SEPA[1] Environmental Checklist

Purpose of checklist

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization, or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. **You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown.** You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to **all parts of your proposal**, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for lead agencies

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B, plus the Supplemental Sheet for Nonproject Actions (Part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in "Part B: Environmental Elements" that do not contribute meaningfully to the analysis of the proposal.

[1] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/Checklist-guidance

A.Background

Find help answering background questions[2]

1. **Name of proposed project, if applicable:**

   Pateros railroad bridge PIT-tag-detection system Installation

2. **Name of applicant:**

   Public Utility District No. 1 of Douglas County

3. **Address and phone number of applicant and contact person:**

   1151 Valley Mall Parkway
   East Wenatchee, WA 98802
   Tom Kahler
   509-881-2322

4. **Date checklist prepared:**

   April 17, 2025

5. **Agency requesting checklist:**

   Public Utility District No. 1 of Douglas County

6. **Proposed timing of schedule (including phasing, if applicable):**

   September 2025

7. **Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

   Routine maintenance of electronic equipment

8. **List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.**

   None

9. **Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.**

   None

10. **List any government approvals or permits that will be needed for your proposal, if known.**

    Shoreline Exemption from the City of Pateros (obtained)

    Hydraulic Project Approval from the Washington Department of Fish and Wildlife

    Nation Wide Permit #6 from the US Army Corps of Engineers

11. **Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on**

[2] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background

this page. (Lead agencies may modify this form to include additional specific information on project description.)

The applicant's contractors will install a passive integrated transponder (PIT)-tag-detection system on the railroad bridge over the Methow River for the purpose of detecting passing fish that have had PIT tags implanted into them by researchers. The system will comprise fiberglass-reinforced plastic (FRP) and stainless-steel-frame enclosures set into recesses on both sides of each of three concrete piers supporting the bridge. PIT-tag-detection antennas will be installed within those enclosures so that a detection field will extend into the adjacent water on both sides of each pier. Electronic equipment to power the antennas and "read" the data from detected PIT tags will be housed in small, steel job-boxes to be installed on top of each pier. An electronic master controller for the electronic equipment on the bridge piers will be installed in a small steel enclosure on the north concrete abutment of the bridge, and low-voltage power to and data-transmission to and from that master controller will be connected to that equipment via cables run through conduit that will be clamped to the underside of the bridge. Power for that equipment will originate from an existing power source located on the north riverbank near the north abutment of the bridge. See site map, photos, and figures below at the end of this checklist.

12. **Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

    The PIT-tag-detection system will be installed on the railroad bridge that spans the Methow River located at Pateros, WA, Lat/Long: 48.050552/-119.902657 (see site map)

B.Environmental Elements

1. Earth

Find help answering earth questions[3]

a. General description of the site:

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

The site is a railroad bridge across the Methow River at the confluence of the Methow and Columbia rivers. Nearly all proposed work will occur on the bridge, within or over the water, with the exception of the installation of the master controller, which will be attached to the concrete bridge abutment on the north riverbank and connected to an existing power line under at the toe of the bridge abutment. The north riverbank at the location of the proposed activity is armored with riprap at an approximately 50% slope, and topped with a paved walking trail that goes under the bridge between the

[3] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth

abutment and the riprapped slope to the river. Above the paved trail, the lawn-covered ground on the east side of the abutment slopes gently (5%) to a parking lot about 100 feet away. An earthen embankment extends from the toe of the abutment to the railroad grade atop the abutment at a slope of approximately 25%, and is unvegetated.

b. What is the steepest slope on the site (approximate percent slope)?

The rip-rapped river bank is approximately a 50% slope

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them, and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

According to the US Natural Resource Conservation Service Soil Survey of Okanogan County Area, Washington (2010) the soil on site is classified as 455 – Pogue fine sandy loam, 0 to 3 percent slope

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

No filling or grading proposed

f. Could erosion occur because of clearing, construction, or use? If so, generally describe.

No

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

No change

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any.

No measures necessary to reduce or control erosion

2. Air

Find help answering air questions[4]

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

[4] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air

Short-term emissions from boats and a forklift used during project installation and periodic maintenance. The installed equipment produces no emissions.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

None proposed

3. Water

Find help answering water questions[5]

a. Surface:

Find help answering surface water questions[6]

1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The site is in the Methow River, tributary to the Columbia River at their confluence.

2. Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes, the majority of the equipment installed by the proposed project will be installed on the bridge piers below the OHWL of the Methow River, or attached to the bridge superstructure over the water surface. The remaining shore-based equipment will be installed within 25 lineal feet from the OHWL. Note that the "OHWL" in this location is a maximum reservoir elevation under normal operating conditions for Wells Dam, approximately 7 miles downstream.

3. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

No fill or dredged material will be placed in or removed from the river

4. Will the proposal require surface water withdrawals or diversions? Give a general description, purpose, and approximate quantities if known.

The proposed project will not require any withdrawal or diversion of surface water

[5] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water
[6] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water

5. **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

   The floodplain is not mapped in this location, but the shore-based components of the project will be installed on the north bridge abutment approximately 10 feet above the OHWL.

6. **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

   None

b. Ground:
Find help answering ground water questions[7]

1. **Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give a general description, purpose, and approximate quantities if known.**

   No withdrawals from or discharges to groundwater

2. **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (domestic sewage; industrial, containing the following chemicals…; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

   The installation will not generate or discharge any waste material to the ground

c. Water Runoff (including stormwater):

1. **Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

   The project will not generate or discharge any runoff, or alter or affect any sources of water runoff or any runoff pathways or patterns

2. **Could waste materials enter ground or surface waters? If so, generally describe.**

   No

3. **Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.**

   No

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

[7] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater

None proposed

4. Plants

Find help answering plants questions

a. Check the types of vegetation found on the site:

☐ **deciduous tree: alder, maple, aspen, other**

☐ **evergreen tree: fir, cedar, pine, other**

☐ **shrubs**

☒ **grass**

☐ **pasture**

☐ **crop or grain**

☐ **orchards, vineyards, or other permanent crops.**

☐ **wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other**

☒ **water plants: water lily, eelgrass, milfoil, other**

☒ **other types of vegetation**

b. What kind and amount of vegetation will be removed or altered?

None

c. List threatened and endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any.

None. No aquatic or terrestrial vegetation will be disturbed

e. List all noxious weeds and invasive species known to be on or near the site.

Great mullein, spotted knapweed, diffuse knapweed; Eurasian milfoil

5. Animals

Find help answering animal questions[8]

a. List any birds and other animals that have been observed on or near the site or are known to be on or near the site.

Examples include:

- **Birds: hawk, heron, eagle, songbirds, other:**
- **Mammals: deer, bear, elk, beaver, other:**

[8] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals

- **Fish: bass, salmon, trout, herring, shellfish, other:**

b. List any threatened and endangered species known to be on or near the site.

UCR Spring Chinook Salmon (Endangered), Bull Trout and UCR Steelhead (Threatened)

c. Is the site part of a migration route? If so, explain.

The confluence of the Methow and Columbia rivers is part of the migration route for all of the species listed above in 4(b).

d. Proposed measures to preserve or enhance wildlife, if any.

The equipment proposed for installation is intended to monitor the movement of those species listed in 4(b), and the installation will not harm or interfere with the behavior of those species.

Installation of the underwater detection equipment will be conducted by divers working from a dive boat or barge, and equipment will be loaded onto the boat/barge by shore-based long-reach forklift. Construction staging will occur at the public boat launch/paved parking-lot approximately 400 feet upstream in a small cove on the left bank of the Methow River within the City of Pateros. Installation of the shore-based equipment will occur on a concrete bridge abutment adjacent to a paved walking trail above the OHWL of the river. No disturbance of wildlife or wildlife habitat will result from the construction actions.

Because the boat and shore-based vehicles will be powered by petroleum-based fuels and use lubricants and hydraulic fluid, Best Management Practices (BMPs) will be employed to reduce the potential for construction-related impacts from spills of these products on species and habitats. The following BMPs will be followed for this project.

• A Spill, Prevention, Control, and Countermeasure (SPCC) plan will be developed by the contractor prior to the commencement of any construction activities and will be used for the duration of the project.

• A copy of the SPCC plan with any updates will be maintained at the work site by the Contractor and will provide advanced planning for potential spill sources and hazardous materials (gasoline, oils, chemicals, etc.) and will outline roles and responsibilities, notifications, inspection, and response protocols.

• Care will be taken to prevent any petroleum products, chemicals, or other toxic or deleterious materials from entering the water. If a spill were to occur, work would be stopped immediately, steps would be taken to contain the material, and appropriate agency notifications would be made. Fuel hoses, oil drums, or fuel transfer valves and fittings, etc., shall be checked regularly for drips or leaks, and shall be maintained and stored properly to prevent spills.

• Excess or waste materials will not be disposed of waterward of the OHWL, or allowed to enter waters of the state.

• The contractor shall have a spill containment kit, including oil absorbent materials, on site to be used in the event of a spill or if any oil product is observed in the water.

• The contractor will be required to capture any debris associated with project construction and not allow it to enter the Columbia River

e. List any invasive animal species known to be on or near the site.

None

6. Energy and natural resources

Find help answering energy and natural resource questions[9]

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

The proposed system will be powered by electrical infrastructure already on site, requiring a single 20-amp circuit. The antennas that activate the PIT tags and the receivers that "read" the PIT-tag codes run on low-voltage DC power.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.

The proposed system is energy efficient and no additional conservation features or measures are proposed.

7. Environmental health

Health Find help with answering environmental health questions[10]

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur because of this proposal? If so, describe.

None known

1. Describe any known or possible contamination at the site from present or past uses.

Facility Site ID 25962988 (CSID 14977) is within 300 feet of the proposed activity, but the spatial extent of the proposed activity will not encompass that known site, nor will the proposed activity include excavation.

2. Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

[9] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou
[10] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-7-Environmental-health

No pipelines or hazardous chemicals/conditions at the proposed work site.

3. **Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.**

   None known.

4. **Describe special emergency services that might be required.**

   None required.

5. **Proposed measures to reduce or control environmental health hazards, if any.**

   Environmental health hazards are not expected through the development of this project. Only approved construction materials will be used in construction of this project.

b. Noise

1. **What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?**

   None of the noise from existing sources surrounding the project would affect the project.

2. **What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site)?**

   Typical construction equipment operation (forklift, boat, and truck noise) will occur at the site. This noise will only occur during construction activities and will be limited to daylight hours and will be similar to the ambient noise at the site from recreational boaters, highway and street traffic, and train traffic. Long-term use will be the same as the existing level of noise, because the installed equipment will not generate noise.

3. **Proposed measures to reduce or control noise impacts, if any:**

   None proposed

8. Land and shoreline use

Find help answering land and shoreline use questions[11]

a. **What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.**

   The property adjacent to the boat launch to be used for staging is residential, with associated residential structures and development, and public park. Properties adjacent to the bridge include railroad and highway rights of way, public park (lawn, paved walking trail), restaurant/mini-mart/gas station. The current use of the adjacent

[11] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use

property waterward of the property boundary is steeply sloping public riverbank lands associated with the Wells Hydroelectric Project.

The proposed project may temporarily inconvenience users (e.g., while equipment is being loaded onto the dive boat/barge) of the public boat launch used for construction staging during the estimate two-week installation, but will not prevent use. Alternate public boat launches nearby will not be affected.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses because of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

No

1. **Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how?**

   No

c. Describe any structures on the site.

The only structures at the boat-launch staging area are a public restroom and boat-handling dock. The only structure at the work site is the railroad bridge to which the PIT-tag-detection equipment will be attached.

d. Will any structures be demolished? If so, what?

No

e. What is the current zoning classification of the site?

Public Use

f. What is the current comprehensive plan designation of the site?

Public Use

g. If applicable, what is the current shoreline master program designation of the site?

Shoreline Recreation

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

No, but the majority of the proposed installation would occur within the Methow River

i. Approximately how many people would reside or work in the completed project?

None

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any.

None necessary—no displacement impacts

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any.

The proposed installation will not affect land uses and plans

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

None necessary—no impacts to agricultural and forest lands of long-term commercial significance

9. Housing

Find help answering housing questions[12]

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None

c. Proposed measures to reduce or control housing impacts, if any:

None necessary—no impacts to housing

10. Aesthetics

Find help answering aesthetics questions[13]

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

All of the proposed equipment will be installed below the deck of the existing railroad bridge, and most of the equipment will be under the water.

b. What views in the immediate vicinity would be altered or obstructed?

None

c. Proposed measures to reduce or control aesthetic impacts, if any:

None

[12] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing
[13] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics

11. Light and glare

Find help answering light and glare questions[14]

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

No light or glare will result from the proposed installation

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No light or glare will result from the proposed installation

c. What existing off-site sources of light or glare may affect your proposal?

None

d. Proposed measures to reduce or control light and glare impacts, if any:

None necessary

12. Recreation

Find help answering recreation questions

a. What designated and informal recreational opportunities are in the immediate vicinity?

Boating, fishing, swimming, trail use (walking, running, biking)

b. Would the proposed project displace any existing recreational uses? If so, describe.

The installed equipment will not displace any existing recreational uses. The installation process may cause occasional short-term inconvenience (e.g., while loading equipment onto the dive boat) to users of the Methow River boat launch that will be used for construction staging, but would not prevent use of the boat launch during the two weeks anticipated to complete the installation. Additionally, a nearby boat launch will be available during the installation activities.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

The proposed installation work will occur following the summer recreation season and summer Chinook fishery to minimize inconvenience to users of the boat launch. Contractors will minimize the footprint of the boat-launch parking lot used for staging, and coordinate with individual boaters to avoid excessive delays to launching/retrieving boats.

[14] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare

13. Historic and cultural preservation

Find help answering historic and cultural preservation questions[15]

a. **Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.**

   No. The site is within the Lake Pateros Archaeological District; no contributing sites are known to be within project boundaries. No new ground disturbance is proposed as part of this project.

b. **Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.**

   None known on or adjacent to the site.

c. **Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.**

   There is no potential to disturb cultural and historic resources as the project will not create any ground disturbance. Per the Wells Project Historic Properties Management Plan, consultation is not required for projects where no ground disturbing activities are proposed or for replacement of facilities in places that have been previously disturbed.

d. **Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.**

   Contractors and workers will be informed to immediately stop work if artifacts of historical or cultural importance are found. If any are found, work will immediately stop and the land owner (PUD) will be notified along with the Washington State Historic Preservation Office.

14. Transportation

Find help with answering transportation questions[16]

a. **Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.**

   US Highway 97 crosses the Methow River into the City of Pateros between the railroad bridge where the proposed PIT-tag-detection system will be installed, and the boat launch where construction staging will occur, and continues north through Pateros. The railroad bridge will be accessed by boat for the majority of the installation process, but

[15] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p
[16] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation

access for the installation of shore-based equipment on the north abutment of the bridge will be via US Highway 97 and eastbound Lakeshore Drive in Pateros. Access to the boat launch where construction staging and workboat launching will occur will be via US Highway 97, westbound Lakeshore Drive, and southbound Warren Avenue in Pateros.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

Okanogan Transit (TranGo) serves the City of Pateros with routes between Pateros and Okanogan, and Pateros and Twisp, with a stop within 1,000 feet and 300 feet of the railroad bridge, respectively. Northwestern Stage Lines (Appleline) also serves Pateros with routes between Wenatchee and Okanogan stopping in Pateros with a bus stop within 1,000 feet of the railroad bridge.

c. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle, or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No

d. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No

e. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

None

f. Will the proposal interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No

g. Proposed measures to reduce or control transportation impacts, if any:

No impacts to reduce or control.

15. Public services

Find help answering public service questions[17]

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

[17] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services

No

b. Proposed measures to reduce or control direct impacts on public services, if any.

No measures necessary

16. Utilities

Find help answering utilities questions[18]

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other:

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Okanogan County PUD provides electrical service to the site, and the proposed project will use a maximum of 20 amps of electricity from an existing metered service panel at an existing pedestal and an existing transformer. No new service will be required.

C.Signature

Find help about who should sign[19]

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Recoverable Signature

X

Signed by: 03378490-05ed-4604-b8c0-a30a3eae2770

Type name of signee: Tom Kahler

Position and agency/organization: Senior Fisheries Scientist, PUD No. 1 of Douglas County

Date submitted: 4/22/2025

[18] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities

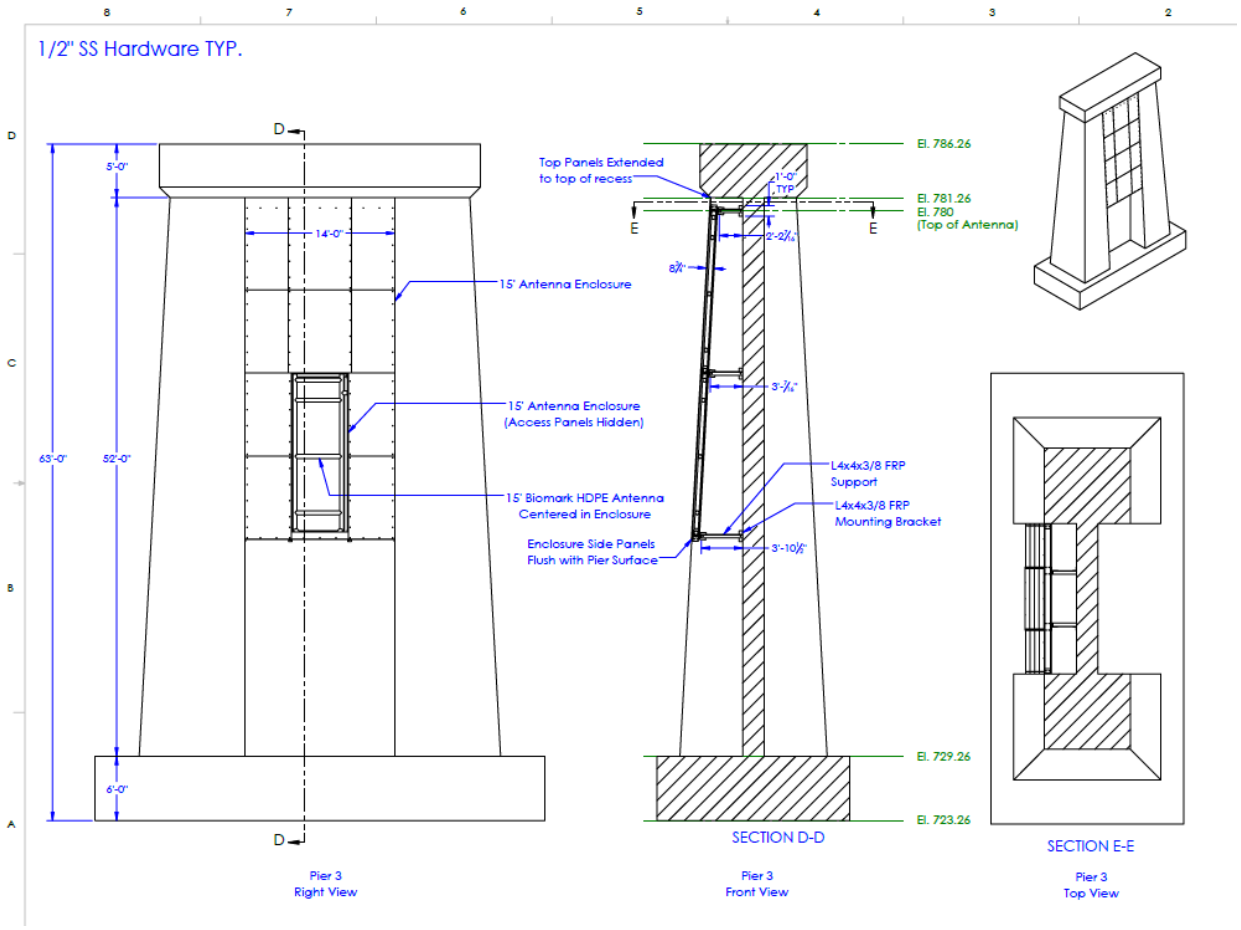
[19] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature

Site Map showing the railroad bridge upon which the proposed PIT-tag-detection equipment would be installed, and the boat launch where construction staging and work-boat launching would occur. Top is north.

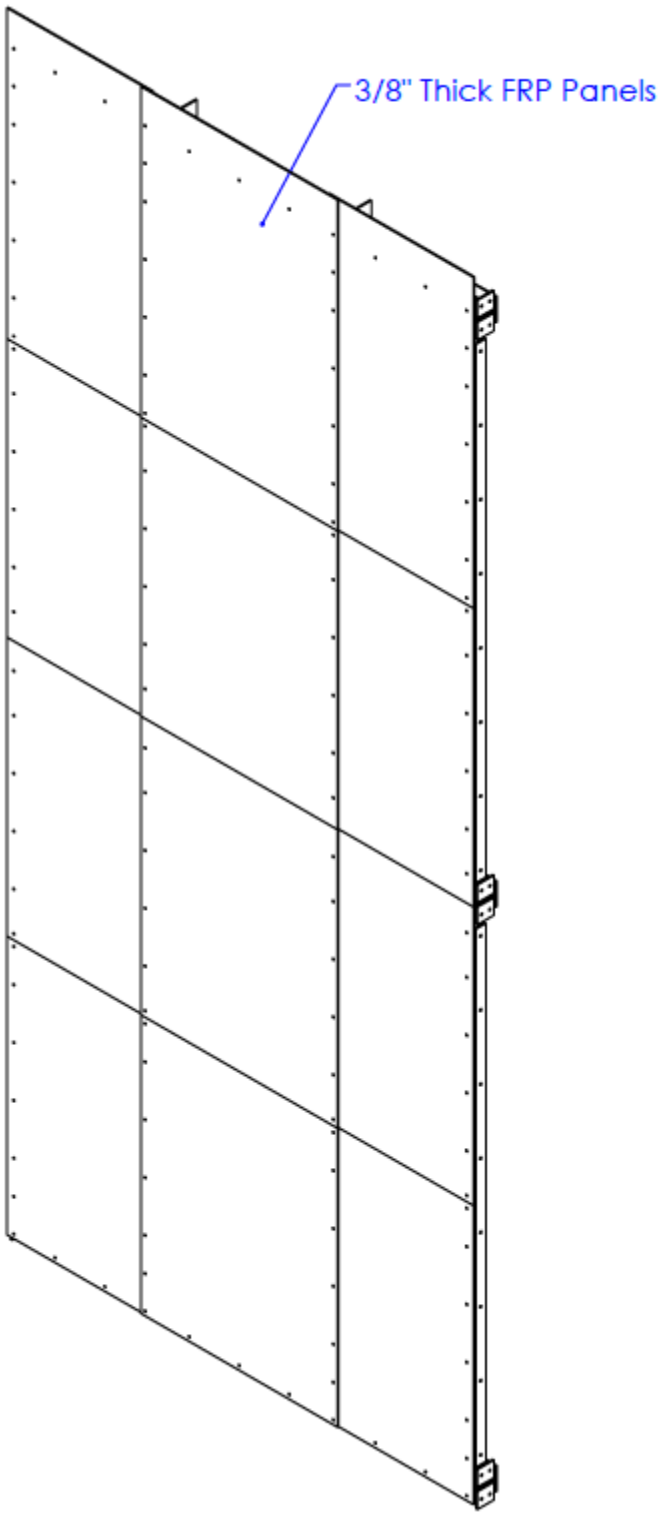
Railroad bridge upon which PIT-tag-detection equipment would be installed on each pier.

Location of proposed enclosure to house electronic equipment, one on each pier.

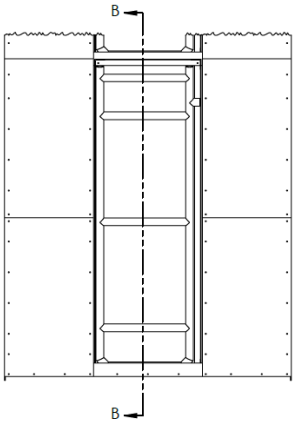
Proposed location (between light pedestals) of the small wall-mounted enclosure to house shore-based electronic equipment on the north abutment of the railroad bridge.



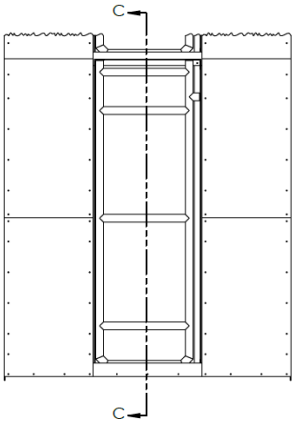
Schematics of the underwater components of the proposed PIT-tag-detection equipment to be installed on each side of each pier of the railroad bridge. Note that the portion of the bridge pier below the antenna enclosure is below the riverbed (riverbed not shown).



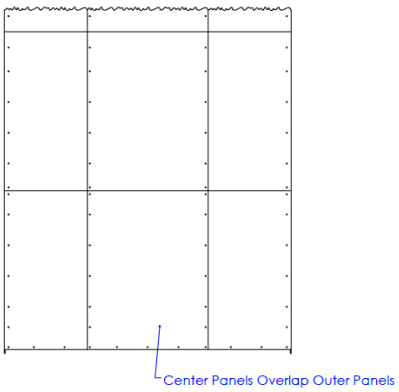
Antenna enclosure to be installed within the recesses on each side of the bridge piers. The enclosure framework would be anchored to the concrete with stainless steel hardware.



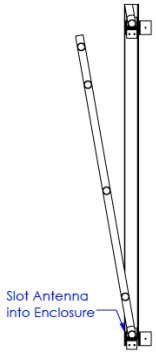
Antenna Slotted into Enclosure



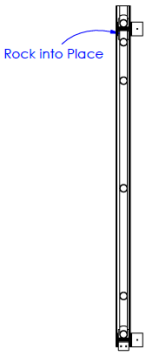
Antenna Rocked into Place



Access Panels Installed



SECTION B-B



SECTION C-C

Detail of antenna position within the antenna enclosures proposed for installation within the recesses on both sides of each bridge pier.