

WAC 197-11-970
DETERMINATION OF NONSIGNIFICANCE

Description of proposal: Interstate 90/Yakima River Bridge East of Cle Elum – Deck Rehabilitation
(XL-4617)

The Washington State Department of Transportation proposes to repair the existing concrete surfacing of two bridge decks approximately 395 feet long. Both bridges (ID #90/140North (Westbound) and #90/140South (Eastbound) were constructed in 1965 within the Interstate 90 (I-90) right of way and cross the Yakima River. In order to complete the work, a temporary bridge approximately 400-foot long will be placed between the two bridges and an approximate 3,000 foot long paved two-lane crossover roadway will be constructed in the median between the eastbound and westbound lanes. This will allow work on one bridge deck repair to be completed with traffic routed to the temporary bridge, followed by work on the other bridge.

The estimated construction sequencing for the project is as follows:

2018- Build temporary crossovers and drive piles for temporary bridge and construct temporary bridge

2019- Route either the westbound or eastbound traffic onto the temporary bridge and crossover and repair one bridge deck; repeat for the other direction

2020 – Remove temporary bridge and crossover and restore disturbed areas

Proponent: Washington State Department of Transportation, South Central Region

Location of proposal, including street address, if any:

The project is located approximately two miles east of Cle Elum, WA within Section 31, Township 20 North, Range 16 East and Section 36, Township 20 North, Range 15 East, W.M., Kittitas County. The site is within the I-90 highway median near Milepost 85 and Exit 86.

Lead agency:

Washington State Department of Transportation

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

There is no comment period for this DNS.

This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 14 days from the date below. Comments must be submitted to the WSDOT South Central Region by June 19, 2017. After the review period has elapsed, all comments received will be evaluated and the DNS will be retained, modified, or withdrawn as required by SEPA regulations

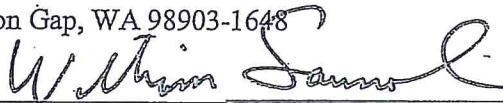
Responsible official: William M. Sauriol

Position/title: SCR Environmental Program Manager

Phone:(509)577-1752

Address: 2809 Rudkin Road, Union Gap, WA 98903-1648

Date. 5/31/2017 **Signature**



WSDOT I-90 / YAKIMA RIVER BRIDGE EAST OF CLE ELUM – DECK REHABILITATION PROJECT SEPA 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.

A. Background

1. Name of proposed project, if applicable: **Washington State Department of Transportation (WSDOT) Interstate 90/Yakima River Bridge East of Cle Elum – Deck Rehabilitation**

2. Name of applicant: **Washington State Department of Transportation**

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

SEPA Responsible Official: Bill Sauriol

**WSDOT Environmental Manager, South Central Region
2809 Rudkin Road, Union Gap, WA 98903
509-577-1752**

Project Engineer: Andrew Byrd

**WSDOT Project Development Engineer
2809 Rudkin Road, Union Gap, WA 98903
509-577-1631**

4. Date checklist prepared: **May 30, 2017**

5. Agency requesting checklist: **WSDOT**

6. Proposed timing or schedule (including phasing, if applicable): **The project is planned for construction starting in Spring 2018 and being completed in three years.**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. **No further activity is planned.**

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

The following information has been prepared for the project:

- **WSDOT Endangered Species Act Biological Assessment**
- **Cultural Resource review**
- **Preliminary hydraulic, scour and backwater analyses for the temporary bridge**
- **Geotechnical analysis and bores**

The following information is being prepared for the project:

- **National Environmental Policy Act Categorical Exclusion**
- **Stormwater analysis and report per the WSDOT Highway Runoff Manual**

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. **There are no pending applications or approvals that may affect the highway right of way where this project is located.**

10. List any government approvals or permits that will be needed for your proposal, if known. **The following permits are required for this project:**

- **US Army Corps of Engineers Clean Water Act Nationwide Permit**
- **WA Dept. of Ecology-Clean Water Act Letter of Verification**
- **WA Dept. of Ecology-National Pollution Discharge Elimination – General Temporary Construction Stormwater permit**
- **WA Dept. of Natural Resources – Aquatic Use Authorization**
- **WA Dept. of Fish and Wildlife – Hydraulic Project Approval**
- **Kittitas County – Shoreline/Critical Areas Code**

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

The project includes repairing the existing concrete surfacing of two bridge decks approximately 395 feet long. Both bridges (ID #90/140North (Westbound) and #90/140South (Eastbound)) were constructed in 1965 within the Interstate 90 (I-90) right of way and cross the Yakima River. The existing bridge deck surfaces will be removed, followed by joint repairs and then the decks will be resurfaced with concrete. No in water work is needed for the bridge deck surface repairs.

In order to complete the work, a temporary bridge over the Yakima River approximately 400-foot long will be placed between the two bridges and an approximate 3,000 foot long paved two-lane crossover roadway will be constructed in the median between the eastbound and westbound lanes connecting to the temporary bridge. This will allow work on one bridge to be completed with traffic routed to the temporary bridge, followed by work on the other bridge. WSDOT has a conceptual temporary bridge design but the final design will be completed by the contractor and be subject to certain structural standards and regulatory requirements.

The temporary bridge may be in place for three construction seasons due to high traffic volumes, limited area for a safe work zone on the existing bridges, the need for sequencing work to maintain the structural integrity of the bridges due to weight restrictions, time needed for concrete curing of the bridge deck one section at a time, and the limited period time allowed to work in the river to install and remove the temporary bridge and piers.

Here is the estimated construction sequencing for the project:

- **2018- Build temporary crossovers and drive piles for temporary bridge, complete temporary bridge**
- **2019- Route either the westbound or eastbound traffic onto the temporary bridge and repair one bridge deck; repeat for the other direction**
- **2020 – remove temporary bridge and crossover and restore disturbed areas**

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 project is located approximately two miles east of Cle Elum, WA within Section 31, Township 20 North, Range 16 East and Section 36, Township 20 North, Range 15 East, W.M., Kittitas County. The site is within the I-90 highway median near Milepost 85 and Exit 86.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site: **The project area lies within the Yakima River valley.**

- relatively flat
 steep slopes
 hilly

- mountainous
 rolling
 other:

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

The steepest slopes are the low banks of the Yakima River; the remaining project has 0% to 5% slopes.

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.

The Natural Resource Conservation Service soils map identifies Xerofluvents and Quicksell loam soil types in the project area. These soil types are common in floodplains and stream terraces. The area is not designated as agricultural land of long-term significance or prime farmland soils.

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

There are no indications or known events of unstable soils in the project area.

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.

The temporary bridge and roadway will be removed after the permanent bridge deck repairs are completed. A total of 2.8 acres will be excavated/filled for the project, which includes:

- **Crossover roadway: 2-lanes plus shoulders for a total 28-foot width: estimate 2900 CY of fill and 4100 CY of base course, hot mix asphalt surfacing**
- **Temporary bridge abutments: 500-600 CY of riprap fill over 1500 s.f. area below the ordinary high water mark (total for both ends of bridge)**
- **Temporary bridge piers- an estimated 40 steel piles will be placed in water would support the temporary 400-foot bridge. The piers are steel, 12-30-inch diameter, bundled and removed after construction. Total 200 s.f. in area.**

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
Erosion is unlikely to occur. A Temporary Sediment and Erosion Control plan will be developed and implemented during construction that will identify Best Management Practices (BMPS) to use to reduce/prevent erosion during construction. Temporary stormwater treatment for the temporary bridge and roadway would be similar to the existing treatment which is natural dispersion and infiltration. Stormwater analysis and treatment will be completed per the WSDOT Highway Runoff Manual.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
The project will temporarily add impervious surface area. After construction, the site will return to current conditions.
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
The project is located on the eastern slopes of the Cascade Mountain foothills in an area with average rainfall of 23-inches per year. Construction is planned to start in March 2018 and continue through November for three years. BMPS will be in place to minimize erosion during construction.

A Temporary Erosion and Sediment Control (TESC) plan will be developed and implemented during construction. This plan will include BMPS to use during construction. Also, a Spill Prevention Control and Countermeasures plan will be developed and implemented during construction to address accidental spills and emergency procedures.

2. Air

- 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.
Construction equipment fueled with gasoline or diesel fuel may temporary increase hydrocarbons and greenhouse gas emissions during project construction. Dust due to excavation and grading may occur but will be controlled using water spray trucks or other dust suppression BMPs where possible. Air quality will return to pre-existing conditions after construction is complete.
- The project will not affect or alter traffic patterns or capacity and Greenhouse Gas emissions will remain at pre-existing levels after construction.**
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.
No known off site sources will affect the proposal.
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:
Source control BMPs will be used as necessary during construction to ensure compliance with all federal, state, and local air quality regulations and ordinances. Any temporary impacts to air quality will return to pre-existing conditions once construction is complete.

3. Water

a. Surface Water:

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 project includes work in and above the Yakima River. There are no wetlands in the project area but there are large ponds adjacent to the highway right of way, but outside the project limits.

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.

The work includes bridge deck repair work will occur over the Yakima River, the placement of a temporary bridge over the water with piers in the river, and fill and excavation for the temporary bridge abutment and roadway.

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.

To place the bridge, approximately 500-600 cubic yards of rip rap and rock will be placed at the temporary bridge abutments to support the structure and crossover road, most of which will be outside the wetted stream. This material will be removed after construction is completed.

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

The project will not require surface water withdrawals but may propose short term temporary diversions if feasible and practicable to reduce water quality and aquatic species impacts from in water work.

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

The project is within the Yakima River floodway and 100-year floodplain.

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.

The project will not discharge waste to surface waters.

b. Ground Water:

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 general description, purpose, and approximate quantities if known.

No groundwater withdrawal will occur. The only water needed for the project may be for dust control during excavation. The water will be obtained from a legal and approved source.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: 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 project will not discharge waste material into 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.

Currently, stormwater runoff management for the existing highway and bridges is natural dispersion and infiltration which will continue after the project is completed. A stormwater management analysis and plan will be developed consistent with the WSDOT Highway Runoff Manual.

- 2) Could waste materials enter ground or surface waters? If so, generally describe. **The project design includes BMPs that will be in place during construction to reduce impacts should accidental spills occur. The contractor will develop and implement a WSDOT-approved Spill Prevention Control and Countermeasures Plan.**

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

The project will not alter or affect drainage patterns in the vicinity.

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

A Temporary Erosion and Sediment Control (TESC) Plan will be prepared and implemented to reduce and control ground and surface water runoff affects if applicable. No impacts to drainage patterns are expected. The contractor will be responsible for the preparation and implementation of a Spill Prevention Control and Countermeasures (SPCC) Plan, which will outline contractor measures to prevent the release of hazardous materials (pursuant to WAC 296-62). Spill containment materials will be readily available on site in the case of an accidental spill.

4. Plants

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

- deciduous tree: alder, maple, aspen, other: cottonwoods
 evergreen tree: fir, cedar, pine, other
 shrubs
 grass, weeds
 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: sedges
 other types of vegetation

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

The project area consists of an interstate highway with annual grasses growing in the median and woody riparian vegetation near the river dominated by cottonwood and willow. An estimated 2.8 acres of vegetation will be affected to construct the temporary crossover road and bridge abutments. Approximately 1,500 square feet of riparian vegetation near the river will be affected. Riparian vegetation will be trimmed to promote regrowth after construction is complete.

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

A Biological Assessment was completed and concurred with by the US Fish and Wildlife Service and National Marine Fisheries Service. There are no listed plant species identified in the project vicinity.

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

Disturbed areas in the median and on the shoreline will be re-seeded using a native seed mix. Woody plantings will be installed as necessary to restore the site to existing conditions.

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

There are no known noxious or invasive species at the site.

5. Animals

- a. List any birds and other animals which 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, swallows, other:

mammals: deer, bear, elk, beaver, other: rabbit, coyote

fish: bass, salmon, trout, herring, shellfish, other

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

The WA Dept. of Fish and Wildlife Priority Habitat and Species database identified threatened and endangered species within the project area and vicinity. In addition, a Biological Assessment was completed and concurred with by the US Fish and Wildlife Service and National Marine Fisheries Service.

Common Name

Bald Eagle

Coho

Spring Chinook

Bull Trout

Summer Steelhead

Rainbow Trout

Essential Fish Habitat

The following species are known to the Central Cascades but have no habitat present in the project vicinity:

Northern Spotted Owl

Marbled Murrelet

Canada Lynx

Gray Wolf

Western Yellow-billed Cuckoo

- c. Is the site part of a migration route? If so, explain.
The Yakima River is known as migration route for several salmon species.

- d. Proposed measures to preserve or enhance wildlife, if any:
There are no proposed measures to preserve or enhance wildlife. Multiple minimization measures will take place during construction to reduce effects to aquatic species. These include: setting a maximum number of piles (40) and maximum number of strikes per day (4000) during installation with 12-hour rest periods; installing a bubble curtain or other noise attenuation method during pile placement in water more than 3-feet deep; restricting in water work between August 1-31 (with earlier start date if approved by regulatory agencies); trimming, not grubbing, existing riparian vegetation (cottonwoods) to promote regrowth; and directing any night lighting away from the water.

Appropriate measures to reduce impacts to nesting birds under the permanent and temporary bridge will occur.

- e. List any invasive animal species known to be on or near the site.
There are no known invasive animal species in the area.

6. Energy and Natural Resources

- 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.
Construction of the project will require gasoline or diesel fuel to operate the construction/maintenance equipment and vehicles and electricity to power the new lift station and maintenance buildings.
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.
The project will not affect solar energy use.
- 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:
During construction when traffic control is needed for equipment access, material delivery. Use of solar powered traffic control signs and signals may occur.

7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.
Use of petroleum products during construction is needed. A SPCC plan will be developed and implemented during the project construction.
- 1) Describe any known or possible contamination at the site from present or past uses.
There is no known contamination at the site.

- 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.

There are no known hazardous chemicals/conditions that might affect the project.

- 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.

The contractor may use fuels and solvents during the project. An approved SPCC plan will be developed and implemented that will address any accidental spill response.

- 4) Describe special emergency services that might be required.

If an emergency occurs, state and local emergency service responders or providers will be notified.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

An approved SPCC plan will be developed and implemented that will address any accidental spill response.

b. Noise

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

No existing noise in the area will 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.

Temporary increases to noise levels during construction will occur during construction months and may include 24-hour work. Road construction, land excavation and vehicular equipment operation will result in noise level increases. Noise levels will return to existing conditions after construction of the project.

- 3) Proposed measures to reduce or control noise impacts, if any:

Not applicable.

8. Land and Shoreline Use

- 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.

I-90 is part of the National Highway system. The project lies within the interstate right of way near an interchange (Exit 85) that accesses the City of Cle Elum and State Route 970. West of the river, the parcels adjacent to the right of way are owned by the City of Cle Elum. East of the river, are generally large tracts 10-15 acres in size that are privately owned with residential/agricultural uses and undeveloped land.

- 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 as a result 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?

The highway corridor has not been used as a working farm or forest. No land conversions will result from the project.

- 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:

The project will not affect adjacent uses and will not affect access to these uses.

- c. Describe any structures on the site.

There are two existing permanent bridges in the project area. One temporary bridge will be placed while rehabilitating the two permanent bridges, and then removed after construction.

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

Not applicable.

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

The Yakima River marks the City of Cle Elum Urban Growth Area (UGA) boundary. West of the river is the UGA with industrial zoning classification and east of the river, the lands are zoned Rural 5 (residential). The project is part of an Interstate highway, which is not defined or listed as a land use in the Kittitas County Zoning Code, Title 17.

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

West of the Yakima River, the land is within the Cle Elum Urban Growth area and partially within the city limits, and has Urban Land Use designation. East of the River, the current comprehensive plan designation is Rural Working Land Use.

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

The shoreline designations are Rural Conservancy, Urban Conservancy, Aquatic and Shoreline of Statewide Significance per the Kittitas County Shoreline Code, Title 17B. Rural Conservancy designation purpose is to protect ecological functions natural resources to provide sustained resource use, natural floodplain processes and recreation opportunities. Urban Conservancy designation purpose is to protect/restores ecological functions of floodplains and sensitive areas within urban areas. Transportation facilities (roads and bridges) are permitted with a shoreline permit within the Urban Conservancy designation.

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

The Yakima River is classified as a shoreline of the State, fish and wildlife conservation area, and frequently flooded area by Kittitas County.

<https://www.co.kittitas.wa.us/cds/cao/maps.aspx>.

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

No people would reside at the project. Approximately 10-12 temporary construction workers per day would complete the project.

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

No people would be displaced.

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

Not Applicable.

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

The project supports an existing transportation facility that is compatible with existing/project land uses and plans.

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

There are no proposed measures as there is no impact to these uses.

9. Housing

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

No housing units would be provided.

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

No housing units would be eliminated.

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

Not Applicable.

10. Aesthetics

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

The project will place one temporary bridge across the Yakima River and a temporary crossover road within the median.

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

The proposed temporary bridge will be located between the two existing permanent bridges and should not alter or obstruct views in the vicinity after the project is completed.

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

No measures to reduce or control aesthetics are proposed.

11. Light and Glare

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

The project will not create additional light or glare. Construction activities may occur at night with night lighting used.

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

The project will not create additional light, glare or safety hazard and will not interfere with views.

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

There are no off site sources of light or glare that would affect the project.

- d. Proposed measures to reduce or control light and glare impacts, if any:
Not applicable

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
There are no recreational uses in the immediate vicinity.
- b. Would the proposed project displace any existing recreational uses? If so, describe.
No recreational uses will be displaced by the project.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
Not applicable.

13. Historic and cultural preservation

- 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.
There are no national, state or local preservation register - listed or eligible buildings, structures or sites within the project's Area of Potential Affect (APE). The existing bridges were constructed in 1965.
- 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.
A site review and analysis was completed by a WSDOT archeologist in April 2017.
- 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.
A site review and analysis by a WSDOT archeologist was completed in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended, and was found to be exempt from further review per the 2012 Memorandum of Agreement signed by the Federal Highway Administration, State Historic Preservation Officer, WSDOT and consulted tribes in WA State.
- 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.
Should resources be identified, the appropriate measures will be taken that either avoid the specific site or other options.

14. Transportation

- 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.
Interstate 90 is part of the National Highway system with a 70 mile per hour speed limit and average daily vehicle trips of approximately 25,000 near Exit 85.

This section of I-90 is designated as the Mountains to Sound National Scenic Byway,

- 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?
The nearest public transit system is 25 miles east of the project area in the Ellensburg area.
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?
No parking spaces are proposed or will be eliminated by the project.
- d. 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 transportation improvements are needed for the project.
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
The project is part of the Interstate 90 highway transportation system.
- f. 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?
The project will not generate increased traffic trips after completion. Temporary increase to vehicle trips will occur during construction by the workers and material deliveries/removal. Maximum daily trips during the three year construction period are estimated at 600-900 trips.
- g. 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.
The project will not affect or be affected by transportation of agriculture and forest products.
- h. Proposed measures to reduce or control transportation impacts, if any:
To reduce transportation impacts by detours or lane closures on the existing bridge, the project will construct a temporary crossover and bridge across the Yakima River in order to keep high traffic volumes moving and avoid travel delays and congestion. Short term, single lane closures may occur to allow construction equipment access and crossover lane construction.

15. Public Services

- 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.

The project will not increase needs for public services.

- b. Proposed measures to reduce or control direct impacts on public services, if any.
Not applicable.

16. Utilities

- a. The following utilities currently available at the site:

electricity, natural gas, water, refuse service, telephone/fiber optic, sanitary sewer, septic system

- d. 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.

No new utilities are proposed.

C. Signature

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.

Signature: William Sauriol

Name of signee **William Sauriol**

Position and Agency/Organization **Environmental Manager, South Central Region, WSDOT**

Date Submitted: 5/31/2017

Attachments
Vicinity Map
Site Plan