

# WASHINGTON STATE

## Standard Hydraulic Project



AGENCY USE ONLY
Date Received: 2022-01-24
Application ID :26745
Online Submission
Application technically complete and accepted for further processing

01. Application Information	<p><b>* Application Type:</b> Standard</p> <p><b>* Are you applying for a long-term HPA for agricultural irrigation or stock watering purposes under RCW 77.55.021 (9)(c)?</b> No</p>
02. Project Identification	<p><b>* Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development)</b> North Thorp Highway – Yakima River Bridge</p> <p><b>* NonSimplified Project Type(s) (check all that apply):</b> Overwater Structure</p> <p><b>* Simplified Project Type(s) (check all that apply):</b> Road Maintenance Work</p>
03. Applicant	<p><b>* Business Name (if applicable)</b> Kittitas County Public Works</p> <p><b>* First Name</b> Joshua</p> <p><b>* Last Name</b> Frederickson</p> <p><b>* Address 1</b> 411 N Ruby Street</p> <p><b>* Address 2</b> Suite 1</p> <p><b>* City</b> Ellensburg</p> <p><b>* State/Province</b> WA</p> <p><b>* Zip Code (12345 or 12345-1234)</b> 98926</p> <p><b>* Country</b> United States</p> <p><b>* Primary Phone No (555-555-5555 Ext.)</b> 509-962-7609</p>

04. Applicant Account Type

**\* Please select one applicant account type**

Government – County

05. Authorized Agent or Contact

**\* Business Name (if applicable)**

Environmental Science Associates

**\* First Name**

Nicole

**\* Last Name**

Lobodzinski

**\* Address 1**

5309 Shilshole Avenue NW

**\* Address 2**

Suite 200

**\* City**

Seattle

**\* State/Province**

WA

**\* Zip Code (12345 or 12345-1234)**

98107

**\* Country**

United States

**\* Primary Phone No (555-555-5555 Ext.)**

206-204-6979

**\* Email**

nlobodzinski@esassoc.com

06. Property Owner(s)

**\* Check here if Project is on Public Property**

Yes

**\* Agency Name:**

Kittitas County Public Works

**\* First Name**

Joshua

**\* Last Name**

Frederickson

**\* Address 1**

411 N Ruby Street

**\* Address 2**

Suite 1

**\* City**

Ellensburg

**\* State/Province**

WA

**\* Zip Code (12345 or 12345-1234)**

98926

**\* Country**

United States

**\* Primary Phone No (555-555-5555 Ext.)**

509-962-7609

**\* Mobile Phone No (555-555-5555)**

5099627609

07. Project Location

**\* Location**

Site Name: North Thorpe Bridge

Work Start Date: April 1, 2022 Work End Date: October 1, 2022

Address: , Thorp, Kittitas, WA 98946, United States

Latitude: 47.096764 Longitude: -120.705649

Township: 19 N Range: 17 E Section: 34 Quarter Section:

WRIA: 39 Stream Number: 0002 Stream Name: Yakima River

Parcel No: 100 Year Flood:

Drive Direction:

08. Project Description

**\* Will you be operating equipment in water?**

No

**\* Type of equipment used**

- Cranes
- pickup and flatbed trucks
- abrasive blasting equipment
- painting equipment
- excavator
- Boom Lift
- Scissor lift

**\* Summarize the overall project.**

Kittitas County proposes to conduct maintenance activities on the North Thorp Highway Yakima River Bridge. The North Thorp Highway Bridge spanning the Yakima River at approximately river mile (RM) 50 is in need of preventive maintenance to extend the life of the fracture critical structure. Kittitas County proposes to conduct the following maintenance activities on the bridge as part of the project:

- Removing and replacing the paint on the bridge.
- Repairing multiple bottom chord panel points where pack rust has accumulated.
- Repairing the failing asphalt plug joints at the ends of the truss.
- Repairing the failing poured rubber joints at the floorbeams.
- Repairing the truss portal members (which have been damaged by traffic impacts) using heat straightening methods or by replacing members.
- Repairing the concrete spalls at the piers.

- Removing and replacing small amount of pavement.

The existing paint system has failed throughout much of the truss's bottom chord, floorbeams, stringers, and bearings. There is pack rust at multiple bottom chord panel points, which will also be repaired during the painting portion of the project. The asphalt plug joints at the ends of the truss and the poured rubber joints at the floorbeams have failed, which is contributing to the paint failure. The joint repairs include strip seals at the ends of the truss and silicon sealant at the floorbeams. The truss portal members have been damaged by traffic impacts, damage which will be repaired by heat straightening or replacing members. The concrete spalls at the piers will be repaired.

**\* Describe how you plan to construct each project element. Include specific construction methods and equipment to be used. Identify where each element will occur in relation to the nearest waterbody. Indicate which activities are within the 100-year flood plain.**

The project does not involve in-water work in the wetted perimeter of the river. The majority of the maintenance activities, including bridge painting, are confined to the bridge deck and superstructure. All of this work will be conducted after the installation of a containment system, which will prevent any construction debris or painting overspray from entering the Yakima River. The repair of the bridge columns will also occur above the wetted perimeter, during summer low flows, and will be conducted from a construction platform installed from the shoreline and not encroaching into the wetted portions of the river. A containment system will be installed around and below the work area to eliminate construction debris entering the Yakima River. The project will not alter any in-water or riparian habitat, will not add additional impervious surface, and will have no floodplain impacts.

**\* Requested Project Start Date:**

04/01/2022

**\* Requested Project End Date:**

12/31/2022

**\* Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment.**

Kittitas County requires project applicants to demonstrate that all reasonable efforts have been made to avoid and minimize impacts on critical areas and buffers. When an alteration to a critical area or buffer is proposed, the applicant must follow the mitigation sequencing process to first avoid and minimize impacts before proposing compensatory mitigation (SMP Section 5.2.B.2). The Project will be designed to make all reasonable efforts to avoid and minimize impacts on shorelands, wetlands, fish and wildlife habitat conservation areas, and buffers in the following sequential order of preference:

1. Avoiding the impact altogether by not taking a certain action or parts of an action.
2. Minimizing impacts by limiting the degree or magnitude of the action and its implementation by adhering to the dimensional requirements, performance standards, and design criteria in this Program and using other technologies or steps, as needed, to avoid or reduce impacts.
3. Rectifying the impact by repairing, rehabilitating, or restoring the affected environment.
4. Reducing or eliminating the impact over time by preservation and maintenance operations.
5. Compensating for the impact by replacing, enhancing, or providing substitute resources or environments.
6. Monitoring the impact and the compensation projects and taking appropriate corrective measures.

**\* Will your project impact a waterbody or the area around a waterbody?**

No

**\* Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies?**

NA

**\* Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies?**

Although the Project is located within the Yakima River (a FWHCA) and the 100-year floodplain, the proposed work will not add impervious surfaces or raise flood levels. No direct impacts on the Yakima River

09. Waterbodies (other than wetlands): Impacts and Mitigation

or the fish that inhabit it will occur. No earthwork, disturbance, or clearing and grading will occur outside the existing bridge footprint. No in-water work is proposed, and all work conducted on the bridge piers will be isolated from the Yakima River and the buffer. Containment best management practices (BMPs) will be implemented so all materials and/or chemicals used for the rehabilitation will remain within the work zone. Equipment and staging of materials will occur above the OHWM on the existing bridge structure or roadway on each end of the bridge, away from the water.

Likewise, the repairs associated with the bridge columns and trusses will also occur above the wetted perimeter of the Yakima River (a designated FWHCA) during summer low flows, and will be conducted from a construction platform installed from the shoreline and not encroaching into the wetted portions of the river. A containment system will be installed around and below the work area to eliminate construction debris from entering the Yakima River. The Project will not alter any in-water or riparian habitat, will not add additional impervious surfaces, and will have no floodplain impacts. The study area is also designated critical habitat for both bull trout and steelhead. Based on the assessment above, the Project will have no effect on bull trout or steelhead, or designated critical habitat for these two species.

No permanent stream or stream buffer impacts are expected as a result of this Project. All direct and indirect impacts will be avoided. Minimal temporary impacts are expected, such as increased noise and dust during phases of the rehabilitation process. Steps will be implemented to reduce and minimize the effects, and the Project timing and duration of work will be adjusted to avoid temporary impacts that have the potential to impact aquatic or terrestrial species in the vicinity of the proposed work. The Project is not expected to result in direct impacts on FWHCAs, wetlands, and their buffers. Additionally, no wetlands, steep slopes, or other features considered critical areas under Kittitas County Code are present within the study area. Therefore, no mitigation is proposed at this time.

Activities at the site will not change, and Kittitas County does not intend to expand the footprint of the bridge further into the shoreland area, so no impacts on regulated shorelines will occur from the Project. Construction activities will last five to six months in 2022.

**\* Describe the source and nature of any fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody.**

N/A

**\* For all excavating or dredging activities, describe the method for excavating or dredging type and amount of material you will remove, and where the material will be disposed.**

N/A

**\* Compliance with the State Environmental Policy Act (SEPA).**

**For more information about SEPA, go to "<http://www.ecy.wa.gov/programs/sea/sepa/e-review.html>"**

This project is exempt. I will upload, mail, or deliver a draft of the SEPA Letter of Exemption as part of this application.

**\* Choose Type Of Exemption.**

Categorical Exemption

**\* Under what section of the SEPA administrative code (WAC) is it exempt?**

197-11-800 (3)

10. SEPA Compliance