



Gray & Osborne, Inc.
CONSULTING ENGINEERS

DATE: October 22, 2010

TO: City of Sumner

ATTN: Rebecca Coleman

1104 Maple Street

Permit Specialist

Sumner, WA 98390

FROM: Mike Johnson, P.E.

SUBJECT: City of Puyallup - Bridge Street Bridge Water Main Seismic Upgrades

WE ARE TRANSMITTING:

THE FOLLOWING:

FOR:

- Herewith
- Under Separate Cover

- Prints
- Construction Drawings
- Specifications
- Shop Drawings
- Change Order
- Legal Description
- Letters
- See Below

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COMMENTS

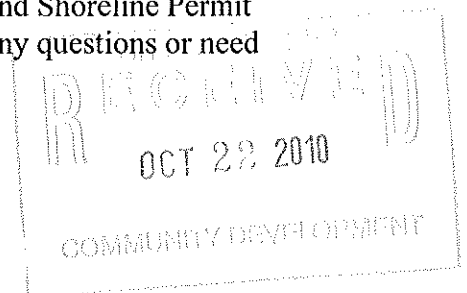
Ms. Coleman,

The City of Puyallup is in the process of designing seismic upgrades to its existing 16-inch diameter water main that crosses the Stuck River on the Bridge Street Bridge. The project will consist of adding additional seismic pipe fittings, pipe supports and pipe insulation to the existing water main. The City is requesting a Shoreline Permit Exemption for this work based on the provisions in WAC 173-27-040 (2)(b) for normal maintenance and repair of existing structures or developments. Attached are SEPA application materials and Shoreline Permit application materials. Please contact me at 360-292-7481 if you have any questions or need additional information.

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WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

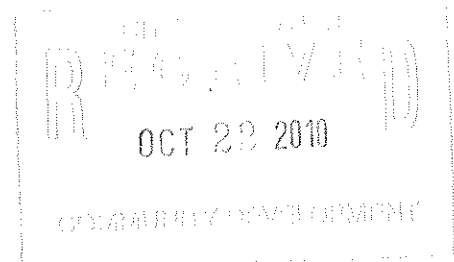
Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

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.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.



Rev 1 1/4 PLN 2010-00047

A. BACKGROUND

1. Name of proposed project, if applicable:

Water and Sanitary Sewer Systems Seismic Upgrades

2. Name of applicant: *City of Puyallup Public Works Department*

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

*Syed Zaidi, P.E., CIP Engineer (253) 841-5579
City of Puyallup
City Hall
333 S. Meridian
Puyallup, WA 98371*

4. Date checklist prepared: *October 2010*

5. Agency requesting checklist: *City of Sumner*

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

Construction January and February 2011

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. *None.*

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. *None.*

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. *None.*

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

SEPA Checklist

Shoreline Permit or Exemption

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 Puyallup plans to construct seismic upgrades to an existing 16" water main hanging from the Bridge Street Bridge across the Stuck River. Upgrades will include installation of fittings, pipe supports, and braces to reduce the risk of damage to the pipelines during a seismic event.

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.

Bridge Street Bridge across the Stuck River in Sumner, WA - Section 24 Township 20N and Range 4E

B. ENVIRONMENTAL ELEMENTS

1. Earth

- 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)? *50%*
- 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 prime farmland.

NRCS/USGS Soil Maps for Pierce County indicate that the following soils are present in the project vicinity: Puyallup Fine Sand Loam, Sultan Silt Loam and Pitchuck Fine Sand.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. *No.*
- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill. *None.*
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. *N/A.*
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *N/A. No new impervious surface planned.*
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: *N/A.*

2. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Exhaust emissions from equipment, both diesel and gas operated, may occur during construction.

- 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 construction contract will include provisions for dust control during construction.

3. Water

a. Surface:

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

The Bridge Street Bridge crosses the Stuck River (White River).

- 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. Pipe fittings and pipe supports and braces will be installed on the existing pipe lines. Construction equipment will be staged from below the bridge where possible. Any work done over the water will be staged from above the bridge.

- 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. *Yes. The bridges cross areas within the 100-year floodplain.*

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. *No.*

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? 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. *N/A*.

2) Could waste materials enter ground or surface waters? If so, generally describe. *No*.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any: *N/A*.

4. Plants

a. Check or circle 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

_____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

_____ water plants: water lily, eelgrass, milfoil, other

_____ other types of vegetation

b. What kind and amount of vegetation will be removed or altered? *None*.

c. List threatened or 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: *N/A*.

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other:

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

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

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

Species in the vicinity of the project sites listed as threatened under the authority of the Endangered Species Act include:

Puget Sound chinook salmon

Puget Sound bull trout

Puget Sound steelhead

These species are all present in the Stuck (White) River. Marbled murrelets nesting in old growth areas to the east may fly through the project site at times, but they should be able to avoid particularly noisy construction activities.

- c. Is the site part of a migration route? If so, explain. *No.*
- d. Proposed measures to preserve or enhance wildlife, if any: *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. *N/A.*
- 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. *No.*

1) Describe special emergency services that might be required. *N/A.*

2) Proposed measures to reduce or control environmental health hazards, if any: *N/A.*

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.

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. unless otherwise approved by the City.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties?

Current land use of the site is the bridge crossing the Stuck River.

b. Has the site been used for agriculture? If so, describe. *No.*

c. Describe any structures on the site.

The Bridge Street Bridge site across the Stuck River has a 360-foot, five span bridge with steel through truss main span and reinforced concrete girder approach spans.

d. Will any structures be demolished? If so, what? *No.*

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

The Bridge Street Bridge and surrounding area are zoned as general commercial and mixed use development.

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

The Bridge Street Bridge and surrounding area have a comprehensive plan designation of commercial and mixed use development.

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

The Bridge Street Bridge shoreline master plan designation is urban conservancy (200-foot setback) on the northeast side of the bridge.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. *No.*

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: *N/A*

7. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: *N/A*.

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: *N/A*.

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? *N/A*.
- b. What views in the immediate vicinity would be altered or obstructed? *None*.
- c. Proposed measures to reduce or control aesthetic impacts, if any: *N/A*

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? *None*.
- 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: *N/A*.

12. Recreation

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

The Stuck (White) River is located in the project area and provides for boating and fishing activities.

- 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: *None*.

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe. *None.*
- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. *None.*
- c. Proposed measures to reduce or control impacts, if any: *N/A.*

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Bridge Street crosses the Bridge Street Bridge in Sumner. On the west side of the bridge it intersects with Valley Ave E. and Pacific Ave. On the east side of the bridge it intersects with Traffic Street.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? *Yes.*
- c. How many parking spaces would the completed project have? How many would the project eliminate? *N/A.*
- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). *No.*
- e. Will the project 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? If known, indicate when peak volumes would occur. *None.*
- g. Proposed measures to reduce or control transportation impacts, if any:

Most work will take place below the bridges and will not impact traffic. For some construction work, one lane of traffic may need to be closed temporarily.

15. Public services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe. *No.*
- b. Proposed measures to reduce or control direct impacts on public services, if any. *N/A.*

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

There are no proposed utilities for this project. The existing water main will be modified with seismic upgrades.

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: Speda A. Kaidi / CITY OF PUYALLUP

Date Submitted: 10.20.2010