT will cut existing riparian woody vegetation to promote regrowth instead of grubbing.
- No work or equipment will occur below the wetted channel except for pile driving with equipment located above water and/or on adjacent land or structures.

**8b.** Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

Yes  No

**8c.** Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [\[help\]](#)

- If Yes, submit the plan with the JARPA package and answer 8d.
- If No, or Not applicable, explain below why a mitigation plan should not be required.

Yes  No  Don't know

A mitigation plan is not required. WSDOT has prepared a restoration plan for the riparian areas temporarily affected. WSDOT will cut the existing riparian vegetation consisting of approximately 20 small cottonwoods in both locations (and not remove or grub) in order to promote regrowth after the temporary crossover and bridge are removed. In addition, WSDOT will plant willows and cottonwoods on 20-foot centers in the disturbed areas (total for both locations is 0.47 acres; Cle Elum is 0.032 and Ellensburg is 0.44 acres). All disturbed areas (shoreline and median) will be reseeded with a native plant mix. See Vegetation Restoration Plan (Appendix F)



**8d.** Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [\[help\]](#)

N/A

**8e.** Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name <sup>1</sup>	Impact location <sup>2</sup>	Duration of impact <sup>3</sup>	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
<b>Cle Elum area temporary bridges:</b>					
Wood chip fill as barrier layer for temporary fill	Yakima River	Below OWHM But not wetted channel	Beneficial material	50 CY to remain as beneficial material	1500 s.f. below OWHM
Fill for temporary bridge abutments and temporary ramps	Yakima River	Above/below OWHM but not wetted channel; 100 year floodplain	36 months	300 CY with 50 CY below OWHM	1500 s.f. below OWHM
Pile drive a maximum 40 steel piles, each 12-30 inch in size)	Yakima River	In river below OWHM	36 months	n/a to be removed	200 s.f. below OWHM
Riparian vegetation cutting (sparse trees)	Yakima River	Adjacent; 100 year floodplain	36 months	n/a	1400 s.f.

**Ellensburg area temporary bridges:**

Wood chip fill as barrier layer for temporary fill	Yakima River	Below OWHM but not wetted channel	Beneficial material	50 CY to remain as beneficial material	1500 s.f. below OWHM
Fill for temporary bridge abutments and temporary ramps	Yakima River	Above/below OWHM but not wetted channel; 100 year floodplain	36 months	300 CY with 50 CY below OWHM	1500 s.f. below OWHM
Pile drive a maximum 40 steel piles, each 12-30 inch in size)	Yakima River	In river below OWHM	36 months	n/a to be removed	200 s.f. below OWHM
Riparian vegetation cutting (sparse trees)	Yakima River	Adjacent; 100 year floodplain	36 months	n/a	19,000 s.f.

<sup>1</sup> If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.

<sup>2</sup> Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

<sup>3</sup> Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

**8f.** For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [\[help\]](#)

Materials for temporary fill, bridge abutments and riprap and roadway construction will be from local approved sources. The material for the bridge abutments will be located outside the wetted channel and partially below the ordinary high water mark elevation. Pilings for the temporary bridge will be steel, 12-30 inch in diameter with many bundled in grouped locations in alignment with the existing permanent bridge piers located upstream.

**8g.** For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [\[help\]](#)

N/A

## Part 9-Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

<b>9a.</b> If you have already worked with any government agencies on this project, list them below. <a href="#">[help]</a>			
Agency Name	Contact Name	Phone	Most Recent Date of Contact
US Army Corps of Engineers	Sandi Manning	206-764-6911	May 2017
Ecology	Penny Kelley	360-407-7298	May 2017
WA Dept. of Fish and Wildlife	Scott Downes	509-457-9307	May 2017
WA Dept. of Natural Resources	Renelle Smith	360-740-6807	May 2017
USFWS/NMFS	DeeAnn Jones, Leslie Durham		April 2017
<b>9b.</b> Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• If Yes, list the parameter(s) below.</li> <li>• If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: <a href="http://www.ecy.wa.gov/programs/wq/303d/">http://www.ecy.wa.gov/programs/wq/303d/</a>.</li> </ul>			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>9c.</b> What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• Go to <a href="http://cfpub.epa.gov/surf/locate/index.cfm">http://cfpub.epa.gov/surf/locate/index.cfm</a> to help identify the HUC.</li> </ul>			
170300010307-Crystal Creek-Yakima River; 170300010507-Robinson Creek-Yakima River			
<b>9d.</b> What Water Resource Inventory Area Number (WRIA #) is the project in? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• Go to <a href="http://www.ecy.wa.gov/water/wria/index.html">http://www.ecy.wa.gov/water/wria/index.html</a> to find the WRIA #.</li> </ul>			
39-Upper Yakima			
<b>9e.</b> Will the in-water construction work comply with the State of Washington water quality standards for turbidity? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• Go to <a href="http://www.ecy.wa.gov/programs/wq/swqs/criteria.html">http://www.ecy.wa.gov/programs/wq/swqs/criteria.html</a> for the standards.</li> </ul>			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable			
<b>9f.</b> If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• If you don't know, contact the local planning department.</li> <li>• For more information, go to: <a href="http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html">http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html</a>.</li> </ul>			
<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Aquatic <input checked="" type="checkbox"/> Conservancy <input type="checkbox"/> Other:			
<b>9g.</b> What is the Washington Department of Natural Resources Water Type? <a href="#">[help]</a>			
<ul style="list-style-type: none"> <li>• Go to <a href="http://www.dnr.wa.gov/forest-practices-water-typing">http://www.dnr.wa.gov/forest-practices-water-typing</a> for the Forest Practices Water Typing System.</li> </ul>			
<input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Fish <input type="checkbox"/> Non-Fish Perennial <input type="checkbox"/> Non-Fish Seasonal			



9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [\[help\]](#)

- If No, provide the name of the manual your project is designed to meet.

Yes  No

Name of manual: WSDOT Highway Runoff Manual, M31-16.04

9i. Does the project site have known contaminated sediment? [\[help\]](#)

- If Yes, please describe below.

Yes  No

9j. If you know what the property was used for in the past, describe below. [\[help\]](#)

The project area has been used as an interstate highway bridge since the 1960s.

9k. Has a cultural resource (archaeological) survey been performed on the project area? [\[help\]](#)

- If Yes, attach it to your JARPA package.

Yes  No

9l. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

The following determinations have been made with concurrence by the National Marine Fisheries Service and US Fish and Wildlife Service received in April 2017:

**Cle Elum Bridge:**

Adversely Affect/ May affect, likely to adversely affect: Bull Trout, Bull Trout Critical Habitat, Mid Columbia River Steelhead and Mid Columbia River Steelhead Critical Habitat; Essential Fish Habitat

Not Likely to Adversely Affect: Gray Wolf

No Effect: Marbled Murrelet, Northern Spotted Owl, Canada Lynx, and Western Yellow-billed Cuckoo

**West of Ellensburg Bridge:**

Adversely Affect/ May affect, likely to adversely affect: Bull Trout, Bull Trout Critical Habitat, Mid Columbia River Steelhead and Mid Columbia River Steelhead Critical Habitat; Essential Fish Habitat

No Effect: Marbled Murrelet, Gray Wolf, Canada Lynx, and Western Yellow-billed Cuckoo

9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [\[help\]](#)

In addition to those species listed in 9l above, the following were identified on the PHS database: Bald Eagle, Coho, Spring Chinook, Summer Steelhead and Rainbow Trout.

## Part 10–SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.oria.wa.gov/opas/>.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or [help@oria.wa.gov](mailto:help@oria.wa.gov).
- For a list of addresses to send your JARPA to, click on [agency addresses for completed JARPA](#).

### 10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [\[help\]](#)

- For more information about SEPA, go to [www.ecy.wa.gov/programs/sea/sepa/e-review.html](http://www.ecy.wa.gov/programs/sea/sepa/e-review.html).

A copy of the SEPA determination or letter of exemption is included with this application.

A SEPA determination is pending with \_\_\_\_\_ (lead agency). The expected decision date is \_\_\_\_\_.

I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [\[help\]](#)

This project is exempt (choose type of exemption below).

Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?

Other: \_\_\_\_\_

SEPA is pre-empted by federal law.

### 10b. Indicate the permits you are applying for. (Check all that apply.) [\[help\]](#)

#### LOCAL GOVERNMENT

##### Local Government Shoreline permits:

Substantial Development     Conditional Use     Variance

Shoreline Exemption Type (explain): \_\_\_\_\_

##### Other City/County permits:

Floodplain Development Permit     Critical Areas Ordinance

#### STATE GOVERNMENT

##### Washington Department of Fish and Wildlife:

Hydraulic Project Approval (HPA)     Fish Habitat Enhancement Exemption – [Attach Exemption Form](#)

You must submit a check for \$150 to Washington Department of Fish and Wildlife, unless your project qualifies for an exemption or alternative payment method below. **Do not send cash.**

Check the appropriate boxes

\$150 check enclosed. Check # **(APPS ONLINE)**

Attach check made payable to Washington Department of Fish and Wildlife.

My project is exempt from the application fee. (Check appropriate exemption):

All parts of project (except compensatory mitigation) occur landward of Ordinary High Water Line (OWHL).

HPA processing is conducted by applicant funded WDFW staff.

Agreement # \_\_\_\_\_

Mineral prospecting and mining

Project occurs on farm and agricultural land.

(Attach a copy of current land use classification recorded with the county auditor, or other proof of current land use)





**Interstate 90 / Yakima River East of Cle Elum  
Interstate 90 / Yakima River West of Ellensburg  
Bridge Deck Repairs and Temporary Bridges**

**XL-4617 / XL-5168**

**JARPA FORM**



## Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

### 11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. WS (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. WS (initial)

William Sauriol

Applicant Printed Name

William Sauriol

Applicant Signature

7/10/17

Date

### 11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

William Sauriol

Authorized Agent Printed Name

Authorized Agent Signature

Date

### 11c. Property Owner Signature (if not applicant) [\[help\]](#)

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

N/A

Property Owner Printed Name

Property Owner Signature

Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-011 rev. 03/2017

