



## 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**

1. Name of proposed project, if applicable:  
**61<sup>st</sup> Pl. W. Culvert Improvement Project**
2. Name of applicant:  
**City of Mukilteo**
3. Address and phone number of applicant and contact person:  
**Connie Bowers  
Assistant City Engineer  
425-263-8080  
City of Mukilteo  
11930 Cyrus Way  
Mukilteo, WA 98275**
4. Date checklist prepared:  
**April 2, 2021**
5. Agency requesting checklist:  
**City of Mukilteo**
6. Proposed timing or schedule (including phasing, if applicable):  
**Construction in Summer - Fall 2021 or Summer – Fall 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.
  - **Subsurface Exploration & Geotechnical Assessment, April 2015**
  - **JARPA**
  - **Critical Areas Report**
  - **Biological Evaluation**
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.  
**Not aware of any other proposals in the project area**
10. List any government approvals or permits that will be needed for your proposal, if known.  
**Nationwide Permit / Corps of Engineers, Hydraulic Project Approval / Washington Department of Fish and Wildlife, Department of Ecology Construction Stormwater General Permit, Department of Archeology and Historic Preservation (DAHP) SEPA review, City of Mukilteo Engineering Permit and Critical Area Review 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.)

**The City of Mukilteo Public Works Department proposes to replace a 54-foot long, 24-inch diameter multi-sloped corrugated metal pipe culvert (a complete fish passage barrier), with a new 40-foot long, 8-foot wide, 6.8-foot tall box culvert. The existing culvert is located 650 feet upstream from the creek's outlet to Puget Sound. The applicant would reposition the culvert south of its original location, recreate 325 linear feet of stream channel (75 feet upstream and 250 feet downstream), and raise the existing road a maximum of 2 feet to accommodate the new culvert's size, the site's steep topography, and an existing 8-inch diameter sanitary sewer line running along the roadway under the existing culvert.**

**The existing culvert and portion of road directly over the culvert would be removed. A foundation for the new box culvert would be installed and the new concrete culvert placed on the foundation. Gabion wingwalls would be installed to reinforce the culvert ends and to support the raised roadway. The road would be rebuilt and paved, and traffic barriers on the downstream and upstream sides of the culvert would be installed. Concrete gutters and vegetated roadway ditches would be built along the roadways edges to manage roadway runoff. The work would be completed with an excavator, loader, paver, pin pile setter, dump trucks, and hand and power tools.**

**Areas of the stream bank and bed within 75 feet upstream and 250 feet downstream of the roadway would be stripped of their deleterious material, and imported streambed fill would be placed such that these portions of the stream are regraded to restore a historical stream channel grade and meandering alignment. The upstream reach would be graded to approximately 6%, the culvert to 7%, and the downstream reach to approximately 11% grade.**

**The proposed total area of disturbance is 17,100 square feet.**

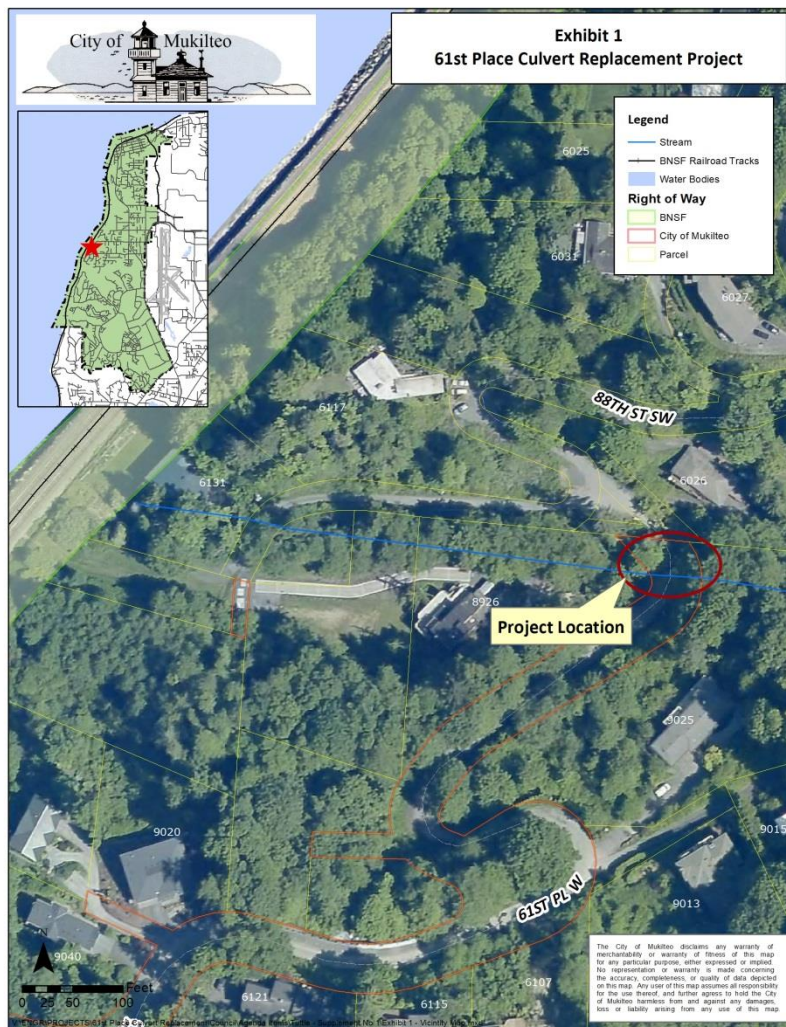
**The streambed would be lined with original and locally sourced streambed materials to a two-foot minimum and five-foot maximum depth. Boulders would be placed at the new culvert's inlet and outlet to control displacement of the streambed. Improvements would be matched to existing stream conditions on the upstream and downstream ends of the project area.**

**Upland areas would be improved with a mix of topsoil and streambed cobbles, as well as a coir mat. Plants would be installed in three zones: areas directly adjacent**

to the stream would be planted with willows, twinberry, and dogwood shrubs; areas farther from the stream would be planted with red alder, Douglas fir, western red cedar, salmonberry, and snowberry; sloped areas directly upstream of the road would be hydroseeded with grass and clover species.

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 location of the project is at the north end of 61st Place West at 88th Street SW in Mukilteo, WA 98275.



## B. Environmental Elements

## 1. **Earth**

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other **bottom of drainage ravine**

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

**Steepest slopes within the project area occurring naturally along the stream channel are 1.5:1 (67%).**

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.

**Loose/soft to medium stiff, silty fine sand and sandy silt.**

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

**Side slopes in the gulch / ravine have a history of being unstable.**

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.

**It is estimated that approximately 1,200 cubic yards (CY) of material will be cut from the stream channel, adjacent slopes and the road crossing.**

**Replacement fill material will originate from either a local commercial source, or from the material cut from the road or stream channel within the project area. The project will require:**

- **350 CY of roadway fill**
  - including gravel borrow, crushed surfacing, and asphalt
- **500 CY of light and heavy streambed material**
  - to raise the existing stream channel
- **250 CY upland area topsoil / cobbles mix**
  - to cover the existing stream channel
- **200 CY of structural stone and crushed rock**
  - to construct and support the box culvert and retaining walls

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

**During construction erosion control Best Management Practices will be in place to minimize erosion.**

**Longterm, the completed project is designed to reduce the amount of instream erosion / incision in the project area.**

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

**The proposed area of disturbance is 17,100 square feet. Once construction is complete, approximately 47% (8,100 square feet) is proposed to remain as impervious surface.**

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:  
**Approximately 750 cubic yards of material will be placed in the lower reach of the stream to raise the existing stream profile, stabilize existing stream banks, and provide roughness to reduce the erosive effects of stream flow velocities.**

**During construction erosion control measures such as silt fences, inlet protection and / or check dams will be installed to control erosion on the site.**

## **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 vehicles and equipment may produce a minimal increase in emissions.**
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.  
**No**
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:  
**At the preconstruction meeting City staff will request that the contractor minimize idling equipment on the job site.**

## **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.  
**Smuggler's Gulch Creek is a small stream which runs through the project area and the culvert proposed to be replaced. This small stream discharges into Puget Sound.**
  - 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.  
**Yes, the proposed project will improve the existing culvert and stream channel in Smuggler's Gulch Creek. See attached plans.**
  - 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.  
**Approximately 750 cubic yards of material will be placed in the surface water. This fill will occur on the lower reach of the stream to raise the existing stream profile, stabilize existing stream banks, and provide roughness to reduce the erosive effects of stream flow velocities.**

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.  
**The stream may need to be temporarily bypassed in the project location during construction of the new culvert.**

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:

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.  
**The stream may need to be temporarily bypassed in the project location during construction of the new culvert. (and will be discharged back in to the stream channel)**

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.  
**None**

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.  
**Existing storm water sheet flows off the road into adjacent drainage ditches. This project will not contribute any increase in storm water runoff.**

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.  
**The stream may need to be temporarily bypassed in the project location during construction of the new culvert.**

**Modifications to the stream channel will be made to decrease bank erosion and increase fish habitat.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage

pattern impacts, if any:

**During construction temporary erosion control and Best Management Practices will be used following the stormwater manual currently adopted by the City.**

**Modifications to the stream channel are designed to decrease bank erosion and increase fish habitat.**

**4. Plants**

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

- Deciduous trees:  Alder  Maple  Aspen  Other:
- Evergreen trees:  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?

**Trees identified with a note 1 or 2 on sheets C5 and C6 of the plans, as summarized below. Various low growth vegetation in the project area.**

Tree Type	Diameter	Quantity
Alder	10"	1
Alder	12"	5
Alder	14"	4
Alder	16"	4
Alder grouping	8" -16"	6
Alder	24"	2
Maple	8"	1
Maple	10"	2
Maple	14"	1
Maple	16"	1
Maple	24"	1
Maple	30"	1
Maple	48"	1



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

**None**

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

**Restoration / mitigation plan for stream habitat area developed in accordance with Mukilteo Municipal Code 17.52C. See plan sheets P1 – P3.**

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

**None**

**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
- Other Birds: \_\_\_\_\_
- Mammals:  Deer    Bear    Elk    Beaver    Other \_\_\_\_\_
- Fish:  Bass    Salmon    Trout    Herring    Shellfish
- Other Fish \_\_\_\_\_

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.

**The City is part of the migratory bird Pacific Flyway, the project area is not known to be a stop off point.**

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

**One of the primary purposes of the project is to increase fish habitat. Modifications to the culvert, the stream channel, the side slopes, and plantings are proposed.**

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

**None**

**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.

**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:

**None**

## **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.

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

**None**

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.

**None**

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 use of construction vehicles and equipment can potentially lead to accidental spills of hydraulic fluids, diesel fuels and gasoline.**

4) Describe special emergency services that might be required.

**None**

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

**The City contract requirements include a spill prevention plan be submitted to the City by the hired Contractor prior to construction commencing**

b. *Noise*

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

**None**

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 / during construction: construction vehicles and equipment.  
Operations will be 7 AM to 6 PM Monday through Friday excluding holidays.**

**Long Term: No noise increases are expected or proposed.**

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

**Muffled construction equipment.**

## **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.

**Current use of the project site is a public street, culvert, private neighborhood street and residential property (yards).**

**Adjacent properties are private single family residences.**

**The project will not affect land uses on nearby or adjacent properties.**

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**

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

**No**

c. Describe any structures on the site.

**Public and private streets, culvert**

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

**Yes, a section of the existing public street and the associated culvert. A new culvert will be installed and the street will be rebuilt.**

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

**Public right-of-way and RD 12.5 Single Family Residential**

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

**Public right-of-way and Single Family Residential – Low Density.**

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

**Urban Conservancy – Smugglers Gulch Creek**

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

**Yes, Smugglers Gulch Creek has been identified as a Project Analysis Unit basin and a Geotech report zone**

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

**None**

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

**None**

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

**Not applicable**

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

**Not applicable**

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

**Not applicable**

## **9. Housing**

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:

**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?

**Not applicable**

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

**Views of the stream and adjacent plants will be altered**

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

**The streambank will be rebuilt and the surrounding area replanted**

## **11. Light and Glare**

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

**No permanent light or glare will be produced.**

**During construction lights may be used, if needed, during construction hours. Operations will be 7 AM to 6 PM Monday through Friday excluding holidays.**

- 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:  
**Lights will be directed at construction work and efforts will be made to shield their view from adjacent residences.**

### **12. Recreation**

- a. What designated and informal recreational opportunities are in the immediate vicinity?  
**None**
- b. Would the proposed project displace any existing recreational uses? If so, describe.  
**No**
- 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.  
**None**
- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.  
**None**
- 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.  
**Review of the DAHP WisAARD online map. During project development there were meetings with tribal representatives. However, those discussions focused on the design aspects.**

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.

**If during construction any evidence of archeological or historic resources are found, all work will be stopped and a qualified professional will be consulted. DAHP and affected tribes will be contacted and consulted with to determine the correct course of action to be taken.**

#### **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 proposed site is served by 61st Place West, a public local-access road that turns into a 88<sup>th</sup> St SW (private) just north of the project site.**

**During construction a portion of these streets will be closed to traffic. A communication plan will provide advance notice to residents and emergency services. Note that driveways will still be accessible:**

<u>Driveway location</u>	<u>Street Access</u>
Off of 88 <sup>th</sup> St SW (private)	via 88 <sup>th</sup> St (private)
Off of 61 <sup>st</sup> PI W	via 61 <sup>st</sup> PI W

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?

**No. The closest transit stop is approximately 1.2 miles away on SR 525.**

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

**None**

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).

**The public street section will be rebuilt at a higher elevation to accommodate the new culvert. The approach to the private street section will be modified to tie into the public street height. New traffic barriers will be installed to accommodate grade changes.**

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?

**No additional trips will be generated by the project. 61<sup>st</sup> PI W will continue to serve its current volume of traffic.**

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:

**Not applicable**

**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.

**No**

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

**A communication plan will provide advance notice to emergency services of street closures.**

**16. Utilities**

a. Check utilities currently available at the site:

- Electricity
- Natural Gas
- Water
- Refuse Service
- Telephone
- Sanitary Sewer
- Septic System
- Other \_\_\_\_\_

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.

**No new utilities are proposed.**

**The City is coordinating with the Mukilteo Water & Wastewater District to replace an existing sewer main under the existing culvert as part of the project.**

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

Name of signee \_\_\_\_\_

Position and Agency/Organization \_\_\_\_\_

Date Submitted: \_\_\_\_\_