

**SEPA DETERMINATION OF NON-SIGNIFICANCE (DNS)
SEATTLE DEPARTMENT OF TRANSPORTATION
WEST DUWAMISH TRAIL (PORTLAND STREET) PROJECT**

Description of proposal: The West Duwamish Trail Extension (Portland Street) project will provide a three block connection from the existing portion of the West Duwamish Trail to the Duwamish River. The project will include construction of a new mixed use trail as well as numerous street and drainage improvements. A retaining wall will be built along West Marginal Way South to support the trail in this location.

Proponent: City of Seattle, Department of Transportation (SDOT)
Seattle Municipal Tower
700 Fifth Ave, Suite 3900
P.O. Box 34966
Seattle, WA 98124-4996

Location of proposal: The project is located in the South Park neighborhood of the City of Seattle along S Portland St between West Marginal Way South and Eighth Ave. South. A portion of the project is located within the right-of-way of West Marginal Way South between South Holden St. and South Portland St.

Lead Agency: SDOT

SDOT has determined that this proposal would not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information may be examined in the Seattle Department of Planning and Development Public Resource Center at 700 Fifth Ave, Suite 2000, Seattle, WA, 98124. Documents are also at the Seattle Central Library at 1000 Fourth Ave., Seattle 98104 and at the South Park Branch of the Seattle Public Library, at 8604 Eighth Ave. S. at S. Cloverdale St., Seattle, WA 98108.

This DNS is issued under WAC 197-11-340(2) and Seattle Municipal Code (SMC) 25.05.340; the lead agency will not act on this proposal for 14 days from the issue date below. **Comments must be submitted by 5:00 p.m. August 15, 2013.**

Issue Date: August 1, 2013

SEPA Responsible Official: Peter E.Hahn, Director, SDOT

Signature

7/29/13
Date

Agency contact: Terrance Plumb, Project Manager
e-mail address: Terrance.Plumb@seattle.gov

Telephone: 206-733-9053

Any interested person may appeal this DNS by submitting a Notice of Appeal and a \$85.00 filing fee to the Office of the Hearing Examiner located at 700 Fifth Ave, Suite 4000, Seattle; mailing address: P.O. Box 94729, Seattle, WA 98124-4729; telephone: (206) 684-0521. **The appeal must be filed no later than 5:00 p.m. August 22, 2013.** The appellant should be prepared to make specific factual objections. See SMC 25.05.680 A(2)(a)(ii) for SEPA appeal procedures.

SEATTLE DEPARTMENT OF TRANSPORTATION
SEPA ENVIRONMENTAL CHECKLIST

A. BACKGROUND

1. Name of proposed project, if applicable:

West Duwamish Trail Extension (South Portland Street)

2. Name of applicant:

Seattle Department of Transportation (SDOT)

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

Terrance Plumb
Seattle Department of Transportation
PO Box 34996
Seattle, Washington 98124-4996
206-733-9053

4. Date checklist prepared:

July 18, 2013

5. Agency requesting checklist:

SDOT

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

Project construction will be between March and August 2014.

7. Do you have any plans for future additions, expansion, or further activity related to or connected to 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:

- Geotechnical Engineering Exploration and Analysis: Proposed Non-Ferrous Metals Project W. Marginal Way and S. Chicago St. Seattle, Washington (Giles Engineering Associates, Inc. February, 1997)
- Phase II Environmental Site Assessment - Shallow Soils Assessment Proposed Stormwater Main, West Duwamish Trail, Seattle, WA (HWA GeoSciences, Inc., May 10, 2013)
- West Duwamish Trail Extension Project, Seattle, King County, Washington, Cultural Resources Assessment [Environmental Science Associates (ESA), May 2013]
- West Duwamish Trail, South Portland Street, DRAFT Stormwater Technical Memorandum (Russell D. Bauder, SDOT, May 2013)

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 other applications that will affect the project area. Following however are future approvals that will be necessary for projects within vicinity of the proposal.

- Port of Seattle - Lower Duwamish Habitat Restoration Project
 - City of Seattle Street Improvement Permit
 - City of Seattle Shoreline Permit/Exemption
 - Applicable state and federal permits

- Seattle Public Utilities – South Park Pump Station/Water Quality Facility (at S Riverside Dr and Holden St)
 - City of Seattle Shoreline Permit
 - Applicable state and federal permits

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

- Washington State Department of Ecology National Pollution Discharge Elimination System (NPDES) Construction Stormwater General Permit
- SDOT Street Use Permit
- Seattle Department of Planning and Development (DPD) Shoreline Exemption
- MOU from Washington State Department of Transportation (WSDOT) for use of WSDOT rights-of-way
- King County Waste Discharge Permit
- Concurrence from Washington State Department of Archaeology and Historic Preservation regarding findings of the Cultural Resources Assessment (ESA, May 2013)
- SDOT compliance with City of Seattle Environmentally Critical Area provisions

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 Duwamish Trail is a regional multi-use trail that serves as a connection through largely industrial south Seattle between the city limits and the West Seattle Bridge. The trail serves as an important link in the regional bike/pedestrian trail system providing a connection to the Green River Trail to the south in King County, and the Elliott Bay and Alki Trail to the north (See Figure 1). The South Park portion of the trail, the West Duwamish Trail Extension (South Portland Street) project, is the last portion of trail to be constructed to complete the multi-use portion of trail within Seattle city limits.

The West Duwamish Trail Extension (Portland Street) Project will provide a three block connection from the southern end of the existing Duwamish Trail that currently ends at 2nd Ave S and S Holden St. From here the new trail will cross W Marginal Way S at S Holden St and continue south along W Marginal Way S to S Portland St then travel east and to 8th Ave S. The project will lie mostly within City rights-of-way along S Portland St. A small portion of the project at the western terminus will lie within Washington State Department of Transportation rights-of-way (See Figure 2).

The project will include construction of a new mixed use trail as well as numerous street and drainage improvements. The improvements will include: curb and gutters, street and driveway paving, curb ramps, storm sewer improvements, new drainage inlets and catch basins, trail lighting and landscaping. Drainage pipes and structures will be constructed within S Portland St. A retaining wall will be built along West Marginal Way S to support the trail in this location.

Construction activities will include:

- Grading of roadway including property access areas
- Repair and replacement of existing roadway and driveway surfaces where needed
- Roadway excavation
- Installation of drainage system including piping, structures, and backfill
- Removal of existing and installation of a new lighting system including 29 new poles and luminaries
- Construction of curb and curb cuts, gutter, and sidewalk
- Roadway and trail channelization
- New landscaping including 46 trees and groundcover
- Construction of ecology block retaining

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 for the project site plan, vicinity map, and topographic map. 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 is located in Quarter-Section-Township-Range: SE 29-24-4 in the South Park neighborhood of the City of Seattle along S Portland St between W Marginal Way S and 8th Ave S. A portion of the project is located within the right-of-way of West Marginal Way S between S Holden St and S Portland St (See Figure 3). The project is located within the Duwamish/Green Water Resource Inventory Area (WRIA 9).

B. ENVIRONMENTAL ELEMENTS

I. EARTH

a. General description of the site (check one):

- Flat
- Rolling
- Steep Slopes
- Mountainous

b. What is the steepest slope on the site (approximate percent slope)? 0-5%

The majority of the project site is flat and at approximately 0% slope. The western edge of the project where the retaining wall is being installed is at approximately 5% slope.

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:

The top 2 to 4 inches of the site consist of 1 ¼ inch minus crushed rock (gravel). Soils below the gravel surface typically consist of sandy gravel and gravelly sand to an average depth of 3 to 4 feet and are interpreted to represent placed-fill material. Native soils between 4 and 39 feet consist of loose grading to dense sands and silty sands with occasional interbeds of sandy silt*.

*Source: Giles Engineering Associates, Inc. February, 1997. Geotechnical Engineering Exploration and Analysis: Proposed Non-Ferrous Metals Project W. Marginal Way and S. Chicago St. Seattle, Washington.

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

The project lies within a liquefaction zone*.

*Source: City of Seattle Department of Planning and Development GIS map (<http://web1.seattle.gov/dpd/maps/dpdgis.aspx>).

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill:

Approximately 3400 cubic yards of material will be excavated for the installation of stormwater conveyance lines. Excavated areas will be filled with approximately 3400 cubic yards of materials. An additional 300 cubic yards of fill material will be added behind the retaining wall along W Marginal Way S. All fill will come from a commercial source and will meet City of Seattle standard specifications.

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

Disturbed areas of the project site could be susceptible to erosion during pavement and concrete removal operations. Construction will be phased, limiting the area of exposed soil. Appropriate best management

practices (BMPs) consistent with the City's Standard Specifications for Road, Bridge, and Municipal Construction, along with the Seattle Stormwater Code (SMC 22.800 - 22.808) 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)?**

The site is currently covered with 32% impervious surface. The project will construct approximately 79,000 square feet of new and replaced impervious surface* for the following improvements: sidewalk, trail, curbs and gutter, curb ramps, retaining wall and roadway pavement. This will result in 65% of the project area covered with impervious surface after project construction.

*Note: Approximately 24,500 square feet of this will be non-pollutant generating impervious surface (NPGIS) and 54,200 square feet will be pollutant generating impervious surface (PGIS).

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

Best management practices (BMPs) will be implemented 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.

As part of its requirements under an NPDES Construction Stormwater General Permit, the contractor will be required to submit and follow a Stormwater Pollution Prevention Plan (SWPP) to demonstrate how they will control stormwater and erosion on the site. A Tree, Vegetation, and Soil Protection Plan (TVSPP) meeting City standards, will be developed to demonstrate how existing landscaping and vegetation will be protected.

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:**

During Construction:

The typical sources of emissions during construction of transportation projects include:

- Fugitive dust generated during the excavation, grading, and other construction activities;
- Engine exhaust emissions from construction vehicles, work vehicles, and construction equipment;
- Increased motor vehicle emissions associated with increased traffic congestion during construction; and
- Volatile organic and odorous compounds emitted during paving.

The total emissions and timing of the emissions from these sources will vary depending on the phasing of the project and construction methods.

The project is estimated to result in approximately 3950 metric tons of carbon dioxide equivalents (MTCO_{2e}), which results from the manufacture of paving materials, construction-related emissions, and maintenance of the pavement over its expected life cycle for 79,000 square feet of pavement that will be used to complete the project. This estimate was calculated using a conservative emissions factor of 50 MTCO_{2e} per 1,000 square feet of new pavement developed by King County from an analysis of several different life cycle assessments of the environmental impacts of roads.*

*Note: Paving that includes sidewalks or multi-use trails will likely use less cement and hence have lower embodied emissions.

After Construction:

No analysis is available to describe the impacts on greenhouse gas emissions for the completed project. Since the project will not affect vehicle capacity or change the travel speed, no significant change in greenhouse gas or other emissions is expected.

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

There are no known off-site sources of emissions or odor that will affect this proposal.

- 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 federal, 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.

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

3. WATER

a. **Surface**

- i. **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 project is within the immediate vicinity of the Duwamish Waterway.

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

The project will require a small amount of grading and paving work within SDOT rights-of-way within 200 feet of the Duwamish Waterway near 8th Ave S. No in-water work is associated with this project.

- iii. **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:**

No fill or dredge material will be placed in or removed from surface water or wetlands as part of the proposed project.

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

The proposed project will not require surface water withdrawals or diversions.

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

Yes. The proposed project is located within a 100-year floodplain.*

*Source: City of Seattle Department of Planning and Development GIS map (<http://web1.seattle.gov/dpd/maps/dpdgis.aspx>)

- vi. **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 produce or discharge waste materials to surface waters.

b. Ground:

- i. **Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.**

Groundwater is expected at a depth of 7 to 8 feet below existing ground surface. The construction of drainage pipe and maintenance holes will require dewatering. The volume and quality of this collected water is not known. Dewatering water will be discharged to the King County sewer. A King County Waste Discharge permit will be obtained. No water will be discharged to groundwater as part of the proposed project.

- ii. **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.**

No waste material will be discharged into the ground from the proposed project.

c. Water runoff (including storm water):

- i. **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 is the main source runoff in the project area. Few drainage facilities currently exist and surface water either infiltrates or flows directly into the Duwamish River via ditch and culvert. After construction of the project, stormwater will continue to flow into the Duwamish River. However, rather than traveling via ditch and culvert, stormwater will be piped to the Duwamish River.

- ii. **Could waste materials enter ground or surface waters? If so, generally describe.**

During construction, there is potential that waste materials or debris from construction activities could enter runoff from the site and enter groundwater if soils are exposed where existing paving has been removed. Asphalt and concrete cutting could result in a slurry mixture that, if spilled, could adversely affect the pH of the stormwater or groundwater.

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

During Construction:

Best management practices (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 limit the areas of open excavation at any one time to minimize potential for erosion and for waste materials to enter groundwater or surface waters. The contractor will be required to submit and follow a SWPP and comply with the NPDES Construction Stormwater General Permit.

After Construction:

The project will plant 46 new trees (to minimize stormwater amounts) to reduce surface water impacts and meet City of Seattle Drainage Code.

Seattle Public Utilities (SPU), as a separate project, is planning a regional water quality treatment facility, the South Park Pump Station/Water Quality Facility downstream of the West Duwamish Trail Project. This facility will provide water quality treatment for the stormwater drainage basin that surrounds and includes the project area. No water quality facilities will be constructed as part of the SDOT West Duwamish Trail Project.

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, bulrush, 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?

Up to 6 deciduous and evergreen trees along S Portland St just west of 5th Ave S may be removed along with grass and shrubs. None of these trees are considered to be Exceptional Trees in the City of Seattle [as defined by SMC Chapter 25.11 (Tree Protection) and further elaborated by DPD Director's Rule 16-2008].

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

No threatened or endangered plants are known to be on or near the project site. The project location is completely graded, filled and/or previously disturbed. There is no habitat for threatened or endangered plants.

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

Forty-six (46) *Acer nigrum* 'Green Column Black Sugar Maple trees and groundcover such as *Hypericum calycinum* (St. John's Wort) will be planted as part of this project.

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: crows, pigeons, doves, starlings, and house sparrows are common urban species that could occur in the project area.

mammals: deer, bear, elk, beaver, other: rodents, including rats and squirrels, and raccoons are common urban species that could occur in the project area.

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

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

The following listed/endangered species are known to inhabit the Duwamish River which is within 200 feet of the east end of the project:

- Chinook salmon (*Oncorhynchus tshawytscha*)
- Bull trout (*Salvelinus confluentus*)
- Puget Sound steelhead (*Oncorhynchus mykiss*)

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

The entire Puget Sound area is part of the Pacific Flyway for migratory birds. The Duwamish River is also a migration route for salmonid and other marine species. This project will not include any in-water work or work

immediately adjacent to the Duwamish River. The project will not adversely alter or remove any habitat that will affect migrating birds or salmonids.

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

The project will not materially affect wildlife and therefore the project does not include special measures to preserve or enhance wildlife.

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 project will use electricity for the 29 new lights that will be installed along the trail.

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 or planting vegetation that will block property access to the sun for use of solar energy.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

The lights being used for this project are light-emitting diode (LED) lights. LED lights use less electricity than conventional sodium-vapor street lights.

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? Yes
If so, describe.**

There are three potential environmental health hazards associated with this project:

- **Presence of Contaminated Soils:** Contaminated soils were found on the site and include: diesel and oil-range petroleum hydrocarbons, cPAHs, PCBs, arsenic, barium, cadmium, and chromium. A portion of these soils are designated as Dangerous Waste under 173-303 WAC due to Toxicity Characteristic Leaching Procedure (TCLP) for lead exceeding state limits. These soils are located between 5th Ave S and 7th Ave S, are limited to fill soils (less than five feet below ground surface [bgs]) and total approximately 160 cubic yards (260 tons).
- **Portions of the project alignment lie within the 1,000 foot buffer of the former South Park landfill.** Based on field screening, there is the potential for accumulation of methane or other landfill gasses, and/or displacement of oxygen in trenches (See Figure 4).
- **Potential Spills:** Spills of potentially hazardous materials during construction including gasoline and diesel fuels, hydraulic fluids, oils, lubricants, solvents, paints, and other chemical products could occur as a result of either equipment failure or worker error. This could result in soil or groundwater contamination.

Describe special emergency services that might be required.

Emergency fire or medic services may be required during construction and possibly during maintenance of the completed project; however, no special emergency services will be required.

i. Proposed measures to reduce or control environmental health hazards, if any:

A Spill Plan will be developed to control spills on site. Construction equipment will be inspected for leaking hoses, mechanical joints, and hydraulic pistons. Hazardous material spill response materials will be available onsite for the duration of the construction work. Temporary measures for erosion control, such as tarps, will be installed as needed.

As required by the Washington Department of Labor and Industries (WAC 296-843), a Health and Safety Plan will be prepared by SDO1 or SDOT's contractor before work commences. The plan will address proper employee training, use of protective equipment, contingency planning, and secondary containment of hazardous material. It will identify measures to ensure construction worker safety, outline emergency medical procedures, and reporting requirements. Also, construction bid documents (plans and specifications) will include all analytical results and provisions for handling, treating, and disposing contaminated soil; health and safety requirements related to working with contaminated materials; and provisions for dewatering and potentially discharging contaminated water. The project will also prepare a methane mitigation plan for proposed site improvements that have potential to accumulate soil gas.

b. Noise

i. 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 will affect the project.

ii. 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 will temporarily increase during construction. 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 may occur between 7 am and 10 pm weekdays and 9 am to 10 pm on the weekends. If there is a need for work outside these times to minimize traffic impacts, the project will request a noise variance permit to allow construction work at night.

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

iii. Proposed measures to reduce or control noise impacts, if any:

The City of Seattle Noise Ordinance prescribes limits to noise and construction activities and will be fully enforced during construction.

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

- 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?

The current use of the site is street right-of-way. Adjacent properties are industrial uses.

b. Has the site been used for agriculture? If so, describe.

A 1936 aerial photograph indicates portions of this site were used for agriculture. The site is currently developed with industrial structures, parking lots, and streets. No portion of the site has been recently used for agriculture.

c. Describe any structures on the site.

The project area consists of roadways used primarily for vehicular traffic. Aside from industrial buildings adjacent to the project site, structures along the corridor include utility poles with street lights and traffic signs. Underground structures include sanitary sewer, gas, water storm sewer and electrical utilities.

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

The project will not demolish existing structures.

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

Current zoning of the site is General Industrial (IG1). The project also lies within the Shoreline zone. For more information on City of Seattle land use zones see Seattle Municipal Code, Title 23 Land Use Code (SMC 23.30 & 23.32).

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

The project lies within the Greater Duwamish Manufacturing Industrial Center as designated in the City of Seattle Comprehensive Plan.

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

The eastern end of the project is located in a Shoreline Management zone, which is currently designated Urban Industrial (UI).

h. Has any part of the site been classified as an “environmentally sensitive” area? If so, specify.

The project lies within three City of Seattle environmentally critical areas: 1) liquefaction zone, 2) flood prone zone¹, and 3) abandoned landfill zone from S Holden St and 2nd Ave S to S Portland St and 5th Ave S (SMC 25.09.220). See Figure 4.

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

No people will reside or work in the completed project.

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

No people will be displaced by the project.

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

No measures to avoid or reduce displacement impacts are proposed.

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

No measures are proposed because there is no change to existing and projected land uses.

¹ The site was identified on FEMA FIRM map #53033C06356 as lying within special flood hazard area ‘X’.

9. HOUSING

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

This project does not involve the construction or elimination of any housing units.

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

This project does not have any housing impacts.

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

This project does not have any housing impacts.

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 project will install 29 new light fixtures that are approximately 35 feet high. The street level environment will be enhanced with the planting of 46 new street trees approximately 3-5 feet high.

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

The current streetscape includes the roadway, parking, curbs, driveways, street lights and some trees. No views in the immediate vicinity will be altered or obstructed by this project.

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

Because no aesthetic impacts are expected from this project, no mitigation measures for aesthetic impacts are planned.

11. LIGHT AND GLARE

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

Light or glare will result from the installation of 29 new light fixtures. Light or glare will occur during evening hours.

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

No. Lighting will enhance safety on the street and on the trail.

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

There are no existing off-site sources of light or glare that will affect the project.

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

The project will not have adverse light or glare impacts. Trees planted along the length of the trail and will minimize any minor light and glare caused by the project.

12. RECREATION

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

Two City of Seattle parks/recreational areas lie within 1 mile of the project area:

- Duwamish Waterway Park is located along 10th Ave S between S Kenyon St and S Elmgrove St
- South Park Playground is located on the corner of S Sullivan St and 8th Ave S.

b. Would the proposed project displace any existing recreational uses?

No. The project will enhance existing and future recreational uses by connecting the existing West Duwamish Trail to the Duwamish Waterway.

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 will have no adverse impacts to recreation.

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.

A cultural resources assessment for this project was conducted by Environmental Science Associates (ESA) in accordance with SMC 25.05.675(II). The results indicated that:

- There are no recorded buried cultural resources known to be on or next to the site.
- There are three historic age buildings adjacent to the project.
 - 531 S. Portland St
 - 7724 7th Ave S
 - 7777 7th Ave S

All three buildings are commercial warehouses and have been determined not eligible for listing on the National Register of Historic Places by DAHP (See attached June 26, 2013 correspondence).

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

No landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. However, the project location is considered high probability for the discovery of archaeological resources. Based upon the depth of archaeological deposits within nearby sites (between 1.5 feet to 6 feet below surface) and the relative lack of disturbance in the area during realignment of the Duwamish River, the ESA cultural resource assessment recommended an Archaeological Resources Monitoring Plan (ARMP) be developed for the project.

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

An ARMP will be developed for the project that will outline specific construction activities that should be monitored by an archaeologist. The ARMP will also include an Unanticipated Discovery Plan and notification protocol (including tribal notification) to be followed in the event that cultural resources are identified. If archaeological resources are identified during construction, SDOT will be required to halt construction in the area of the find while the site is evaluated. As required by RCW 27.53, work within the boundaries of prehistoric or National Register eligible historic archaeological sites will require an archaeological excavation permit from the Washington State Department of Archaeology and Historic Preservation (DAHP).

14. TRANSPORTATION

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

The project is generally accessed by W Marginal Way S, S Holden St, 2nd Ave S, 5th Ave S and 7th Ave S. The project will not impact access to the existing street system.

- b. **Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?**

The site is not currently served by public transit. However, four bus stops (2 eastbound and 2 westbound) serving King County Metro route 132 are located near the project site on S Holden St between 2nd Ave S and 5th Ave S at:

- SE corner of 2nd Ave S/N Holden St
- NE corner of 2nd Ave S/N Holden St
- SW corner of 5th Ave S/N Holden St
- NW corner of 5th Ave S/N Holden St

- c. **How many parking spaces would the completed project have? How many would the project eliminate?**

Construction of the bike path will permanently remove approximately 100 parking spaces on the south side of Portland Street from West Marginal Way to 8th Ave S. Parking on the north side of the street will remain either parallel parking or perpendicular parking to accommodate approximately 125 vehicles.

- 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).**

Yes. The proposal includes the following road improvements: paving the path, drainage conveyance facilities, light fixtures and landscaping.

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

The project is located near the Duwamish Waterway, an important water transportation corridor. However, the project will not use water, rail, or air transportation.

- f. **How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.**

The completed project will not generate any additional vehicular trips beyond those currently generated.

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

To reduce traffic impacts during construction SDOT will:

- Minimize disruptions and maintain property access.
- Inform adjacent property owners of work progress.
- Conduct advance and continued public outreach during construction to notify residents, businesses, local agencies, school districts, transit agencies, and other stakeholders of expected disruptions or changes in traffic flow.
- Minimize temporary road closures and detour routes and ensure these will have proper signage.
- Require the construction contractor to submit a traffic control plan for approval by the City, which will be maintained during construction.

- o Identify and clearly mark alternative routes for pedestrians, bicyclists, and those with disabilities
- o Ensure transit stops are clearly marked.

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. The project will not result in an increased need for public services.

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

Not applicable; the project will not have impacts to public services.

16. UTILITIES

- a. Utilities currently available at the site:**

Electricity, natural gas, water, refuse service, telephone, sanitary sewer, stormwater drains.

- 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.**

A new 30 inch storm drain conveyance within S Portland St connecting to the existing line on 7th Ave S is proposed as part of this project. SPU will be the utility providing this service. Twenty-nine new street lights are proposed for this project. Seattle City Light will be providing this service.

General construction activities include:

- Roadway excavation and fill
- Installation of drainage system including piping, structures and backfill
- Installation of new poles and luminaries

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: _____

Date Submitted: _____

Figure 1



Existing Duwamish Trail

Figure 2

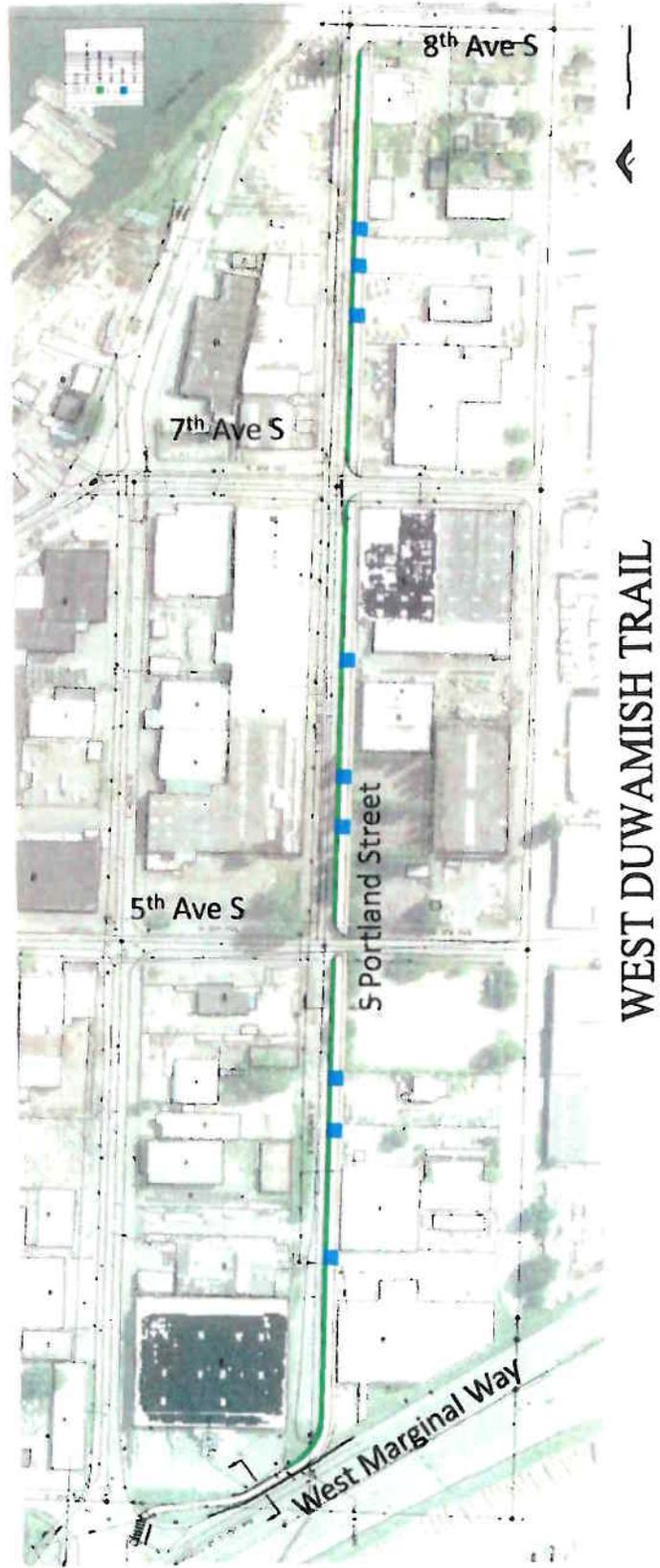
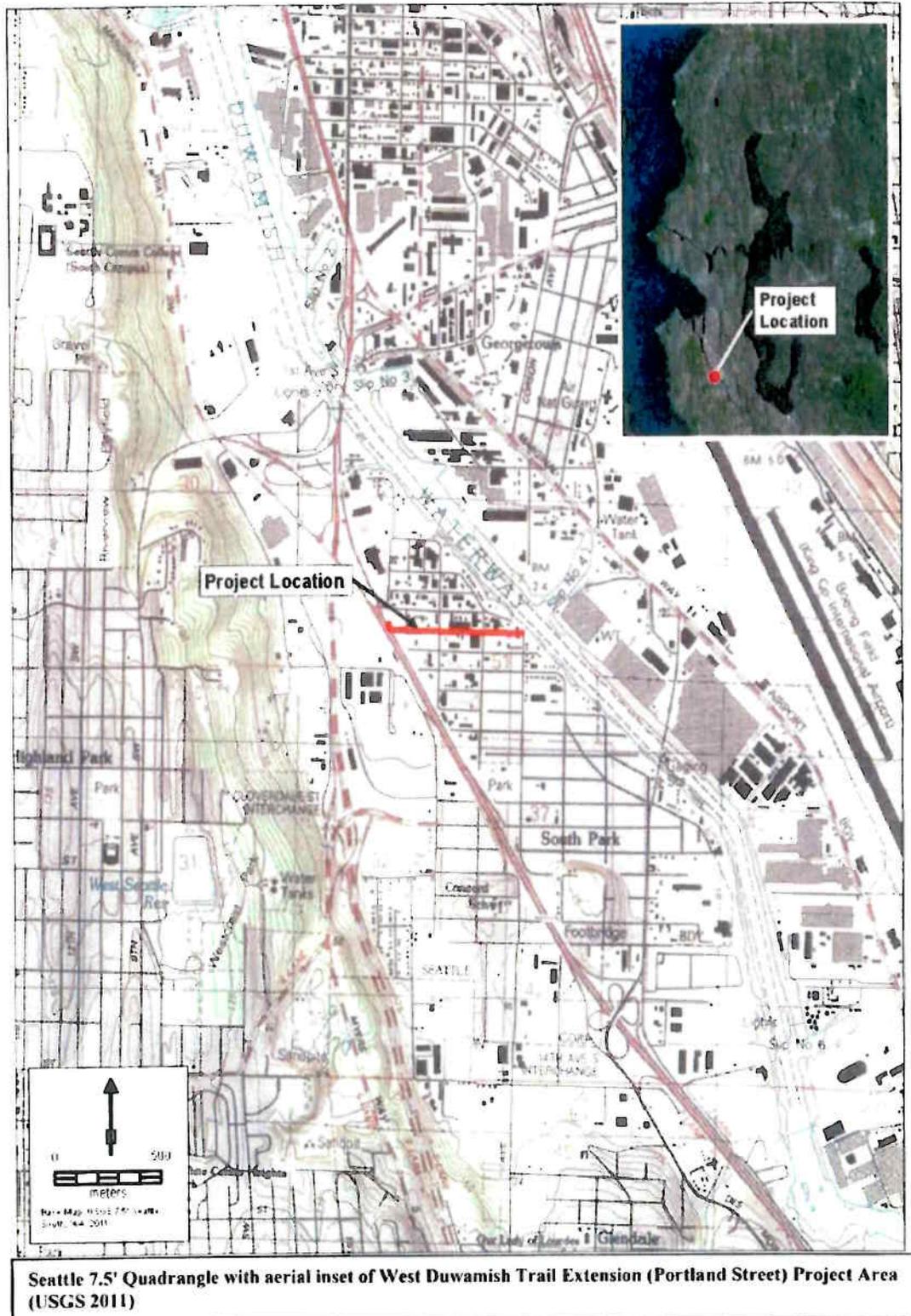


FIGURE 3





Allyson Brooks Ph.D., Director
State Historic Preservation Officer

June 26, 2013

Ms. Sandra Gurkewitz
Seattle Department Of Transportation, Environmental Coordinator
600 Fourth Avenue
Room 410
Seattle, WA 98104-1879

In future correspondence please refer to:
Log: 052913-06-SDOT
Property: West Duwamish Trail Extension
Re: Archaeology - No Historic Properties

Dear Ms. Gurkewitz:

Thank you for contacting our office and providing a copy of the cultural resources survey report completed by ESA. We concur that the three historic properties identified within the proposed project area are not eligible for listing in the National Register of Historic Places. Furthermore, we concur with their professional recommendations and agree with your determination that no cultural resources will be impacted by your project.

We would appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of Executive Order 05-05.

These comments are based on the information available at the time of this review and on the behalf of the State Historic Preservation Officer in conformance with Executive Order 05-05 as signed by the Governor in 2005.

Should additional information become available, our assessment may be revised. In the event that archaeological or historic materials are discovered during project activities, work in the immediate vicinity must stop, the area secured, and this office and the concerned tribes notified.

Thank you for the opportunity to review and comment. If you have any questions, please contact me.

Sincerely,

Matthew Sterner, M.A.
Transportation Archaeologist
(360) 586-3082
matthew.sterner@dahp.wa.gov



