



28th Avenue NW Street End Improvement Project Seattle, Washington

SEPA Checklist

May 9, 2014

STATE ENVIRONMENTAL POLICY ACT (SEPA) ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of proposed project, if applicable:

28th Avenue NW Street End Improvement Project

2. Name of applicant:

City of Seattle Department of Transportation (SDOT)

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

Name: Jennifer Wieland, Shoreline Street Ends Program Manager
Address: P.O. Box 34996
Seattle, WA 98124-4996
Phone Number: (206) 733-9970

4. Date checklist prepared:

May 9, 2014

5. Agency requesting checklist:

SDOT

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

All construction will take approximately 30 days to complete. SDOT anticipates that upland construction (all work landward of ordinary high water mark (OHWM), which includes landscaping and parking improvements) will take place in the summer (August or September), once environmental approvals and permits are in place. Upland work will last approximately two weeks. All work waterward of OHWM will take place in October to comply with the Lake Washington Ship Canal in-water work window. In-water work is anticipated to last approximately two weeks.

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

There are no known plans for future additions, expansions, or further activity related to this proposal.

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

A Joint Aquatic Resources Permit Application (JARPA) has been prepared for submittal to regulatory agencies to obtain permission to conduct the in-water work. As part of the JARPA application an analysis of potential impacts to threatened and endangered fish species was

prepared using the Seattle Biological Evaluation (City of Seattle). Please see question B.5 for more detail.

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

There are no known applications pending for government approvals of other proposals directly affecting property covered by the proposed project.

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

- Washington Department of Fish and Wildlife (WDFW) Hydraulic Project Approval (HPA)
- Washington Department of Ecology (Ecology) Section 401 Water Quality Certification
- U.S. Army Corps of Engineers (USACE) Nationwide Permit
- Seattle Department of Planning and Development (DPD) Shoreline 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.)

Seattle has 149 public streets that end on waterfronts. These “shoreline street ends” are precious community assets designated by the City of Seattle (City Resolution 29370, adopted in September 1996) as special rights-of-way that should be preserved and improved for public use. Though some street ends have been opened for public use, nearly two-thirds are unmarked, overgrown, or have private encroachments. Partnering with local residents and community groups, SDOT intends to improve these hidden spots to provide the public with increased waterfront access and enjoyment. In 2008, SDOT conducted an extensive review of its Shoreline Street Ends Program and, in consultation with Friends of Street Ends (FOSE), drafted a work plan to help SDOT achieve the following goals:

- Improve shoreline access and enjoyment;
- Protect views and enhance shoreline habitat;
- Encourage community stewardship;
- Support maritime industry; and
- Manage private permits

The 28th Avenue NW Street End Improvement Project includes both ecological and recreational improvements to the project area, which will enhance fish habitat and provide seating and a kayak launch to allow for active and passive recreating on the site. The project will also replace an existing ecology block bulkhead with a polyvinyl chloride (PVC) sheet pile bulkhead.

- 12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

The project site is located in the Ballard neighborhood of Seattle, at the end of 28th Avenue NW, south of its intersection with NW 54th Street, on the shore of Salmon Bay in the Lake Washington Ship Canal (Section 11, Township 25N, Range 03E).

B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site:** *[Check the applicable boxes]*

Flat Rolling Hilly Steep Slopes Mountainous
 Other: (identify)

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

There are no steep slopes located on the project site.

- 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.**

According to *The Geologic Map of Seattle—a Progress Report* by Kathy Goetz Troost, Derek B. Booth, Aaron P. Wisher, and Scott A. Shimel (2005), the project area soils consist of artificial fill underlain by Vashon subglacial till.

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

There are no surface indications or history of unstable soils in the immediate vicinity of the project area.

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate the source of fill.**

Approximately 2.4 cubic yards of quarry spall will be placed landward of the newly installed PVC sheet pile bulkhead. Approximately 8 cubic yards of compost/mulch and approximately 8 cubic yards of topsoil will be installed adjacent to the Lake Washington Ship Canal, landward of OHWM, to support the shoreline vegetation plantings. Compost, mulch, and topsoil will cover an area of approximately 675 square feet. Compost, mulch, and topsoil will be installed using a track hoe and by hand.

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

Disturbed areas of the site could be susceptible to erosion. However, appropriate best management practices (BMPs) will be implemented to ensure that erosion is minimized.

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

Impervious surfaces in the project area include the paved parking area and a concrete pad, which constitutes approximately 30 percent of the site. The amount of impervious surfaces will remain the same following project construction.

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

SDOT will implement BMPs to contain loose material during construction, in accordance with the City's Standard Specifications for Road, Bridge, and Municipal Construction, along with the Seattle Stormwater Code.

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.**

During construction, there will be dust and exhaust emissions from construction equipment. The project will not result in new air emissions after completion.

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

There are no off-site sources of emissions or odor that would affect the proposed project.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:**

During construction, impacts to air quality will be reduced and controlled through implementation of standard state and local emission control criteria, in accordance with the City's Standard Specifications for Road, Bridge, and Municipal Construction. The City's Standard Specifications require that contractors maintain air quality to comply with the National Emission Standards for Hazardous Air Pollutants and National Ambient Air Quality Standards.

Reducing air quality impacts during construction could involve such measures as spraying areas of exposed soil with water for dust control, periodically cleaning the street in the construction zone, and minimizing vehicle and equipment idling to limit exhaust emissions.

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.**

Yes, the project location is adjacent to and partially within Salmon Bay on the Lake Washington Ship Canal, which connects Lake Washington to Puget Sound. The project location is east of the Hiram M. Chittenden Locks, and is located where the Lake Washington Ship Canal contains fresh water.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

Yes, the project will require work in the Lake Washington Ship Canal.

- 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.**

Spawning gravel mix (approximately 8 cubic yards) will be installed in the Lake Washington Ship Canal, along a length of approximately 66 feet of the shoreline, to a width of an average of 10 feet. Gravel mix will be installed using a track hoe. Up to 2 cubic yards of gravel for annual shoreline maintenance will be installed by hand as needed in the Lake Washington Ship Canal waterward of the OHWM.

Approximately 15 cubic yards of angular rock and debris covering an area of 125 square feet will be removed from waterward of the OHWM in the Lake Washington Ship Canal to accommodate installation of the new PVC sheet pile bulkhead, and to maximize water depth where the bulkhead meets the water to accommodate kayak launching.

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

The project will not require surface water withdrawals or diversions.

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

No, the project is not located within a 100-year floodplain.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

The project will not discharge waste materials to surface waters.

b. Ground:

1) Will ground water 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 project does not involve withdrawals from wells or discharges to groundwater.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals . . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

The project will not discharge waste material.

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.

Stormwater waterward of the paved area flows directly into the Lake Washington Ship Canal. Stormwater in the paved portions of the project area is conveyed to the Lake Washington Ship Canal via a Seattle Public Utilities (SPU) drainage mainline. There is an outfall for this SPU drainage mainline as well as an SPU sanitary main in the project area.

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

During construction, there is a small potential that waste materials (e.g. oil and grease) from construction equipment could enter runoff from the site and could enter groundwater through the soil or surface waters. However, BMPs will be implemented to ensure that waste materials do not enter ground or surface waters. Waste materials would not enter ground or surface waters after the project is complete.

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

The proposal does not alter or otherwise affect drainage patterns in the vicinity of the site.

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

BMPs will be implemented to control stormwater runoff onto and from the site in accordance with the City's Standard Specifications for Road, Bridge, and Municipal Construction and the Seattle Stormwater Code. The contractor will be required to submit and follow a Stormwater Pollution Prevention Plan (SWPPP), and comply with the NPDES Construction Stormwater General Permit.

For example, prior to clearing and grading activities, a silt fence will be installed on upland areas to prevent sediment or other materials from entering the water. A catch basin located on the project site that drains to the ship canal will be fitted with a geotextile insert to catch sediment and other debris that enters the catch basin during construction. Prior to in-water work starting, a sediment curtain and containment boom will be installed waterward (at a distance of 20 feet from the shoreline) of project work to contain any turbidity that would result during removal of the ecology block bulkhead, installation of the PVC sheet pile bulkhead, and during construction and installation of wood logs, boulders, emergent plantings, and spawning gravel.

4. Plants

a. Types of vegetation found on the site: [Check the applicable boxes]

- | | | | | |
|--|-------------------------------------|---|----------------------------------|--|
| <input checked="" type="checkbox"/> Deciduous trees: | <input type="checkbox"/> Alder | <input checked="" type="checkbox"/> Maple | <input type="checkbox"/> Aspen | <input type="checkbox"/> Other: (identify) |
| <input type="checkbox"/> Evergreen trees: | <input type="checkbox"/> Fir | <input type="checkbox"/> Cedar | <input type="checkbox"/> Pine | <input type="checkbox"/> Other: (identify) |
| <input checked="" type="checkbox"/> Shrubs | | | | |
| <input checked="" type="checkbox"/> Grass | | | | |
| <input type="checkbox"/> Pasture | | | | |
| <input type="checkbox"/> Crop or grain | | | | |
| <input type="checkbox"/> Orchards, vineyards, or other permanent crops | | | | |
| <input checked="" type="checkbox"/> Wet soil plants: | <input type="checkbox"/> Cattail | <input type="checkbox"/> Buttercup | <input type="checkbox"/> Bulrush | <input type="checkbox"/> Skunk cabbage |
| <input type="checkbox"/> Other: (identify) | | | | |
| <input checked="" type="checkbox"/> Water plants: | <input type="checkbox"/> water lily | <input type="checkbox"/> eelgrass | <input type="checkbox"/> milfoil | <input type="checkbox"/> Other: (identify) |
| <input type="checkbox"/> Other types of vegetation: (identify) | | | | |

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

Vegetation on the site that will be removed includes various perennials and invasive species such as morning glory, smartweed, yellow flag iris, mint, and tomato plants, plus two young *Acer mac.* trees and several *Ribes sanguineum*.

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

There are no threatened or endangered plant species known to be on or near the site.

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

One of the goals of the proposed project is to enhance vegetation and habitat at the site. Native vegetation was selected for the proposed landscaping plan.

The proposed landscaping includes three Shore Pine trees (*Pinus Contortata* var. *contortata*); shrubs (Vine Maple (*Acer circinatum*), Redosier Dogwood (*Cornus sericea*), Salal (*Gaultheria shallon*), Bald Hip Rose (*Rosa gymnocarpa*); perennials/groundcovers (Tufted Hairgrass (*Deschampsia cespitosa*), Oregon Sunshine (*Eriophyllum lanatum*), and Low Oregon Grape (*Mahonia nervosa*)); and emergents (Spikerush (*Eleocharis palustris*), Dagger-leaved Rush (*Juncus ensifolius*), Small-fruited Bulrush (*Scirpus microcarpus*), and Hard-stem Bulrush (*Scirpus lacustris*)).

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

Invasive species known to be on the site include morning glory, smartweed, yellow flag iris, mint, and tomato plants. There are no known noxious weeds on the project site.

5. Animals

a. Birds and animals which have been observed on or near the site or are known to be on or near the site: [Check the applicable boxes]

Birds: Hawk Heron Eagle Songbirds
 Other: Crows, pigeons, doves, starlings, gulls, and house sparrows are common urban species that could occur in the project area

Mammals: Deer Bear Elk Beaver
 Other: Rodents, including rats, mice, and squirrels, and raccoons are common urban species that could occur in the project area

Fish: Bass Salmon Trout Herring
 Shellfish Other: (identify)

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

Chinook Salmon (*Oncorhynchus tshawytscha*), Steelhead Salmon (*Oncorhynchus mykiss*), and Bull Trout (*Salvelinus confluentus*) are known to migrate through the Lake Washington Ship Canal and the project area.

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

Chinook Salmon, Steelhead Salmon, and Bull Trout are all known to migrate through the Lake Washington Ship Canal and the project location. The project is also within a principal

route of the North American Pacific Flyway, a migratory route for bird species. However, this project does not alter or remove any habitat that would affect migrating birds.

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

The project will require a permit from the U.S. Army Corps of Engineers, and will therefore require compliance with Section 7 of the Endangered Species Act (ESA). SDOT will satisfy requirements of the ESA through application of the Seattle Biological Evaluation (SBE), and will implement all appropriate conservation measures and BMPs as recommended by the SBE. Such measures include performing all in-water work during the Lake Washington Ship Canal in-water work window, and isolating the construction area from the surrounding waters using a sediment curtain during in-water work.

The project includes native plantings, spawning gravel mix, and other habitat enhancing features as part of its design. Overall, the project is expected to result in a beneficial impact to wildlife species in the project area.

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

While several of the urban-dwelling animal species that may be found in the project area are introduced, non-native species (pigeons, starlings, house sparrows, rats, and squirrels, for example), the proposed project is not expected to have impacts to any animal species.

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.

The completed project will not have energy needs.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

The project does not involve building structures that would block access to the sun for adjacent properties. All plantings that are planned as part of the project are not of a significant height to affect potential use of solar energy by adjacent properties.

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. Because the project will not require energy, no energy conservation features are included.

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.**

Potentially hazardous materials likely to be present during construction include gasoline and diesel fuels, hydraulic fluids, oils, lubricants, solvents, paints, and other chemical products. A spill of one of these substances could occur during construction as a result of either equipment failure or worker error.

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

There is no known contamination at the site from present or past uses.

- 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 existing hazardous chemicals or conditions that might affect project development and design.

- 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.**

Potentially hazardous materials likely to be present during construction include gasoline and diesel fuels, hydraulic fluids, oils, lubricants, solvents, paints, and other chemical products.

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

Special emergency fire or medic services will not be required during construction or maintenance of the completed project.

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

A Health and Safety Plan will be submitted by the construction contractor before work commences. This plan will provide information on any toxic substances that may be associated with the project and outline safe procedures for handling any of these substances.

A Spill Plan will be developed to control spills on site. Any contaminated materials that are encountered during construction will be contained and disposed of in a manner consistent with the level of contamination, in accordance with federal, state and local regulatory requirements, by a qualified contractor(s) and/or City staff.

b. Noise

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

There are no sources of noise that would affect the project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Noise levels in the vicinity of construction would temporarily increase during construction activities. Noise levels within 50 feet of construction equipment may exceed 90 dB for short periods of time. However, short-term noise from construction equipment will be limited to the allowable maximum levels specified in the City of Seattle's Noise Control Ordinance (SMC 25.08.425 – Construction and equipment operations).

Noise from construction equipment will occur between the hours of 7 am and 10 pm weekdays, and 9 am to 10 pm on the weekends during construction. If there is a need for work outside these times to minimize traffic impacts, the project will request a noise variance permit to allow some construction work at night.

After completion of the project, occasional noise from equipment used for on-going routine maintenance and repair will occur, but would be limited to 7 am to 10 pm weekdays and 9 am to 10 pm weekends.

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

SMC 25.08.425, which prescribes limits to noise and construction activities, will be fully enforced while the project is under construction.

The following measures could be used to minimize noise impacts during construction:

- Whenever possible, operation of heavy equipment and other noisy activities will be limited to non-sleeping hours.
- Effective mufflers will be installed and maintained on equipment.
- Equipment and vehicle staging areas will be located as far from residential areas as possible.
- Idling of power equipment will be minimized.

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.

The project site is currently used as parking, and informally for recreation. The site offers views of Salmon Bay and the Lake Washington Ship Canal, and kayakers use it informally

as a launch point. Properties adjacent to the site are used commercially as office spaces and marinas.

- b. Has the 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 non-forest use?**

No, the site has not been used as working farmlands or forest lands.

- 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, the project is in an urban environment and there are no working farms or forest lands located near the project.

- c. Describe any structures on the site.**

Structures on the site include a concrete pad and wood bollards.

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

The wood bollards will be removed.

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

The project area is zoned as Industrial General.

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

The project area is designated as an industrial area. This designation is from the Future Land Use Map (updated May 2013) in the current City of Seattle Comprehensive Plan, *Toward a Sustainable Seattle 2005*.

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

The project area is in the Urban Industrial shoreline environment.

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

The project is in a shoreline habitat Environmentally Critical Area (ECA).

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

No people will work or reside in the completed project.

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

The completed project will not displace any people.

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

Not applicable, the project will not result in any displacements.

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

The project does not propose any changes to existing land uses.

m. Proposed measures to ensure that the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

Not applicable. There are no agricultural or forest lands of long-term commercial significance in the vicinity of the project.

9. Housing

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

The project does not involve the construction of housing units.

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

The project does not involve the elimination of housing units.

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

The project will not impact housing.

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 tallest proposed structure is the bike rack, which will be approximately 2-3 feet in height. Other elements of project construction include boulders and wood logs, which will be installed both for habitat enhancement and to provide seating.

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

The project is designed to improve the aesthetics of the street end, to provide a place for individuals to view the water, and to enhance habitat for fish and other wildlife. The project is designed to have a positive impact on views in the immediate vicinity.

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

The project is expected to benefit the aesthetics of the project location, so no mitigating measures are proposed.

11. Light and glare

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

The proposed project does not include any lighting.

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

The proposed project does not include any lighting that could be a safety hazard or interfere with views.

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

There are no existing off-site sources of glare that would affect the proposed project.

d. Proposed measures to reduce or control light and glare impacts, if any:

As no impacts on light or glare are anticipated, no mitigation is proposed.

12. Recreation

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

The project site itself serves as informal access to Salmon Bay and the Lake Washington Ship Canal for kayakers who use the existing ecology block bulkhead as a launch. The project site is also located in the vicinity of the Burke-Gilman Trail, a recreational trail for walkers, runners, cyclists, and skaters. The trail has an end point at NW 54th Street just east of 32nd Avenue NW.

The project site is also located near the Hiram M. Chittenden Locks and the Carl S. English, Jr. Botanical Garden, which are destinations for nature viewing and for views of the Lake Washington Ship Canal.

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

The project is designed to accommodate passive and active recreation at the project site. Project elements include improvements to the bulkhead to serve as a kayak launch, installation of bike racks to accommodate access, and installation of seating in the form of boulders and logs to allow visitors to view the water.

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

The project is expected to result in a beneficial recreational impact, so no mitigation is proposed.

13. Historic and cultural preservation

a. Are there any buildings, structures, or sites located on or near the project site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

There are no sites listed or proposed for listing on the National Register of Historic Places within the project area. The project site is located adjacent to the Chittenden Locks and Lake Washington Ship Canal Historic Register District. The project location is outside the City of Seattle Ballard Landmark District. Several properties aged 45 years and older are located in the vicinity of the project site. These structures have not necessarily been evaluated to determine their historic character.

b. Are there any landmarks, features, or other evidence of Indian or historic use of 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.

There are no landmarks, features, or other evidence of Indian or historic use or occupation of the project site. There is no material evidence, artifacts, or areas of cultural importance on or near the site.

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 Archaeology and Historic Preservation, archaeological surveys, historic maps, GIS data, etc.

The Department of Archaeology and Historic Preservation's (DAHP) Washington Information Systems for Architectural and Archaeological Records Data (WISAARD) online database was reviewed to determine the presence of any NRHP-listed or eligible properties (including heritage barns and register districts) and historic aged properties in the project area. The City of Seattle's online list of landmarks and nominations was consulted to determine if any current or nominated city landmarks are located within the project area. Field reconnaissance was performed to determine if any landmarks, markers, or cemeteries were present in the project area.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance of resources. Please include plans for the above and any permits that may be required.

No impacts to cultural resources are expected; therefore, no mitigating measures are proposed. The project will not alter any structures, and will not require excavations. No

impacts to landmarks or cultural resources are anticipated to result from the proposed project.

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 location consists of the right-of-way of the 28th Avenue NW street end. The project site is served by 28th Avenue NW, a north-south running street connecting the Ballard neighborhood of Seattle with neighborhoods to the north. NW Market Street is located approximately 0.1 mile north of the project site, and is a minor arterial running east-west.

The project site is located in between two endpoints of the Burke-Gilman Trail. The trail has an endpoint at NW 54th Street just east of 32nd Avenue NW, and on NW 54th Street at 11th Avenue NW. The trail runs from Golden Gardens Park in the west to the City of Kenmore in the east, and offers access for cyclists, pedestrians, runners, and other users.

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

The site is not served directly by public transit. The nearest stop to the project area is located at the intersection of 28th Avenue NW and NW Market Street, approximately 0.1 mile north of the project site.

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

The project area currently has three designated parking spaces, with other space that is used informally for parking. The three allocated spaces will remain, but may be designated as time-limited to discourage overnight camping. Signs will be put in place to prevent parking in the informal spaces, which is necessary to prevent blocking emergency access to an adjacent business's driveway.

- 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 project will improve a public street end, and will not require new roads or streets.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.**

The project will not impact water, rail, or air transportation.

- 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 non-passenger vehicles). What data or transportation models were used to make these estimates?**

The project will not generate vehicular trips.

- g. Will the proposal interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.**

The project will not impact the movement of agricultural products on roads or streets in the area.

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

The project is not expected to impact transportation; therefore, no mitigating measures are included.

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, 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.**

The project will not result in impacts to public services; therefore, no mitigating measures are proposed.

16. Utilities

- a. Utilities currently available at the site, if any: [Check the applicable boxes]**

- None
 Electricity Natural gas Water Refuse service
 Telephone Sanitary sewer Septic system
 Other (identify)

All of the above utilities are available at adjacent properties.

- 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.**

The project does not propose or require any utilities.

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: Jennifer Wieland
Jennifer Wieland, Shoreline Street Ends Program Manager

Date Submitted: May 9, 2014

Prepared by: Jill Macik
Jill Macik, Associate Environmental Analyst