

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.

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.

A. Background [\[HELP\]](#)

1. Name of proposed project, if applicable:
[West Scott Avenue and Davidson Avenue BNSF Water Main Crossings.](#)
2. Name of applicant:
[City of Woodland](#)

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

Applicant:	City of Woodland	Engineer:	Gray & Osborne, Inc.
	Tracy Coleman		Abbey McDonald, P.E.
	Public Works Director		8513 NE Hazel Dell Avenue
	PO Box 9		Suite 202
	Woodland, WA 98674		Vancouver, WA 98665
	(360) 225-7999		(360) 571-3350

4. Date checklist prepared:

9/1/2021

5. Agency requesting checklist:

City of Woodland, Washington

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

Spring 2022

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

No.

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

Davidson Crossing: Geotechnical Report by PanGEO, Inc. (March 2020)

West Scott Crossing: Draft Geotechnical Report by PanGEO, Inc. (April 2020)

Wetland Delineation Report by Ecological Land Services, Inc. August 10, 2021

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.

Yes. A NEPA is in process for West Scott Ave Pedestrian Crossing Pavement and Sidewalk Improvements. A SEPA has been submitted for the W. Scott Ave. Pedestrian Pavement and Sidewalk Improvements (scheduled for the Summer/Fall of 2022) and Guild Road and West Scott Ave Improvements (scheduled for Spring 2023).

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

BNSF Pipeline License

City of Woodland Right of Way Permit

City of Woodland Excavation & Grading Permit

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.)

West Scott Crossing: Approximately 375 linear feet of 12-inch diameter PVC watermain installation in West Scott Avenue between North Pekin Road and Down River Drive, including

approximately 145 linear feet of trenchless crossing below the railroad tracks (PVC water main inside steel casing).

Davidson Crossing: Approximately 240 linear feet of 12-inch and 16-inch PVC watermain installation in Davidson Avenue between North Pekin Road and Sixth Street, including approximately 150 linear feet of trenchless crossing below the railroad (16-inch diameter PVC water main inside steel casing).

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.

West Scott Avenue BNSF Water Main Crossing: located between the intersections of North Pekin Road and Down River Drive with West Scott Avenue, and is located in Section 46, Township 5N, Range 1W.

Davidson Avenue BNSF Water Main Crossing: located between the intersections of North Pekin Road and Sixth Street with Davidson Avenue, and is located in Section 24, Township 5N, Range 1W.

B. Environmental Elements [\[HELP\]](#)

1. Earth [\[help\]](#)

a. General description of the site:

(circle one): Flat, **rolling**, hilly, steep slopes, mountainous, other _____

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

7% along the roadway. Fill side slopes of about 1H:1V to 1½H:1V

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 alignment on West Scott Avenue is underlain by 2½ to 6½ feet of fill consisting of silty fine to medium sand and silty poorly graded gravel. The fill typically ranged from medium to very dense near the surface and grading to loose and very loose with depth. Below the fill material is very loose to medium dense poorly graded sand, silty sand, and sandy silt.

The alignment on Davidson Avenue is underlain by 6½ to 7 feet of fill consisting of loose to medium dense silty fine to medium sand and sand with silt containing trace amounts of gravel. Below the fill materials is medium stiff to stiff sandy silt and medium dense silty sand to a depth of about 15 to 20 feet below grade; underlain by stiff silty clay and clayey silt at around 21 feet and loose fine to medium sand at about 26 feet below grade.

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.

There is approximately 430 cubic yards of excavation estimated for the jack and bore pits, and approximately 210 cubic yards of excavation for estimated for the open trench sections of the watermain installations. The suitable excavated native material may be used for fill. The remainder of the fill will be imported by the Contractor.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Erosion from construction activities (trenching for utilities) could occur during construction if proper construction techniques are not utilized. Project specifications will provide for erosion control measures to be implemented during construction. Erosion Control measures will meet DOE requirements.

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

No additional impervious surface will be added as a result of this project. All work is within the existing paved area.

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

The Contractor will be required to incorporate provisions for erosion control such as use of wattles, silt fencing, catch basin filter sacks, visqueen, etc. during construction, as required by the contract.

2. Air [\[help\]](#)

- 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.

Exhaust emissions from equipment, both diesel and gas operated, will take place during construction. Dust may be emitted during excavation activities and back filling of the utility trenches.

- 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:

The contract will include provisions for dust control during construction. The contractor will minimize dust nuisance by cleaning, sweeping, sprinkling water, or other means. Internal combustion engines will not be allowed to idle for prolonged periods of time. The contractor will also be required to maintain construction vehicles and equipment in good repair.

3. Water [\[help\]](#)

- a. Surface Water: [\[help\]](#)

- 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.

There are two wetlands located north and one wetland located south of the W. Scott Ave. BNSF water main crossing. Wetland A, a Category III is located 370 feet; Wetland B, a Category IV, is located 80 feet; and Wetland C, a Category IV, is located 30 feet from the project. There is 60" diameter pipe under W. Scott Ave, East of the BNSF crossing, that conveys storm water.

- 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 watermain, at W. Scott Ave., will cross perpendicular to the stormwater pipe under the road. The crossing will be bored.

- 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.
None.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.
No.

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
No.

- 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.
No.

b. Ground Water: [help](#)

- 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.

- 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.
N/A

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.
At both locations stormwater runoff will be collected and conveyed through the existing storm system. The project will not increase the runoff. The railroad crossing is the high point at each project site. The runoff that flows to the east is directed to the City's storm water system that is discharges to a drainage swale that parallals the railroad track. The flow in the drainage swale is

directed to the north and enters Burris Creek. At the W. Scott Road/BNSF crossing the runoff west of the railroad crossing flows west to the existing manmade Goerig Slough which eventually flows to the Columbia River. At the Davidson Avenue/BNSF crossing the runoff west of the railroad crossing sheet flows to the west.

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:

As no new impervious areas will be added as part of this project, no additional measures will be installed.

4. **Plants** [\[help\]](#)

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?

Ground cover including grass and shrubs shall be removed along the side of the road to install hydrants and air/vacuum release valve assemblies. The area will be restored with hydroseed or gravel.

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

None known.

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

Any disturbed areas outside of pavement or sidewalk will be seeded.

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

None known.

5. Animals [\[help\]](#)

- 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](#), other:
mammals: deer, bear, elk, beaver, other: [Big Brown Bat](#)
fish: bass, salmon, trout, herring, shellfish, other _____

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

[None.](#)

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

[Yes. The project area is part of Pacific Flyway.](#)

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

[Daily inspection of TESC measures will be required during construction. The contractor will be required to take steps to correct any variation from the standard measures set forth within the project specifications.](#)

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

[None known.](#)

6. Energy and Natural Resources [\[help\]](#)

- 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.

[Not applicable.](#)

- 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 contractor will operate equipment and machinery efficiently where possible.](#)

7. Environmental Health [\[help\]](#)

- 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.

[Potential fuel leaks from construction equipment during construction. British Petroleum pipelines and natural gas mains are in the vicinity of construction at both project sites.](#)

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

[None known.](#)

Public Works Director/City of Woodland
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- 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 is an existing 14" gas pipeline crossing underneath West Scott Ave approximately 200 feet to the west of the railroad crossing, and at the intersection of North Pekin Road and Davidson Avenue approximately 100 feet from the railroad crossing.

- 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.

Oil and fuel for construction equipment used during construction.

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

Emergency response units (fire and medical).

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

A Spill Prevention, Control and Countermeasures Plan will be required from the Contractor. British Petroleum will be present when any work occurs within 25 feet of their pipelines.

b. Noise

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

N/A

- 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.

Short-term noise from machinery during working hours will occur during the course of construction from 7:00 A.M. to 6:00 P.M.. BNSF license agreement may require the boring to continue 24 hours a day when boring is within 25 feet of the rail road.

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

Working hours will be established by the contract limiting working hours to weekdays from 7:00 A.M. to 6:00 P.M.. Equipment shall not be allowed to idle for extended periods of time.

8. Land and Shoreline Use [\[help\]](#)

- 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 project site's current use is City right-of-way. The adjacent properties consist of residential, retail, storage, trucking, and other industrial uses. Boring will occur underneath BNSF right-of-way.

- 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?

No.

Public Works Director

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

N/A

- c. Describe any structures on the site.

None.

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

No.

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

The project is within City right-of-way. The zoning for the properties adjacent to the Davdison Ave. and W. Scott Ave. crossing sites are Light Industrial and Heavy Industrial.

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

The sites are currently designated as right-of-way. Adjacent land use designations are Industrial.

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

Not designated.

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

No.

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

N/A

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

None.

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

N/A

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

N/A

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

N/A

9. Housing [\[help\]](#)

- 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:

N/A

10. Aesthetics [\[help\]](#)

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

The tallest structures to be placed on the project are fire hydrants.

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

None.

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

None.

11. Light and Glare [\[help\]](#)

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

N/A.

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

No.

- 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.

12. Recreation [\[help\]](#)

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

Hoffman Park, Woodland High School, and Woodland Elementary school are located approximately 3/4 of a mile south of W. Scott Ave. and about 1/4 of a mile north of Davidson Ave. Horseshoe Lake Park is about 1/2 a mile east of the Davidson Ave. site.

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

None.

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

N/A.

13. **Historic and cultural preservation** [\[help\]](#)

- 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.

- 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.

No.

- 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.

The WISAARD website was consulted for the project areas and it showed GLO trails nearby, the Predictive Model for “Environmental Factor with Archaeological Resources Results” showed that Survey was highly advised, and that several tribes may need to be consulted; however, there were no documented cultural or historical areas close by.

- 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.

N/A

14. **Transportation** [\[help\]](#)

- 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.

Public streets that intersect the W. Scott Ave. include Guild Road, North Pekin Road and Down River Drive. Public streets that intersect Davidson Ave. include North Pekin and Goerig Road. Local and emergency access on W. Scott Avenue and Davidson Ave. will be maintained for the duration of the project.

- 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?

Neither site is served by public transportation. Both sites are within school bus routes. Commuter rail (Amtrak) uses the BNSF railroad tracks.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

There is currently no parking in the project areas. No parking spaces will be added.

- 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 improvements are required to other roads due to this project.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
No.
- 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?
None.
- 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.
No.
- h. Proposed measures to reduce or control transportation impacts, if any:
Construction will take place in a timely manner to minimize disturbance to traffic flow through the street corridors. Alternating traffic will be required at both locations, during working hours, since the boring and receiving pits are in the west bound travel lanes.

15. Public Services [\[help\]](#)


- 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.
No.
- b. Proposed measures to reduce or control direct impacts on public services, if any.
The contract documents will include provisions for maintaining existing utility service and local access to residents and businesses. The Contractor shall be required to locate all existing utilities and coordinate construction activities with affected utility companies and residents.

16. Utilities [\[help\]](#)

- a. Circle utilities currently available at the site:
 electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other [Storm Drainage](#)
- c. 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.
Utilities proposed for the project are extending the water main west of the W. Scott Avenue BNSF RR crossing and on the west side of the Davidson Avenue BNSF RR crossing. The City of Woodland owns and operates the water system.

C. Signature [\[HELP\]](#)

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:  _____
Name of signee Tracy Coleman

Public Works Director/City of Woodland

Position and Agency/Organization _____

Date Submitted: 09-08-2021