



Snohomish County



# SEPA CHECKLIST

Mann Road and Ben Howard Road  
Improvements, RC1726

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Snohomish County  
Public Works  
3000 Rockefeller Avenue  
Everett, WA 98201

Prepared by:

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## **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.

## **SUMMARY**

### **A. BACKGROUND**

Name of proposed project:

**Mann Road and Ben Howard Road Improvements**

Name of applicant:

**Snohomish County Public Works**

Address and phone number of applicant and contact person:

**3000 Rockefeller Avenue, M/S 607**

**Everett, WA 98201**

**Julie Highton, Senior Planner, 425-262-2341**

Date checklist prepared:

**January 29, 2019**

Agency requesting checklist:

**Snohomish County Public Works**

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

**The project will be constructed in the summer of 2021.**

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

**No.**

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

- **Skykomish River Sloughs Hydraulic Modeling, December 7, 2015**
- **Mann Road Hydraulic Analysis, April 12, 2016**
- **Snohomish County 30% Design Report, October 2018**
- **Engineering Soils Analysis, October 29, 2018**
- **Cultural Resources Survey, December 28, 2018**

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

**No, we are not aware that there are other proposals that could affect the project areas.**

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

**The following permits and approvals are required for the project:**

| <input checked="" type="checkbox"/> | <b>Permit/Approval:</b>                           | <b>Required from:</b>                                |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Section 404 Authorization: Nationwide Permit      | U.S. Army Corps of Engineers                         |
| <input checked="" type="checkbox"/> | Section 7 Endangered Species Act Consultation     | NOAA Fisheries and U.S. Fish and Wildlife Service    |
| <input checked="" type="checkbox"/> | Section 106 National Historic Preservation Act    | Federal Lead Agency (Corps of Engineers)             |
| <input checked="" type="checkbox"/> | Section 401 Water Quality and CZM Certification   | Washington State Department of Ecology               |
| <input checked="" type="checkbox"/> | NPDES Permit                                      | Washington State Department of Ecology               |
| <input checked="" type="checkbox"/> | Hydraulic Project Approval (HPA)                  | Washington State Department of Fish and Wildlife     |
| <input checked="" type="checkbox"/> | Drainage & Land Disturbing Activity Certification | Snohomish County – Public Works                      |
| <input checked="" type="checkbox"/> | Critical Area Certification                       | Snohomish County – Public Works                      |
| <input checked="" type="checkbox"/> | Shoreline Substantial Development Permit          | Snohomish County – Planning and Development Services |
| <input checked="" type="checkbox"/> | Flood Hazard Permit                               | Snohomish County - Planning and Development Services |
| <input type="checkbox"/>            | Click here to enter text.                         | Click here to enter text.                            |
| <input type="checkbox"/>            | Click here to enter text.                         | Click here to enter text.                            |

1. Give a brief, complete description of your proposal, including the proposed uses and the size of the project 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).

**Snohomish County has identified three locations susceptible to flooding at or less than a two-year recurrence interval: two sites are located on Ben Howard Road, and the third site is located on Mann Road, south of the City of Sultan and US 2.**

**Site A**

**This is the westernmost site, and totals approximately 20,855 square feet (.48 acre) in area. It is located at a bend in Ben Howard Road east of McCoy Creek.**

An existing driveway culvert will be replaced with a 24-inch culvert, and the culvert under Ben Howard Road will be replaced with a new 7-foot culvert. This will require raising the roadway by approximately 2 feet that would extend for 400 linear feet.

#### Site B

This site is a short distance away and to the northeast of Site A, and west of the intersection of Ben Howard Road and 311<sup>th</sup> Avenue SE. It totals approximately 26,132 square feet (.609 acre) in area. An existing driveway culvert will be replaced with a 24-inch culvert, and a new 48-inch culvert will be installed under Ben Howard Road to the east of the driveway. The existing culvert at the intersection will not be replaced. The roadway elevation will be raised approximately 4.8 feet and extend for 600 linear feet. A geogrid reinforced earth wall and guardrail will be installed on the north side of the road.

#### Site C

This is the easternmost site, located at Devil's Elbow on Mann Road. It is approximately 28,375 square feet (0.65 acre) in area. The existing driveway culvert will be replaced with a 24-inch culvert, and a new 17-foot concrete box culvert will replace the existing culvert under Mann Road. Two additional 48-inch drainage culverts will be installed side by side further to the east (these two culverts will not be designed to provide for fish passage). The roadway elevation will be raised approximately 6 feet and extend for 700 linear feet. Geogrid reinforced earth walls will be installed on both sides of the road. Guardrail will be installed on the north side of the road, and in a short section on the south side.

**The total area of all three sites is approximately 75,362 square feet (1.73 acres).**

2. Location of 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/range if known. If a proposal would occur over a range of areas, provide the range or boundaries of the site(s). Provide 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.

**Site A's project activities are located in Sections 5, 7 and 8 Township 27 North, Range 8 East, W.M; Site B and Site C are located in Section 7, Township 27 North, Range 8 East, W.M. The three sites span a distance of approximately one mile.**

## B. ENVIRONMENTAL ELEMENTS

### 1. Earth

- a. General description of the site (check one):
- FLAT
  - ROLLING
  - HILLY
  - STEEP SLOPES
  - MOUNTAINOUS
  - OTHER (please describe): [Click here to enter text.](#)

**Sites A and B are generally flat, while Site C is slightly rolling. Sites A and C have steep slope areas directly to the south.**

- b. What is the steepest slope on the site (approximate percent slope)?
- As mentioned above Sites A and B are generally flat and Site C is slightly rolling, however, south of Sites A and C, there are steep slopes exceeding 33 percent. All three sites in post-construction will have an estimated 50 percent slope to portions of the roadway embankments.**
- c. What general types of soil are found on the site (i.e., 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.

#### Site A

##### **Sultan Silt Loam:**

**This soil is mapped on the east and south side of the bend in Ben Howard Road. It is a very deep, moderately well-drained soil found on floodplains. Permeability is moderately slow.**

##### **Pastik Silt Loam:**

**This soil is mapped further to the south, and is a very deep, moderately well-drained soil found on terraces, 25 to 50 percent slopes. Permeability is slow.**

##### **Pilchuck Loamy Sand:**

**There is a thin band of this soil type mapped just north of the bend in the road. It is very deep, somewhat excessively drained soil found on floodplains. Permeability is rapid.**

#### Site B

**Sultan Silt Loam is mapped on the south side of the road, and Pilchuck Loamy Sand to the north.**

### Site C

#### **Sultan Variant Silt Loam:**

This soil area is mapped on the south side of Mann Road east of the Type F stream (Stream 4). It is a very deep, well-drained soil found on floodplains. Permeability is moderate in the subsoil and rapid below.

#### **Tokul-Ogarty-Rock Outcrop Complex, 25 to 65 percent slopes**

This soil area mapped on the south side of Mann Road is west of Stream 4. It is moderately deep and moderately well-drained, and found on till plains and foothills. Permeability is moderate to the hardpan and very slow through it.

Directly to the north of the road is Pilchuck loamy sand.

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

**While there are slopes exceeding 33 percent to the south of Sites A and C, there is no known history of landslides or subsidence. An engineering analysis conducted soil borings at the sites as part of a soils analysis and identified the following:**

### Site A

The asphalt was underlain with approximately 8 feet of soft compressible clay, under which was dense granular material, which has led to settlement of the road over a long period of time.

### Site B

The asphalt was underlain with approximately 8 feet of loose sandy silt, which is less compressible than the clay at Site A. Granular material was found under the silt. Settlement of the road has been a problem in the past.

### Site C

The asphalt is underlain with approximately 18 feet of loose granular material, which is less compressible than Site A's clay. Sandstone bedrock was found under the granular material. There appears to have been less settlement on this section of road.

- 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 project proposes to install culverts at all 3 sites to relieve flooding over the roadway. Culvert installation will require excavation and fill activities as follows, assuming 2:1 and 3:1 slopes:**

### Site A

**Approximately 90 cubic yards of cut and 1,400 cubic yards of fill. The total affected area is 20,855 square feet.**

**Site B**

**Approximately 200 cubic yards of cut and 1,700 cubic yards of fill. The total affected area is 26,132 square feet.**

**Site C**

**Approximately 100 cubic yards of cut and 3,300 cubic yards of fill. The total affected area is 28,375 square feet.**

**The source of fill will be roadway material that meets design specifications from County-approved sources.**

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

**Erosion could occur during clearing and grading activities, pavement removal, and other onsite soil disturbance activities. There may be temporary stockpiling of excavated soils during construction. However, these activities would not result in significant adverse erosion related impacts.**

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

**Site A's post-construction impervious surface area will cover 61% of the site; Site B's will cover 62%, and Site C's will cover 52%.**

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

**No significant adverse impacts are anticipated. All necessary BMPs would be used throughout the project during construction to prevent erosion. These BMPs would be in place around stockpiles of excavated fill, and would prevent sediments from entering surface water. In addition there would be seeding and planting of bare soil areas after establishment of final grades.**

**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, please generally describe and give approximate quantities if known.

**During demolition and grading, dust levels may increase temporarily. In addition, minor temporary increases in emissions would be released from construction equipment. No long-term emissions will result from this project.**

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

**No.**

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:  
**During construction, equipment emissions will not exceed applicable state and federal air quality standards. Dust control measures will be implemented to minimize airborne dust. The staging areas for equipment and materials will be located away from surface waters.**

### **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, please describe type and provide names. If appropriate, state what stream or river it flows into.

**Site A**

**Wetland A is at the west end of the site, adjacent to the south side of Ben Howard Road. It is a Category III, forested/palustrine scrub-shrub, slope wetland. Wetland B is adjacent to the east side of Ben Howard Road, and is a Category III palustrine scrub-shrub, depressional wetland. Wetland C is on the west side of Ben Howard Road, on the inside of the bend in the roadway. It is a Category III, forested/palustrine scrub-shrub, depressional wetland.**

**Stream 1 is a Type F stream that flows towards the road from the east, then through the culvert linking Wetlands B and C. From Wetland C, the stream flows to the north where it enters South Slough, a Type S stream and tributary to the Skykomish River. It is possible that fish could be present in the stream. A short distance west of the site is McCoy Creek, also a Type S stream which flows north to South Slough.**

**Site B**

**Wetland D is south of the site, adjacent to Ben Howard Road. It is a Category III palustrine-emergent, riverine/depressional wetland. Two areas, originally called Wetlands E and F south of the roadway, were found to not meet the criteria for wetlands. Stream 2 is a Type F stream that flows through a perched culvert adjacent to the west side of the intersection of Ben Howard Road and 311<sup>th</sup> Avenue.**

**Site C**

**Wetland G is west of the site, and is a Category III, forested/palustrine scrub-shrub wetland. Wetland H is north of Mann Road. It is a Category III, palustrine scrub-shrub, riverine wetland. Wetland I is south of Mann Road, and is a Category III, palustrine-emergent, riverine/depressional wetland.**

**Stream 3 is located west of the site, and is a Type Np stream. Stream 4 is a Type F stream that flows through the culvert under Mann Road.**

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.

**Site A**

**Yes, Wetlands B and C and Stream 1 will be impacted when the existing culvert carrying Stream 1 under Ben Howard Road is replaced with a 7-foot box culvert. Construction activities will occur below the OHWM of the stream. Neither South Slough nor McCoy Creek will be directly impacted by the project, but activities will take place within their 150-foot buffers.**

**Site B**

**No, Wetland D and Stream 2 will not be impacted by the project.**

**Site C**

**Yes, Stream 4 will be impacted when the existing culvert is replaced with a 17-foot box culvert and construction activities occur below the OHWM. Wetlands G, H and I will not be impacted by the project.**

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.
  - **Stream 1 - 20 cubic yards of excavation**
  - **Wetland B - 25 cubic yards of fill**
  - **Wetland C - 80 cubic yards of fill**
  - **Stream 4 - 100 cubic yards of excavation**

**The fill will be from a County approved source.**

4. Will the proposal require surface water withdrawals or diversions? Please give a 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.  
**All three sites are located within the 100-year floodplain of the Skykomish River.**
6. Does the proposal involve any discharges of waste materials to surface waters? If so, please describe the type of waste and anticipated volume of discharge.  
**No.**

b. Groundwater:

1. Will groundwater be withdrawn from a well for drinking water of other purposes? If so, please give a general description of the well, proposed uses and approximate quantities withdrawn from the well.

**No.**

2. Will water be discharged to groundwater? Please give a general description, purpose, and approximate quantities if known.

**No.**

3. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (i.e., domestic sewage, industrial, containing the following chemicals..., agricultural, etc.).

**Not applicable.**

4. 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.

**Not applicable.**

c. Water Runoff (including storm water):

1. Describe the source of runoff (including stormwater) 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, please describe.

**Water quality treatment and flow control are not required for this project. Concentrated flows will be avoided to the maximum extent possible. The sections of road that will be elevated at Sites A, B and C will have a slight crown at centerline, and stormwater will drain to vegetated areas on both sides of the road.**

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

**Best management practices (BMPs) will be used to prevent waste materials from entering ground or surface waters.**

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

**No.**

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

**An erosion control plan will be developed for this project. During construction, surface water runoff would be controlled by implementation of erosion-control BMPs. Temporary measures will be employed to protect water quality. The limits of clearing and grading will be staked prior to any site disturbance. All cleared areas will be seeded or planted after construction.**

#### 4. Plants

- a. Check all types of vegetation below found on or in close proximity to the site:
- deciduous tree: **alder, maple, aspen, black cottonwood, western hemlock**
  - evergreen tree: **fir, cedar, pine, other**
  - shrubs: **common snowberry, beaked hazelnut,**
  - grass: **reed canary grass**
  - pasture
  - crop or grain - **corn**
  - orchards, vineyards, or other permanent crops
  - wet soil plants: **cattail, buttercup, bulrush, skunk cabbage, salmonberry, vine maple, stink current, willow,**
  - water plants: water lily, eelgrass, milfoil, other
  - other types of vegetation present: **western lady fern, sword fern, red elderberry, Himalayan blackberry, Japanese knotweed**
- b. What kind and amount of vegetation will be removed or altered?  
**Small trees, shrubs and groundcover within the right of way will be removed.**
- c. List threatened and endangered plant species known to be on or near the site.  
**None are known.**
- d. List all noxious weeds and invasive species known to be on or near the site.  
**Himalayan blackberry, reed canary grass.**
- e. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation of the site, if any:  
**All short-term, temporary impacts will be mitigated on-site through site clean-up and restoration. Mitigation for long-term and permanent impacts will be proposed to occur at the Skykomish Habitat Mitigation Bank.**

#### 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. (i.e. birds: hawks, eagles, owls, ducks, woodpeckers, other; mammals: bear, elk, deer, beaver, opossum, raccoon, coyote, small rodents, other; fish: salmon, trout, herring, shellfish, other):

**Birds: barn and violet-green swallows, marsh wrens, Bewick's wren, Red-tailed hawks, bald eagle, finches, sparrows, owls, ducks, woodpeckers, crows.**

**Mammals: deer, beaver, opossum, raccoon, coyote, bobcat, small rodents.**

**Fish: salmon, trout and other resident fish.**

b. List any threatened and endangered wildlife species known to be on or near the site. Peregrine falcons may hunt waterfowl in the area.

As of **December 15, 2018**, the following threatened, endangered, sensitive, or priority species that may be found within the project area include (check all that apply):

| <input checked="" type="checkbox"/> | Common Name                    | Latin Name                 | Federal Listing    | State Listing |
|-------------------------------------|--------------------------------|----------------------------|--------------------|---------------|
| <input checked="" type="checkbox"/> | Puget Sound ESU Chinook        | Onchohynchus tshawytscha   | Threatened         | Candidate     |
| <input checked="" type="checkbox"/> | Puget Sound DPS Steelhead      | O. mykiss                  | Threatened         | N/A           |
| <input checked="" type="checkbox"/> | Bull trout                     | Salvelinus confluentus     | Threatened         | Candidate     |
| <input type="checkbox"/>            | Pygmy whitefish                | Prosopium coulteri         | N/A                | Sensitive     |
| <input type="checkbox"/>            | Margined sculpin               | Cottus marginatus          | N/A                | Sensitive     |
| <input type="checkbox"/>            | Olympic mudminnow              | Novumbra hubbsi            | N/A                | Sensitive     |
| <input type="checkbox"/>            | Oregon spotted frog            | Rana pretiosa              | Threatened         | Sensitive     |
| <input type="checkbox"/>            | Larch mountain salamander      | Plethodon marselli         | N/A                | Sensitive     |
| <input type="checkbox"/>            | Common loon                    | Gavia immer                | N/A                | Sensitive     |
| <input checked="" type="checkbox"/> | Peregrine falcon               | Falco peregrinus           | Species of Concern | Sensitive     |
| <input type="checkbox"/>            | Marbled murrelet               | Brachyramphus marmoratus   | Threatened         | Endangered    |
| <input type="checkbox"/>            | Northern spotted owl           | Strix occidentalis caurina | Threatened         | Endangered    |
| <input type="checkbox"/>            | Yellow-billed cuckoo           | Coccyzus americanus        | Threatened         | Candidate     |
| <input type="checkbox"/>            | Fisher                         | Martes pennanti            | Endangered         | Endangered    |
| <input type="checkbox"/>            | Gray wolf                      | Canis lupus                | Endangered         | Endangered    |
| <input type="checkbox"/>            | Grizzly bear                   | Ursus arctos horribilis    | Threatened         | Endangered    |
| <input type="checkbox"/>            | Southern resident killer whale | Orcinus orca               | Endangered         | Endangered    |

**Where federal threatened and endangered species are found, all work will conform to the requirements of the Endangered Species Act administered by the US Fish and Wildlife Service and the National Marine Fisheries Service. Where state listed species or Priority Habitats and Species (PHS) are found, the Washington Department of Fish and Wildlife Priority Habitats and Species recommendations will be followed, when appropriate. The most current PHS list can be found at: <http://wdfw.wa.gov/conservation/phs/list/>.**

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

**The site is within the Pacific Flyway used by migratory waterfowl.**

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

**None known.**

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

**Project construction would occur primarily during the summer months when rainfall is minimal. This will minimize erosion and prevent sedimentation of surface waters that could adversely affect downstream fish and their habitat. Other timing restrictions would also be applied to in-stream project activities to coincide with the in-water work window for salmonids.**

## **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? Please describe whether it will be used for heating, manufacturing, etc.

**No energy sources are required post-construction.**

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, please 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:

**Not applicable.**

## **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, please describe.

**No potentially hazardous materials have been identified at or in the proximity to the 3 sites. Fuel and other construction equipment fluid spills could potentially occur during construction.**

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

**There is no known contamination at the 3 sites.**

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 or conditions in the vicinity that might affect the project. There is a Williams NW natural gas pipeline that runs east to west along the northern boundary of the City of Sultan, to the north of the project area.**

3. Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or any time during the operating life of the project.  
**No toxic or hazardous chemicals will be stored, used or produced during construction.**
4. Describe special emergency services that might be required.  
**No special emergency services will not be required.**
5. Proposed measures to reduce or control environmental health hazards, if any:  
**Spill control and cleanup materials would be staged on the project site. The crew leader or other designated person would have a spill control plan and be trained in spill prevention and cleanup. If any hazardous materials are discovered during project construction, they will be handled and disposed of according to adopted Washington state and local codes governing their disposal. All equipment would be well maintained and in good repair to prevent the loss of any petroleum products. Vehicle fueling and handling of other potential contaminants would occur more than 100 feet away from wetlands and streams.**

b. Noise:

1. What types of noise exist in the area which may affect your project (i.e., traffic, equipment, operation, aircraft, other)?  
**No types of 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 long-term basis (i.e., traffic, construction, operation, other)? Indicate what hours noise would come from the site.  
**During construction (short-term basis), there will be increased noise levels due to operation of heavy equipment. These noise levels are likely to exceed existing background noise levels associated with nearby residential properties. In the long-term, the completed project will not contribute to increased noise levels.**
3. Proposed measures to reduce or control noise impacts, if any:  
**Noise levels will not exceed applicable state and national standards. Construction will normally be limited to the hours between 7:00 a.m. and 5:00 p.m. Monday through Friday. Construction equipment will meet Occupational Safety and Health Administration (OSHA) and other applicable noise standards.**

## 8. Land and Shoreline Use

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

**All three sites are located in a rural area of farmland and rural residences. The project will not affect current land uses on nearby properties, but will improve access along Ben Howard Road and Mann Road during times of flooding.**

- b. Has the site been used as working farmlands or working forestlands? If so, please describe. How much agriculture or forestland 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 forestland tax status will be converted to non-farm or non-forest use?

**Ben Howard Road and Mann Road provide access to working farms in the area, and are bordered directly to the south by forested steep slopes. No agricultural or forest lands of long-term commercial significance will be converted to other uses as a result of the project.**

1. Will the proposal affect or be affected by surrounding working farmland or forestland's normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

**The project will not affect or be affected by any surrounding working farm or forest land's normal business operations.**

- c. Describe any structures on the site.

### Site A

**There is a drainage ditch near Wetland A that collects seep flow from the hillside and directs it through a driveway culvert toward Stream 1. A culvert conveys Stream 1 between Wetlands B and C under Ben Howard Road. There is a residence to the north of the site, and aerial lines belonging to two utility companies, Snohomish County PUD and Frontier Communications.**

### Site B

**There is a culvert to the east of Site B, on the west side of the intersection of Ben Howard Road and 311<sup>th</sup> Avenue SE, that conveys Stream 2 under the road. The stream then flows north to South Slough. The Groeneveld residence is south of the roadway. Snohomish County PUD has aerial lines at the site.**

### Site C

**There is an existing driveway culvert at the Miller residence and an existing culvert that conveys Stream 4 under Mann Road. There are several residences to the east of the site, and Snohomish County PUD has aerial lines here.**

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

**No structures would be demolished. Culverts will be replaced and utility poles relocated.**

**Site A**

**The two culverts at Site A will be replaced. It is anticipated that utilities here may need to be relocated.**

**Site B**

**The existing Stream 2 culvert near Site B will not be replaced. It is anticipated that utilities may need to be relocated when the new culvert is installed.**

**Site C**

**Two culverts at Site C will be replaced. It is anticipated that utilities here may need to be relocated when the new culverts are installed.**

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

**The project site locations have the following zoning designations:**

**Site A**

***A-10, Agriculture-10 acres.***

**Site B**

***A-10, Agriculture-10 acres.***

**Site C**

***A-10, Agriculture-10 acres; Forestry.***

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

**The project site locations have the following comprehensive plan designations:**

**Site A**

***Riverway Commercial Farmland; Low-Density Rural Residential (1 DU/20 acres).***

**Site B**

***Riverway Commercial Farmland.***

**Site C**

***Riverway Commercial Farmland; Commercial Forest-Forest Transition Area.***

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

**All three sites have the Resource shoreline designation.**

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

**Yes, the wetlands and streams and their buffers on the three sites are classified as critical areas according to Snohomish County Code 30.62A.**

- i. Approximately how many people would reside or work in the completed project?  
**Not applicable – the project is to replace or install culverts, and raise the road.**
- j. Approximately how many people would the completed project displace?  
**Not applicable - no people will be displaced.**
- k. Proposed measures to reduce or control impacts to nearby agricultural and forestlands of long-term commercial significance, if any:  
**The project will not impact agricultural or forest lands so no measures are proposed.**
- l. Proposed measures to ensure the proposal is compatible with existing projected land uses and plans, if any:  
**The project is consistent with the Snohomish County Growth Management Act Comprehensive Plan.**
- m. Proposed measures to avoid or reduce displacement, if any:  
**Not applicable.**

#### **9. Housing**

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.  
**Not applicable – housing is not a part of this project.**
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.  
**Not applicable.**
- c. Proposed measures to reduce or control housing impacts, if any:  
**None proposed.**

#### **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 only new or replaced above ground structures will be the guardrail.**
- b. What view in the immediate vicinity would be altered or obstructed?  
**The views at Site B and Site C will be altered in a minor way when the roadway elevation is raised by 4 feet and 6 feet, respectively. The roadway elevation will be raised by 2 feet at Site A.**
- c. Proposed measures to reduce or control aesthetic impacts, if any:  
**None proposed – trees and vegetation will be retained where possible.**

#### **11. Light and Glare**

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?  
**Not applicable.**

- 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?  
**No off-site sources of light or glare will affect the project.**
- d. Proposed measures to reduce or control light and glare impacts, if any?  
**None proposed.**

## 12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?  
**The project sites are located within the floodplain of the Skykomish River, which provides fishing and water-related recreational opportunities. There are several small parks in nearby Sultan.**
- b. Would the proposed project displace any existing recreation uses? If so, please describe.  
**No existing recreation uses will be displaced.**
- c. Proposed measures to reduce or control impacts on recreating, including recreation opportunities to be provided by the project or applicant, if any:  
**The project will not impact recreation so no measures are proposed.**

## 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 located on or near the site? If so, please general describe.  
**Just north of Site A at 30623 Ben Howard Road, there is a 3-bedroom residence that was built in 1910. South of Site B at 30928 Ben Howard Road, there is a 3-bedroom residence that was built in 1923. Neither building will be impacted by the project so they have not been evaluated for eligibility for listing on national, state or local preservation registers.**
- b. Are there any landmarks, features or other evidence of Tribal 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 cultural resources screening was conducted on August 29, 2017 by the Environmental Services section (ENVS) staff of Snohomish County Public Works using archaeological site GIS data provided to Snohomish County by the Washington Department of Archaeology and Historic Preservation (DAHP) as part of a data sharing agreement. The screening did not find any landmarks, features, or other evidence of Native American use or occupation located at any of the three project sites, including human burials or old cemeteries. However, one modern-era isolate recorded historic site was found approximately 0.4 mile west of the intersection of Ben Howard Road and 311<sup>th</sup> Avenue SE, near Site 2. The predictive model provided by**

**DAHP identified the project area located in an extensive river valley floodplain as high risk to very high risk for cultural resources.**

- c. Describe 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.

**In addition to the August 2017 archaeological screening by ENVS, the Snohomish County Cultural Resources Division (SCCRD) conducted a cultural resources survey of the project areas in November 2018 to identify any historic properties that may be impacted by the project. In the subsequent December 28, 2018 report documenting the archaeological reconnaissance and subsurface survey, the SCCR D did not identify any significant cultural resources and concluded there will be no effect on historic properties.**

- 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:

**Although no known archaeological sites are in close proximity to the project areas, there is a possibility that cultural resources could be present. If, during construction, cultural resources are found, work in that area will stop and the County's archaeologist will be brought in to examine them. A systematic collection of artifacts will be made, and the Washington Department of Archaeology and Historic Preservation will be contacted.**

#### **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.

**The project sites are located south of the City of Sultan and the Skykomish River. Ben Howard Road runs west to east and, after the intersection with 311<sup>th</sup> Avenue SE, becomes Mann Road. 311<sup>th</sup> Avenue SE runs north to south from Sultan to the project area.**

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

**No, the project sites are not served by public transit. Community Transit routes 207 and 271 run between Gold Bar and Everett on weekdays. The nearest transit stop is at the Sultan Park-and-Ride on US 2.**

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

**Not applicable – no parking spaces will be created or 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, please generally describe (indicate private or public).

**The project will increase the roadway elevation of Ben Howard Road and Mann Road at each site and install new and replacement culverts and the roadway surface will be repaved, and guardrail installed or replaced.**

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, please 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 or non-passenger vehicles). What data or transportation models were used to make these estimates?

**No new vehicular trips per day would be generated by the completed project.**

- 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, please generally describe.

**At this time, it is anticipated that the roadways within the project limits will be reduced to one travel lane, and will require traffic control. The one-lane closures will allow for the movement of agricultural and forest products.**

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

**Signage and flaggers will alert drivers to construction ahead during lane closures, and a temporary signal light will be placed at the sites.**

## 15. Public Services

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

**No, the project will not result in an increased need for public services.**

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

**No measures are proposed.**

## 16. Utilities

- a. Check all utilities currently available at the site:

- Electricity (**Snohomish County PUD**)
- Natural Gas
- Water – **properties have drinking water wells**
- Refuse Service
- Telephone (**Frontier Telecommunications**)
- Sanitary Sewer
- Septic System
- Other (please describe) [Click here to enter text.](#)

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

**Frontier has service lines and poles at Sites A and B, and Snohomish County PUD has lines and poles at all three sites. Poles will be relocated, if necessary, prior to start of construction.**

**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:** \_\_\_\_\_

**Printed name:** Julie Highton \_\_\_\_\_

**Position and Agency/Organization:** Snohomish County Public Works TES/ENVS