

Water Resources

D4.8.1 Regulatory Requirements

The following laws, statutes, local ordinances, and guidelines address hydrology, water quality, and/or flooding issues relevant to the Federal Way Link Extensions (FWLE):

- National Pollutant Discharge Elimination System (NPDES) Permit Regulations
- Presidential Executive Orders 11988 and 11990
- Washington State Water Quality Standards
- Washington State Department of Ecology (Ecology) *Stormwater Management Manual for Western Washington* (Ecology, 2012)
- Washington State Department of Transportation (WSDOT) *Highway Runoff Manual* (WSDOT, 2014)
- Washington State Department of Transportation *Hydraulics Manual* (WSDOT, 2015)
- Washington Department of Fish and Wildlife (WDFW) Hydraulic Project Approval (HPA) requirements
- The National Flood Insurance Protection Act
- The Flood Disaster Protection Act
- Sections 401, 402, and 404 of the Clean Water Act
- Section 10 of the Rivers and Harbors Act
- City of SeaTac Code Title 12.10 – Surface and Stormwater Management
- City of Des Moines Code Title 11 – Utilities
- City of Kent Code Title 7.07 – Surface Water and Drainage Code
- City of Federal Way Code Title 16 – Surface Water Management
- City floodplain and drainage regulations
- City critical area ordinances
- City shoreline master programs
- King County Waste Discharge Permit for discharge of construction water to the sanitary sewer

Under the Washington Administrative Code (WAC) 173-201A, the state has assigned water uses to each of the water bodies in the study area. These are shown in Table D4.8-1. These uses define the Ecology water quality standards that must be met for each water body and that are enforced by Ecology.

Table D4.8-2 lists the stormwater ordinances and manuals applicable to each city and the state.

TABLE D4.8-1
Designated Water Uses for Water Bodies in the Study Area

	Extraordinary Aquatic Life Uses	Shellfish Harvesting	Core Summer Habitat	Spawning/Rearing	Extraordinary Primary Contact Recreation	Primary Contact Recreation	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Navigation	Boating	Aesthetics
East Passage (Puget Sound) ^a	✓	✓				✓					✓	✓	✓	✓	✓
Des Moines Creek			✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Massey Creek			✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
McSorley Creek			✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Barnes Creek			✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Redondo Creek			✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Unnamed creek				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hill Creek				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bingaman Creek				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Green River (downstream of SR 167)				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Green River (upstream of SR 167)			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hylebos Creek				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lakes in the study area			✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

^a Marine waters; all other water bodies in the table are classified as freshwater.

Source: WAC 173-201A.

Note: Creeks listed above that do not appear in WAC 173-201 Table 602 are to be protected for the designated uses of: salmonid spawning, rearing, and migration; primary contact recreation; domestic, industrial, and agricultural water supply; stock watering; wildlife habitat; harvesting; commerce and navigation; boating; and aesthetic values. However, it should be recognized some uses on smaller creeks such as boating and navigation are infeasible.

TABLE D4.8-2
Stormwater Management Requirements

Jurisdiction	Municipal Code	Manual	Addendums
SeaTac	12.10	King County SWDM (2009)	2009
Des Moines	11	King County SWDM (2009)	Municipal Code Section 11.08.070
Kent	7.05 7.07	Kent SWDM (City of Kent, 2002)	Annually; known as blanket adjustments
Federal Way	11.35 16	King County SWDM (2009)	2009
WSDOT	N/A	<i>Hydraulics Manual</i> (WSDOT, 2015) <i>Highway Runoff Manual</i> (WSDOT, 2014)	See WSDOT website
Ecology	N/A	<i>Stormwater Management Manual for Western Washington</i> (Ecology, 2012)	N/A

SWDM = Surface Water Design Manual; N/A = not applicable

D4.8.2 Existing Stormwater Facilities within the Study Area

Exhibit D4.8-1 shows the existing stormwater facilities within the project area.

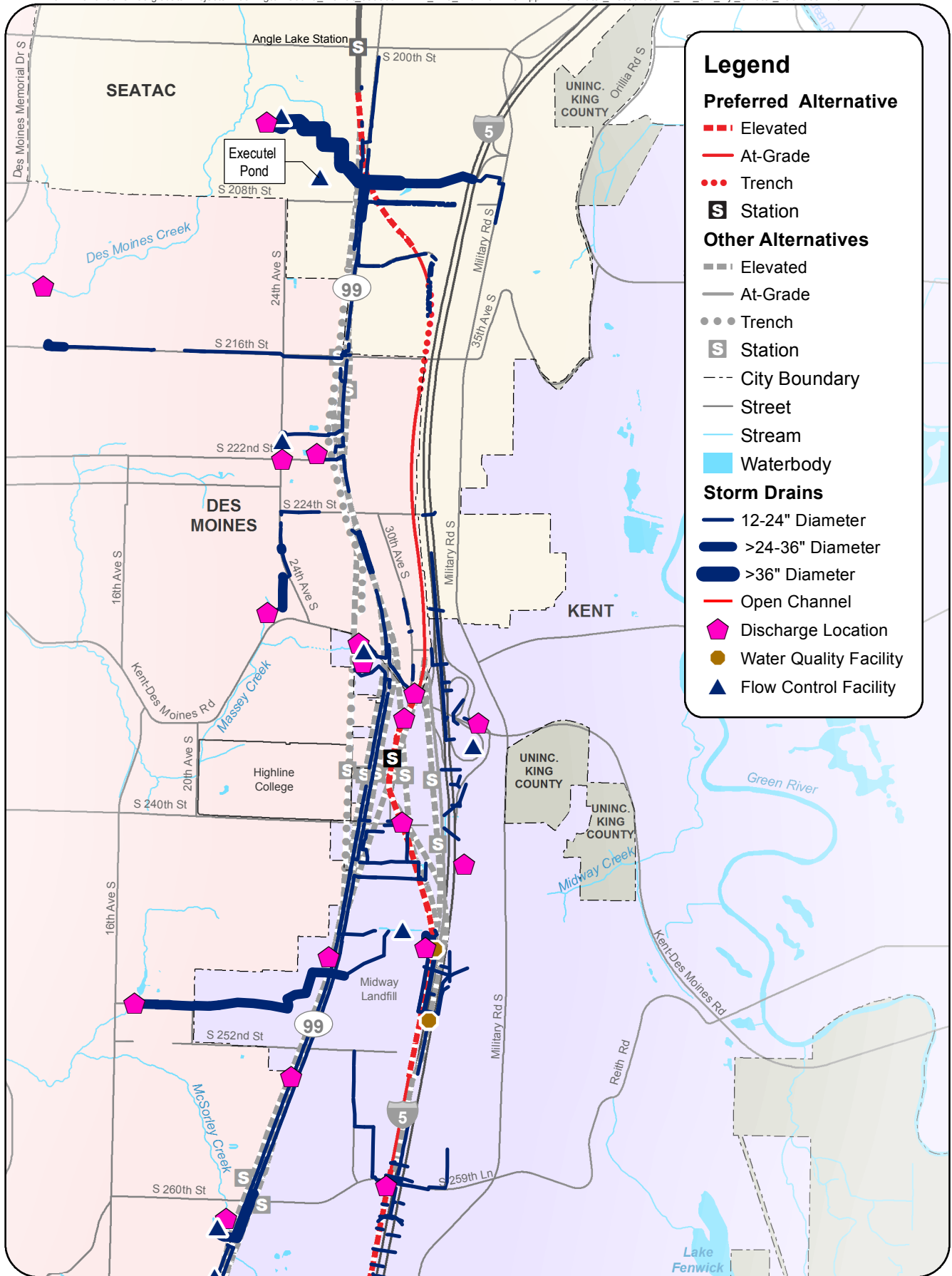
D4.8.3 Hydrologic Soils Groups

The soils in King County have been classified into lettered groups. Each soil group has similar soil properties. Hydrologic soil group (HSG) is one of the classified soil properties. HSG is a relative measure of the soil's infiltration rate. There are four hydrologic soil groups (A to D), defined as follows:

- **Group A soils** have a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.
- **Group B soils** have a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.
- **Group C soils** have a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.
- **Group D soils** have a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

Some areas are classified with soils from two groups such as A/D. These are areas that could have characteristics of both groups, such as different soil layers (a shallow porous layer over a till layer).

Exhibit D4.8-2 shows the hydrologic soils groups in the project area.



Data Sources: King County, Cities of Des Moines, Federal Way, Kent, SeaTac (2015).

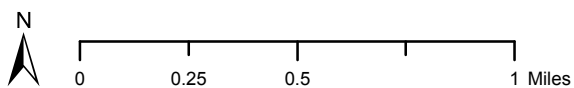


EXHIBIT D4.8-1a
Major Stormwater Facilities (North)

Federal Way Link Extension

Federal Way Link Extension

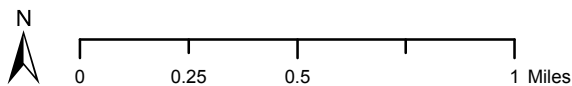
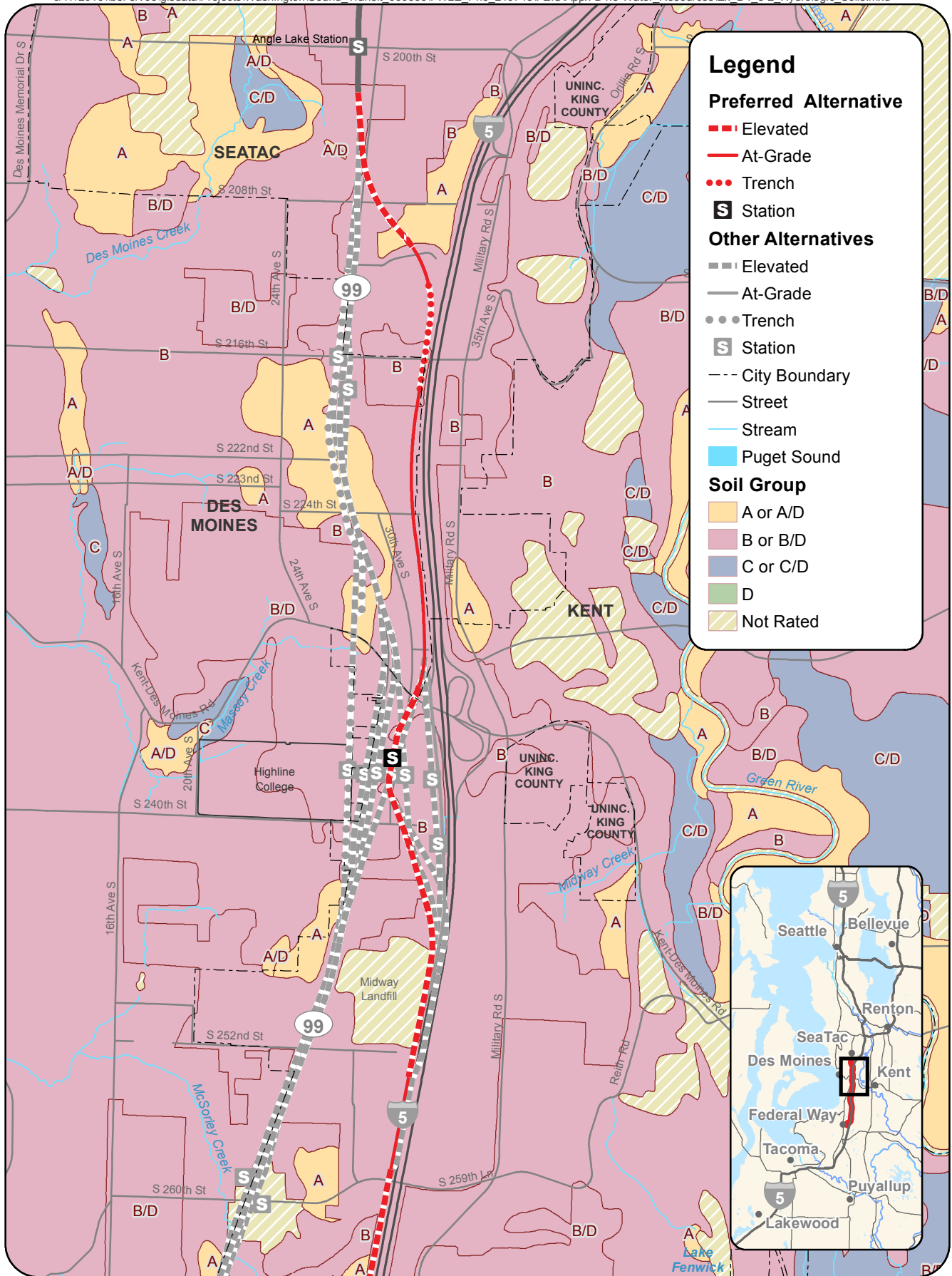
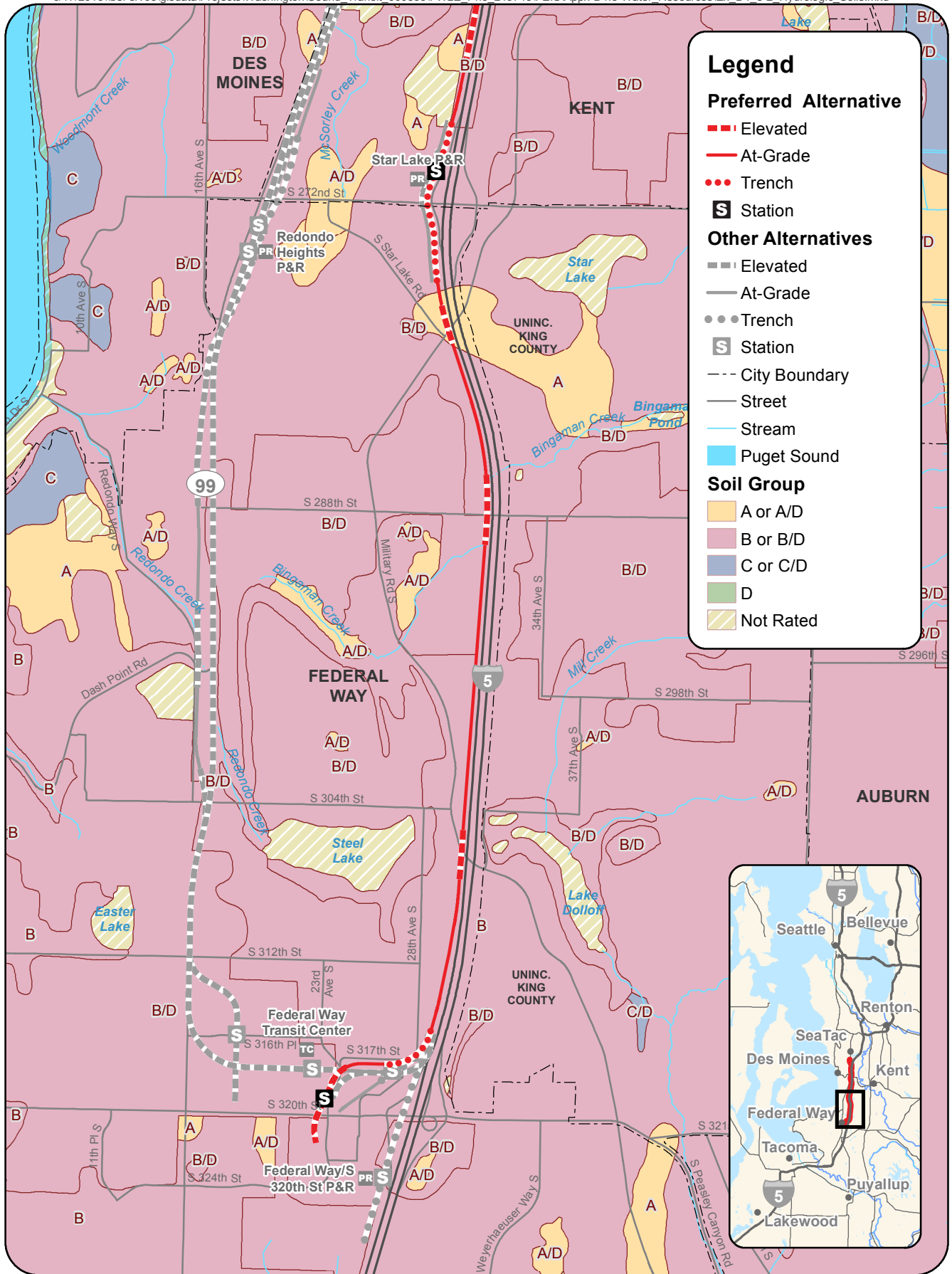


EXHIBIT D4.8-2a
Hydrologic Soil Groups
in the Project Area (North)
Federal Way Link Extension



Data Sources: King County, Cities of Des Moines, Federal Way, Kent, SeaTac (2015).
Natural Resource Conservation Service. 1973. Soil Survey for King County Area, Washington, D.C.

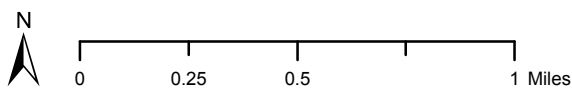


EXHIBIT D4.8-2b
Hydrologic Soil Groups
in the Project Area (South)
Federal Way Link Extension

D4.8.4 Calculation of Impervious Surface

CADD files of the FWLE footprint were overlaid on recent aerial photos. Where the footprint was within arterial right-of-way, the edges of the sidewalks on either side of the arterial represented the project limits. Where the FWLE footprint was outside an arterial right-of-way, the footprint was used as the project limits. Pervious and impervious areas were then visually delineated and are listed in Table D4.8-3.

Non-pollution-generating impervious surfaces (non-PGIS) in the FWLE consist of the light rail guideway (both at-grade and elevated), roofs, sidewalks, stations, and the infrequently used access roads to traction power substations and stormwater facilities. Pollution generating impervious surfaces (PGIS) consist of roads, driveways, parking areas, and any other areas subject to frequent motor vehicle traffic. For multi-story parking structures, only the area of the upper-most story would be counted as PGIS. This is because the underlying stories of the parking structure would not be subject to rainfall and would produce negligible runoff. Note that commercial and industrial areas are also considered PGIS, although these latter areas would not be created as a direct result of this project.

Portions of the FWLE consist of elevated guideways that would intercept rainfall before it reaches the underlying ground surface. For purposes of this analysis, it was assumed that the guideway runoff would be collected at discrete discharge locations and then conveyed by pipe down the guideway columns. For this reason, if the guideway would be situated over existing pervious area, the guideway would represent net new impervious area. If the guideway would be situated over existing impervious area, there would be no net change in impervious area.

In the case where guideway would be over existing PGIS, such as a road or parking lot, there would be no net change in PGIS. Even though the overlying guideway (which is non-PGIS) would be intercepting rainfall, in the great majority of the cases, sheet flow from the surrounding, at-grade PGIS would pick up and transport pollutants from the underlying (“sheltered”) PGIS and carry them to the local drainage system. Discharges would continue to their current locations (typically into the same municipal stormwater systems). Thus, from a practical standpoint, there would be no net reduction in existing PGIS. In the case of a guideway situated over existing non-PGIS, there would be no change in non-PGIS.

D4.8.5 Best Management Practices

D4.8.5.1 Long-Term Operations

The proposed stormwater management for the FWLE follows the Sound Transit *Design Criteria Manual* (Sound Transit, 2012), which requires stormwater design for Sound Transit projects to conform to the requirements of the local jurisdictions. The project would comply with the state and local design manuals shown in Table D4.8-2.

TABLE D4.8-3

Proposed Changes in Impervious Surface (acres)

Alternative	Total Area	Existing Conditions			Post-Project		
		Pervious	Impervious		Pervious	Impervious	
			PGIS	Non-PGIS		PGIS	Non-PGIS
Preferred Alternative	81.52	39.10	28.41	14.01	8.07	28.78	44.67
Kent/Des Moines Station Options							
Kent/Des Moines At-Grade Station Option	-7.59	+10.02	-8.44	-9.17	-7.45	+9.45	-9.59
Kent/Des Moines I-5 Station Option	-12.33	-5.39	-0.06	-6.88	-7.54	+7.37	-12.16
Landfill Median Alignment Option	-8.03	+3.29	-5.60	-5.72	-7.43	+10.82	-11.42
S 272nd Star Lake Elevated Station Option	+0.04	+0.05	-0.02	+0.01	-0.48	-0.01	+0.49
S 317th Elevated Alignment Option	-0.16	-0.02	-0.06	-0.08	+0.06	+0.78	-0.84
Federal Way City Center Station Options							
Federal Way I-5 Station Option	-3.63	+4.12	-2.19	-5.56	-7.32	+14.33	-10.64
Federal Way S 320th Park-and-Ride Station Option	-5.27	+7.92	-8.06	-5.13	-7.40	+10.20	-8.07
SR 99 Alternative	119.90	16.50	84.67	18.73	1.58	96.53	21.79
S 216th Station Options							
S 216th West Station Option	+11.00	+1.00	+9.50	+0.50	+0.17	+7.31	+3.52
S 216th East Station Option	+3.01	-1.70	-0.56	+5.27	+0.15	+2.79	+0.07
Kent/Des Moines Station Options							
Kent/Des Moines HC Campus Station Option	+1.89	-0.80	+3.11	-0.42	+0.17	-2.78	+4.50
Kent/Des Moines HC from S 216th W Station Option	+0.95	+3.05	-2.46	+0.28	+0.06	-8.34	+9.23
Kent/Des Moines SR 99 Median Station Option	+2.89	-0.55	+3.19	+0.25	-0.04	+1.64	+1.29

TABLE D4.8-3

Proposed Changes in Impervious Surface (acres)

Alternative	Total Area	Existing Conditions			Post-Project		
		Pervious	Impervious		Pervious	Impervious	
			PGIS	Non-PGIS		PGIS	Non-PGIS
Kent/Des Moines SR 99 East Station Option	-2.37	-3.59	+1.85	-0.63	+0.10	-2.73	+0.26
S 260th Station Options							
S 260th West Station Option	-5.75	+0.35	-4.66	-1.44	+0.01	-5.48	-0.28
S 260th East Station Option	-3.14	+0.43	-3.10	-0.47	+0.00	-3.64	+0.50
S 272nd Redondo Trench Station Option	-17.65	+2.55	-16.00	-4.20	-0.01	-21.35	+3.71
Federal Way SR 99 Station Option	+2.37	-3.33	+6.32	-0.62	-0.06	+1.93	+0.50
SR 99 to I-5 Alternative	76.46	34.26	33.21	8.99	0.63	44.77	31.06
S 216th Station Options							
S 216th West Station Option	+11.00	+1.00	+9.50	+0.50	+0.17	+7.31	+3.52
S 216th East Station Option	+3.01	-1.70	-0.56	+5.27	+0.15	+2.79	+0.07
Federal Way City Center Station Options							
Federal Way I-5 Station Option	+4.47	+0.07	+4.21	+0.19	+0.11	+4.67	-0.31
Federal Way S 320th Park-and-Ride Station Option	+2.83	+3.87	-1.66	+0.62	+0.03	+0.54	+2.26
I-5 to SR 99 Alternative	113.01	17.50	78.48	17.03	1.50	82.23	29.28
S 260th Station Options							
S 260th West Station Option	-3.88	+2.63	-5.78	-1.15	+0.48	-4.29	-0.07
S 260th East Station Option	-3.14	+0.43	-3.10	-0.47	+0.00	-3.64	+0.50
S 272nd Redondo Trench Station Option	-17.65	+2.55	-16.00	-4.20	-0.01	-21.35	+3.71
Federal Way SR 99 Station Option	+2.37	-3.33	+6.32	-0.62	-0.06	+1.93	+0.50

PGIS = pollution-generating impervious surface.

Based on the guidance provided in the *Design Criteria Manual*, low impact development (LID) is a preferred stormwater management method and would be employed wherever possible. Also, the 2012 Ecology *Stormwater Management Manual for Western Washington* requires LID approaches to stormwater management to the extent feasible. However, in areas where use of LID measures is not feasible due to physical site constraints, other techniques may be used. Stormwater flow control techniques may include detention ponds, infiltration ponds, vaults, and dispersion.

Water quality treatment techniques may include water quality ponds, bioretention, ecology embankments, and media filter vaults. Treatment to remove metals, and oil and grease would be provided at parking lots and high-traffic-volume roadway areas, where required.

D4.8.5.2 Construction

The risk of construction-related impacts to water resources would be controlled by complying with the NPDES Construction Stormwater General Permit process and best management practices (BMPs), as appropriate. If discharge of treated construction or process water to a sanitary sewer is proposed, approval must be obtained from the King County Industrial Waste Division and the local jurisdiction. For construction within and over streams or other water bodies, a HPA would be obtained from the WDFW before work begins.

Through compliance with these requirements, an approved Construction Stormwater Pollution Prevention Plan (CSWPPP) would be developed and implemented for the proposed project. The CSWPPP would serve as the overall construction stormwater mitigation plan by describing overall procedural and structural pollution prevention and flow control BMPs, including location, size, maintenance requirements, and monitoring. An Ecology-certified erosion and sediment control lead (CESCL) would be employed to conduct compliance inspections. In addition, the CSWPPP would include each of the following plans:

- Temporary Erosion and Sediment Control Plan – This plan would outline the design and construction specifications for BMPs to be used to identify, reduce, eliminate, or prevent sediment and erosion problems.
- Spill Prevention, Control, and Countermeasures Plan – This plan would outline requirements for and implementation of spill prevention, inspection protocols, equipment, material containment measures, and spill response procedures.
- Concrete Containment and Disposal Plan – This plan would outline the management, containment, and disposal of concrete debris, slurry, and dust, and discuss BMPs that would be used to reduce high pH.
- Dewatering Plan – This plan would outline procedures for pumping groundwater away from the construction area, and storing (as necessary), testing, treating (as necessary), and discharging or disposing of the dewatering water.
- Fugitive Dust Plan – This plan would outline measures to prevent the generation of fugitive dust from exposed soil, construction traffic, and material stockpiles.

Potential BMPs include the following:

- Minimizing the amount of cleared area at a construction site
- Stabilizing construction entrances and haul roads using quarry spalls
- Washing truck tires at construction entrances, as necessary
- Constructing silt fences downslope from exposed soils
- Protecting catch basins from sediment
- Containing and controlling concrete and hazardous materials onsite
- Installing temporary ditches to route runoff around or through construction sites, with periodic straw bales or rock check dams to slow and settle runoff
- Providing temporary plastic or mulch to cover soil stockpiles and exposed soil
- Using straw wattles to reduce the length of unbroken slopes and minimize runoff concentration
- Using temporary erosion-control blankets or mulch on exposed steep slopes to minimize erosion before vegetation is established
- Constructing temporary sedimentation ponds to remove solids from concentrated runoff and dewatering before being discharged
- Conducting vehicle fueling and maintenance activities no closer than 100 feet from a water body or ditch
- Implementation of stream protection measures, as necessary, including diverting stream flow around the construction area and limiting the construction period to the required “work window,” a period of the year identified in the HPA when fish would be minimally affected

References

City of Kent. 2002. *Kent Surface Water Design Manual*.

King County. 2009. *King County Surface Water Design Manual*.

<http://www.kingcounty.gov/environment/water-and-land/stormwater/documents/surface-water-design-manual/2009-errata.aspx>.

Sound Transit. 2012. *Link Design Criteria Manual*. Revision 1. February 2012.

Washington State Department of Ecology (Ecology). 2012. *Stormwater Management Manual for Western Washington*.

Washington State Department of Transportation (WSDOT). 2014. *Highway Runoff Manual*.

Washington State Department of Transportation (WSDOT). 2015. *Hydraulics Manual*.

Geology and Soils Data

TABLE D4.11-1

Summary of Existing Geotechnical Reports

Report Number	Author	Date	Title
1	AGI	1988	Hydrogeology Technical Memorandum, Appendix A for the Groundwater Technical Report, Midway Landfill Remedial Investigation, Kent, WA
2	Hong West	1991	Preliminary Geotechnical Study, Existing Data Search, I-5 HOV Lane Project
3	WSDOT	1999	Detention Pond Retaining Wall Recommendations, SR-5 & So. 272nd, Pierce County Line to Tukwila HOV Stage 3
4	Hong West	1992	Geotechnical Investigation, I-5 Interim HOV Lanes Project, 5 Bridges along LE Line, King County, WA
5	Hong West	1992	Geotechnical Investigation, I-5 HOV Lane Widening, Fife to Tukwila Interchanges, Volumes I & II
6	Shannon & Wilson	2002	Foundation Recommendations and Settlement Calculations, SR-5/Bridge 506W, Pierce County Line to Tukwila HOV Stage 3
7	WSDOT	1988	Soils Report, SR-5 at So. 320th St. Interchange - HOV improvements
8	WSDOT	1990	Soils Report, SR-5 at So. 320th St - SB Ramp Signal
9	Landau	1994	Geotechnical Engineering Design, Retaining Walls, HOV Widening Stage 2, I-5 Fife to Tukwila SB, SR-516 to Orillia Rd, King Co, WA
10	WSDOT	2003	Geotechnical Report, I-5 So. 317th Street HOV Direct Access
11	CivilTech	2000	Preliminary Geotechnical Report, I-5 Federal Way HOV Access Project, Federal Way, WA
12	WSDOT	1974	Soils Report, SR-516 & So. 320th SB Off-ramp
13	WSDOT	1996	Overhead Signs, Pierce County Line to Tukwila HOV Stage 3
14	WSDOT	2004	So. 288th Street Siphon Culvert - West of Bridge 005/507 (Bingaman Creek)
15	WSDOT	1973	So. 272nd Street Interchange - District Soils Report
16	WSDOT	2005	So. 272nd Street Camera Pole - Camera Pole Foundation Report
17	WSDOT	1990	Geotechnical Recommendations, So. 260th Street Bridge Widening
18	WSDOT	1997	So. 260th Street Embankment Failure
19	WSDOT	2003	SR-509 Corridor Completion and So. Access Rd, Geotechnical Report
20	WSDOT	1990	Geotechnical Recommendations, SR-516 Overcrossing Widening
21	GeoEngineers	1994	Geotechnical Engineering Services, SR-516 Overcrossing Widening, Kent, WA
22	CivilTech	2002	Geotechnical Report, SR-99 HOV Lanes Project, Federal Way, WA
23	WSDOT	1962	SR-99, Foundation Investigation, South 216th Street Undercrossing
24	WSDOT	2002	Signal Foundation Report, Pierce County Line to Tukwila HOV Stage 2N
25	GeoEngineers	2002	Geotechnical Engineering Study, Pacific Highway South HOV Lanes
26	WSDOT	1994	Soils Investigation, SR-5 Junction So. 200th Street
27	WSDOT	1954	Soil Test Data, So. 308th Street to Junction PSH 5 (SR-509) - Soils and Surfacing

TABLE D4.11-1
Summary of Existing Geotechnical Reports

Report Number	Author	Date	Title
28	WSDOT	1986	SR-99 Intersections at So. 260th Street and So. 288th Street - Signal Rebuild and Cantilever Signal Foundations
29	WSDOT	2006	Geotechnical Report, So. 284th Street to So. 272nd Street HOV – Design
30	WSDOT	1974	Soils Report, SR-99 So. 272nd Street Channelization
31	WSDOT	1992	Soils Report, SR-5 Overhead Sign and Sign Structure Repair
32	WSDOT	1988	SR-99 Junction So. 208th - NB Ramp Signals
33	RZA	1988	Limited Subsurface Exploration and Geotechnical Design Recommendation, Traffic Signal Strain Pole Foundation, Chevron Service Station, PCH and So. 312th Street, Federal Way, WA
34	WSDOT	1998	SR-99 Junction So. 208th – Signal
35	WSDOT	1996	SR-99 So. 240th Street - Signalization/Wall
36	WSDOT	1995	Soils Report, SR 99 Jct. S 240th St Signal Rebuild
37	WSDOT	1959	PCH at Midway Sand and Gravel
38	WSDOT	2002	Retaining Wall No 2, Pierce County Line to Tukwila HOV Stage 2N
39	WSDOT	2002	Stage II Sign Structures, Pierce County Line to Tukwila HOV Stage 2N
40	WSDOT	1994	Retaining Walls 5, 6, 7 and Texas Style Barrier, Pierce County Line to Tukwila HOV Stage 2N
41	WSDOT	1995	Foundation Recommendations Report, Bridges 5/506W, 5/507W, 5/508W, 5/509W and 5/510W, Pierce County Line to Tukwila HOV Stage 3
42	WSDOT	1995	Piezometer Data, Bridges 5/506W, 5/507W, 5/508W, 5/509W and 5/510W, Pierce County Line to Tukwila HOV Stage 3
43	WSDOT	1994	Preliminary Bridge Foundation Recommendations, Bridges 5/506W, 5/507W, 5/508W, 5/509W and 5/510W, Pierce County Line to Tukwila HOV Stage 3
44	GeoEngineers	2007	Geotechnical Engineering Services, Midway Substation Expansion, 2845 So. 221st, Des Moines, WA
45	GeoEngineers	1994	Soils Investigation, Proposed Retail/Warehouse Bldg, Federal Way, WA
46	GeoEngineers	1988	Geotechnical Report, Proposed Convenience Center, Pacific Coast Highway S and S 260th St., Kent, WA
47	GeoEngineers	1996	Geotechnical Report, Discount Tire Building Addition, 31414 Pacific Coast Highway S, Federal Way, WA
48	GeoEngineers	1986	Soils Report, Township Hills Project, Kent, WA
49	GeoEngineers	1985	Geotechnical Consultation, Fill Placement Operations, Midway Landfill, Kent, WA
50	GeoEngineers	1987	Geotechnical Engineering Services, Planned Roadside Advertising Signs, Federal Way, WA
51	GeoEngineers	1989	Geotechnical Report & Phase I ESA, Proposed Kent/Des Moines Retail Development, 23209 Pacific Coast Highway S, Kent, WA
52	GeoEngineers	1992	Geotechnical Report, Proposed Midway Crossing Retail Center, Kent, WA
53	GeoEngineers	1987	Geotechnical Report, Proposed 7-11 and Mini-Warehouses, Pacific Coast Highway S and So. 272nd St, Federal Way, WA

TABLE D4.11-2

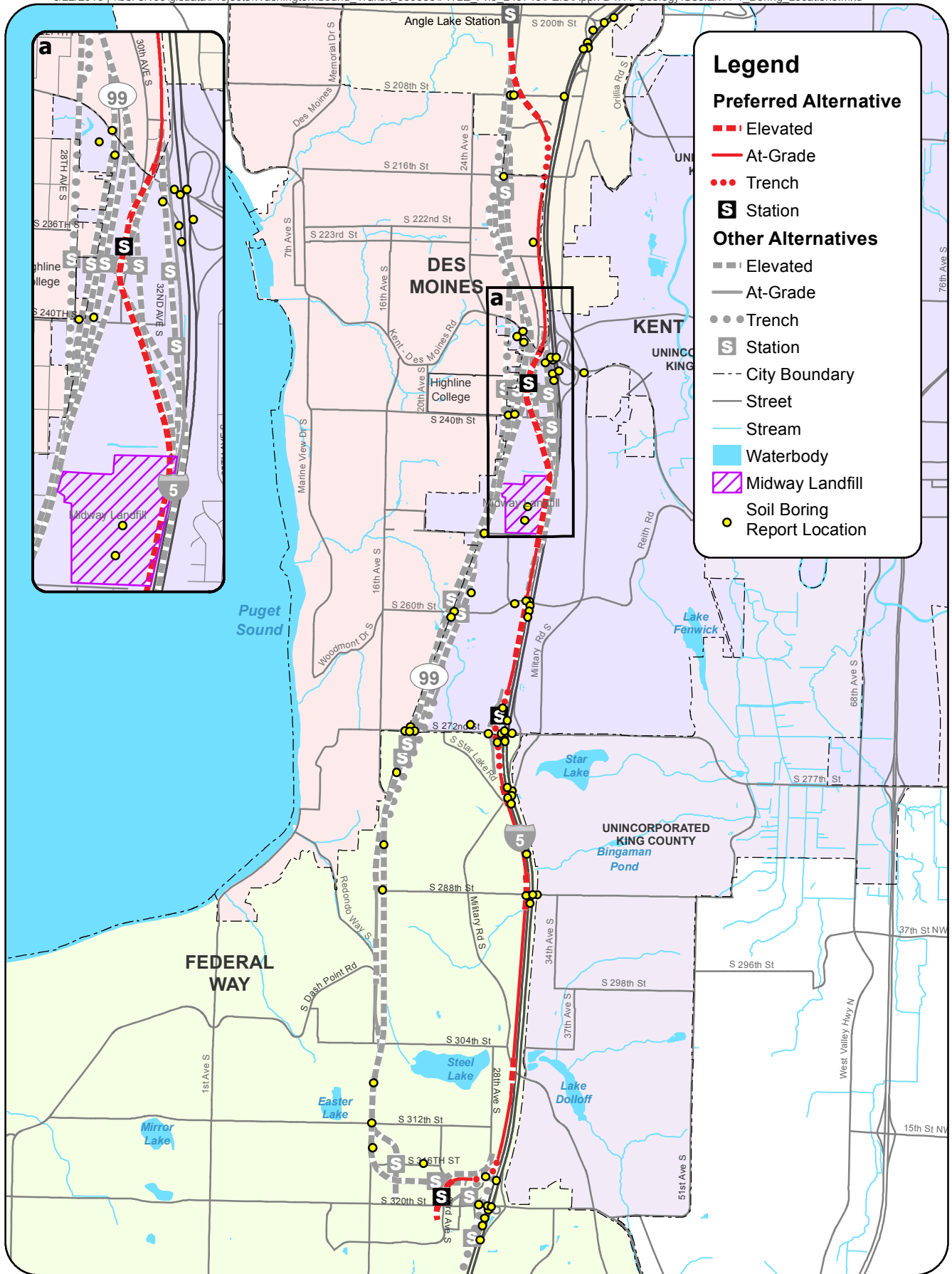
Summary of Geologic Units and Engineering Properties

Geologic Unit (Map Symbol)	Description	General Constructability	Density and/or Hardness	Strength	Permeability	Liquefaction Potential
Modified land (m)	Fill and/or graded natural soils that obscure or alter the original soils.	Varying. Poor foundation support and poor cut stability if non-engineered, good foundation support and cut stability if engineered	Variable	Variable	Variable	High if below water table
Wetland deposits (Qw)	Organic-rich sediment, peat, and fine-grained alluvium deposited in and around wetlands; not all deposits mapped.	Poor foundation support, poor cut stability, high occurrence of groundwater, poor soils for reuse as engineered fill	Very soft to medium stiff	Low	Variable	High
Vashon recessional outwash deposits (Qvr)	Layered sand and gravel with minor silt and clay layers deposited in outwash channels emanating from retreating glaciers as well as in and adjacent to recessional lakes.	Fair to good foundation support and stable cuts when undisturbed, unless below the water table or exposed to water; potential groundwater occurrence; soils suitable for reuse as engineered fill	Loose to dense	Low to medium	Medium	Medium if below water table
Vashon glacial till (Qvt)	Non-sorted mixture of clay, silt, sand, gravel, cobbles, and boulders deposited along the base of the Vashon glacial ice. The upper 2 to 5 feet is often weathered. These materials are generally heterogeneous, yet often exhibit considerable variation in composition over short distances.	Excellent foundation support and stable cuts when undisturbed; perched groundwater sometimes encountered; wet-weather sensitive, soils suitable for reuse as engineered fill depending on moisture content	Medium dense to very dense	High	Low	Low
Advance outwash (Qva)	Stratified sand with gravel and some cobbles deposited by streams emanating from advancing glaciers and subsequently glacially consolidated. Advance outwash deposits typically contain relatively low fines content. However, locally, the advance outwash can be silty and contain layers of fine-grained sands and silts.	Excellent foundation support and stable cuts when undisturbed, unless below the water table or exposed to water; potentially high groundwater occurrence; soils suitable for reuse as engineered fill	Dense to very dense	High	Medium to high	Low
Pre-Fraser coarse-grained deposits (Qpfc)	Stratified sand and gravel nonglacial deposits. Coarse grained deposits typically contain oxidized sand and gravel but may locally include silt and clay layers.	Excellent foundation support and stable cuts when undisturbed, unless below the water table or exposed to water; potentially high groundwater occurrence; soils suitable for reuse as engineered fill	Dense to very dense	High	Medium to High	Low

TABLE D4.11-2

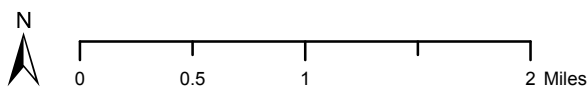
Summary of Geologic Units and Engineering Properties

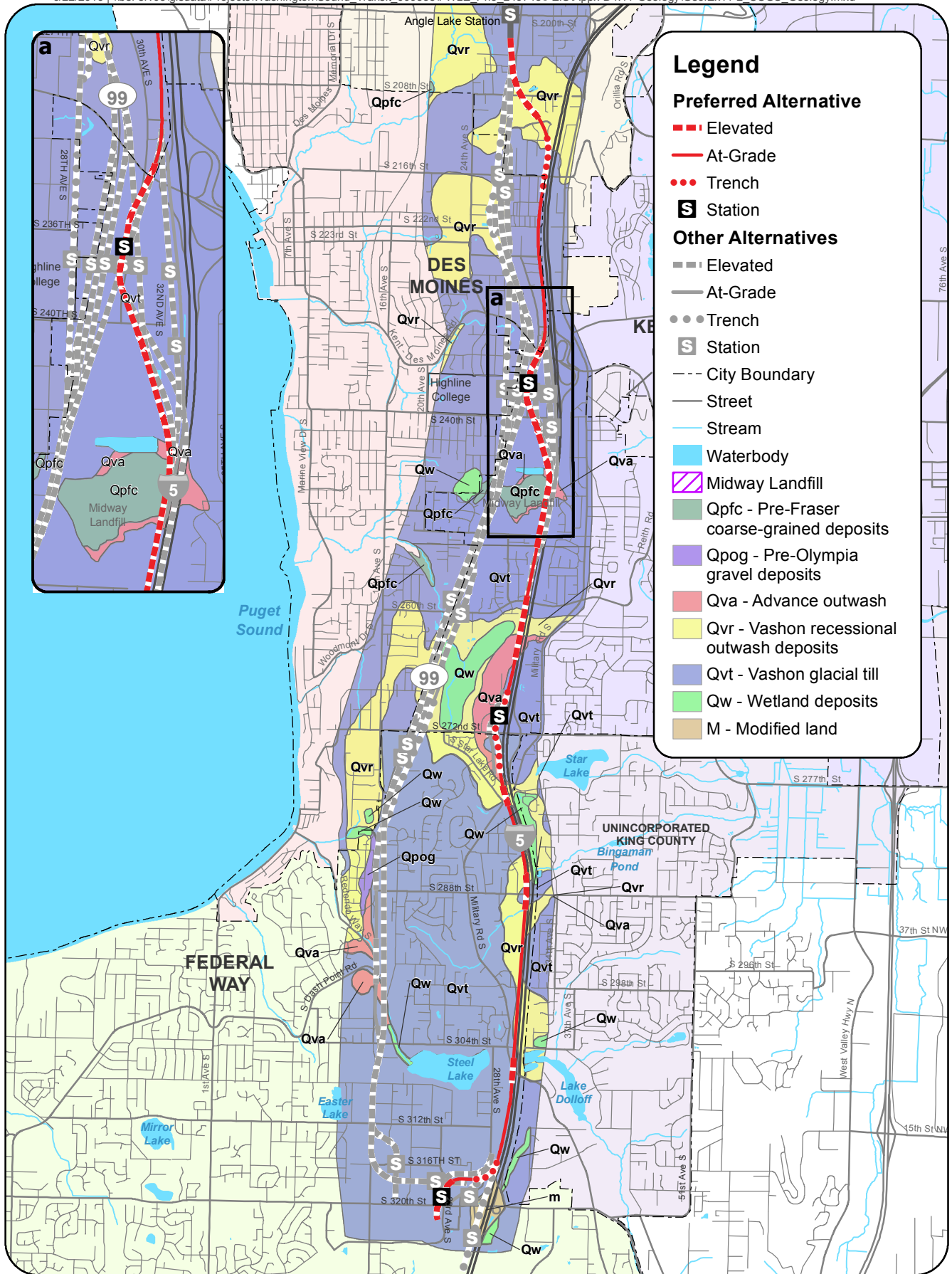
Geologic Unit (Map Symbol)	Description	General Constructability	Density and/or Hardness	Strength	Permeability	Liquefaction Potential
Pre-Olympia gravel deposits (Qpog)	Stratified gravel nonglacial deposits, similar to Pre-Fraser unit, but older.	Excellent foundation support and stable cuts when undisturbed, unless below the water table or exposed to water; potentially high groundwater occurrence; soils suitable for reuse as engineered fill	Dense to very dense	High	Medium to High	Low



Data Sources: USGS (2013), King County, Cities of Des Moines, Federal Way, Kent, SeaTac (2015).

EXHIBIT D4.11-1
Subsurface Investigation Report Locations





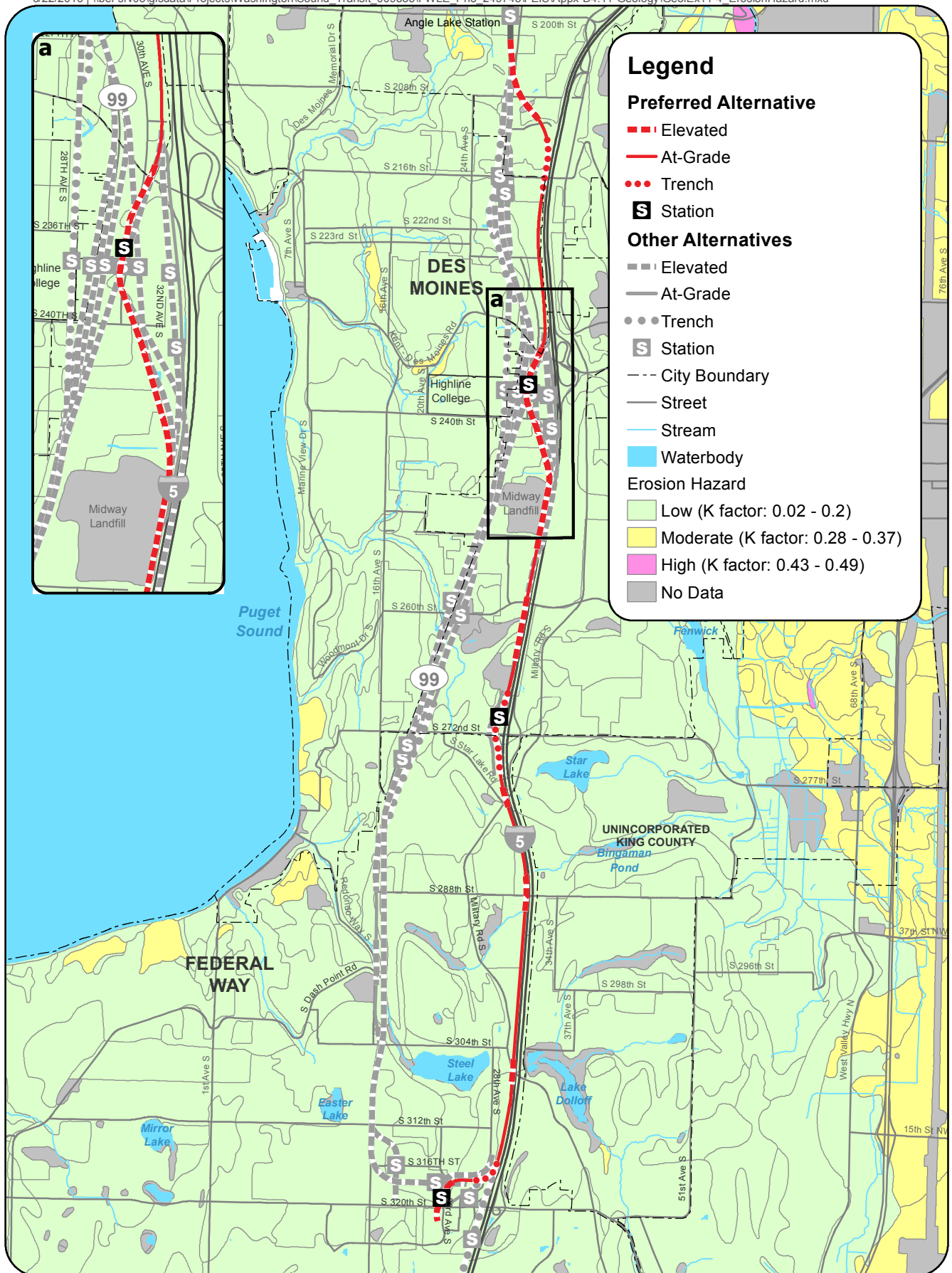
Data Sources: USGS (2013), King County, Cities of Des Moines, Federal Way, Kent, SeaTac (2015).

EXHIBIT D4.11-2
USGS Geology Units



EXHIBIT D4.11-3
Topography

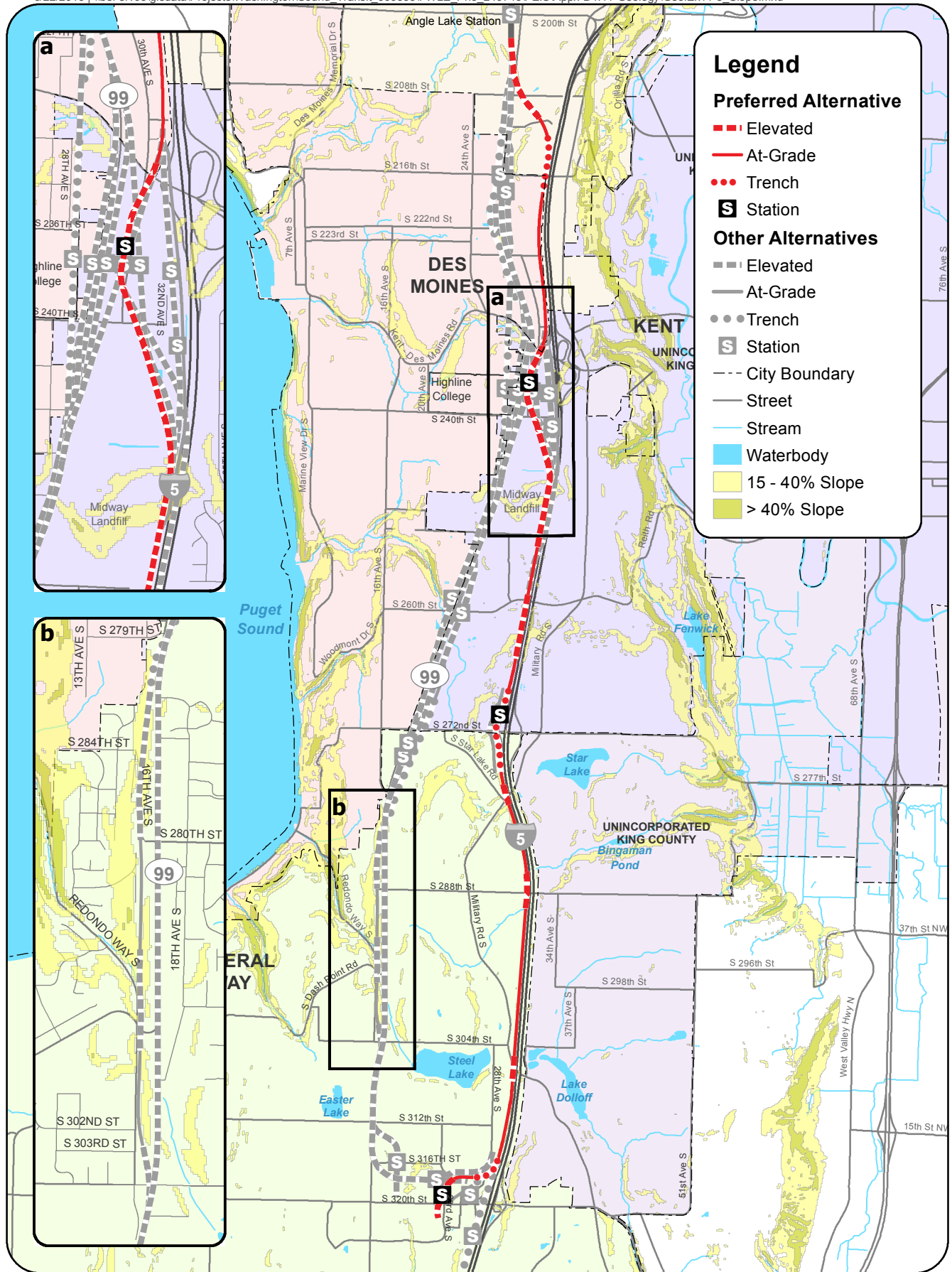




Data Sources: USGS (2013), King County, Cities of Des Moines, Federal Way, Kent, SeaTac, (2015).

EXHIBIT D4.11-4
Erosion Hazard





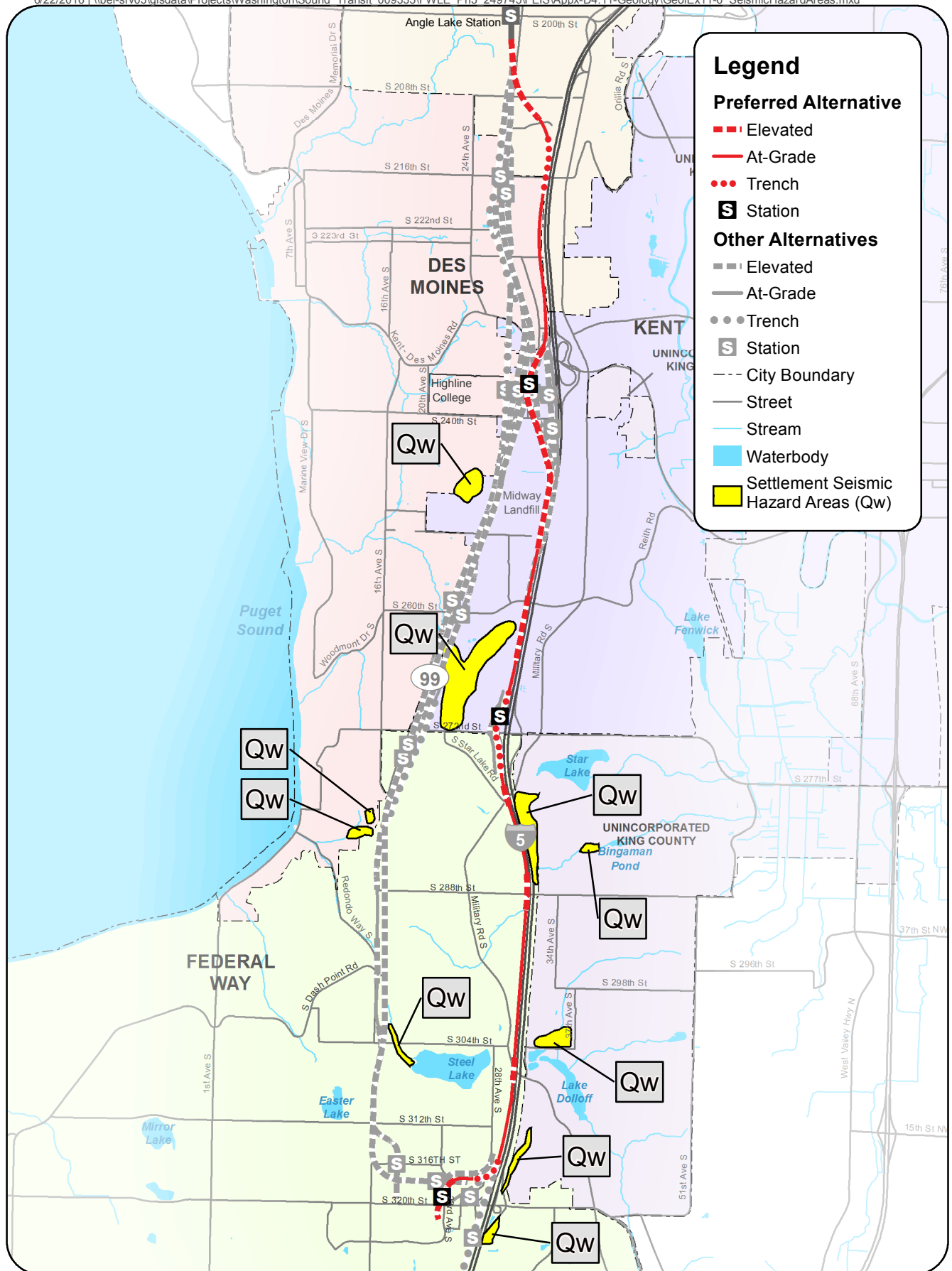
Data Sources: USGS (2013), King County, Cities of Des Moines, Federal Way, Kent, SeaTac (2015).

EXHIBIT D4.11-5

Steep Slopes

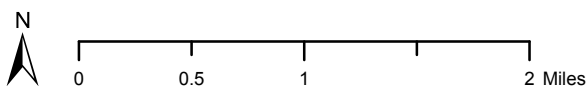


Federal Way Link Extension



Data Sources: USGS (2013), King County, Cities of Des Moines, Federal Way, Kent, SeaTac, (2015).

EXHIBIT D4.11-6
Settlement Seismic Hazard Areas



Appendix D4.12
Hazardous Materials

Hazardous Materials

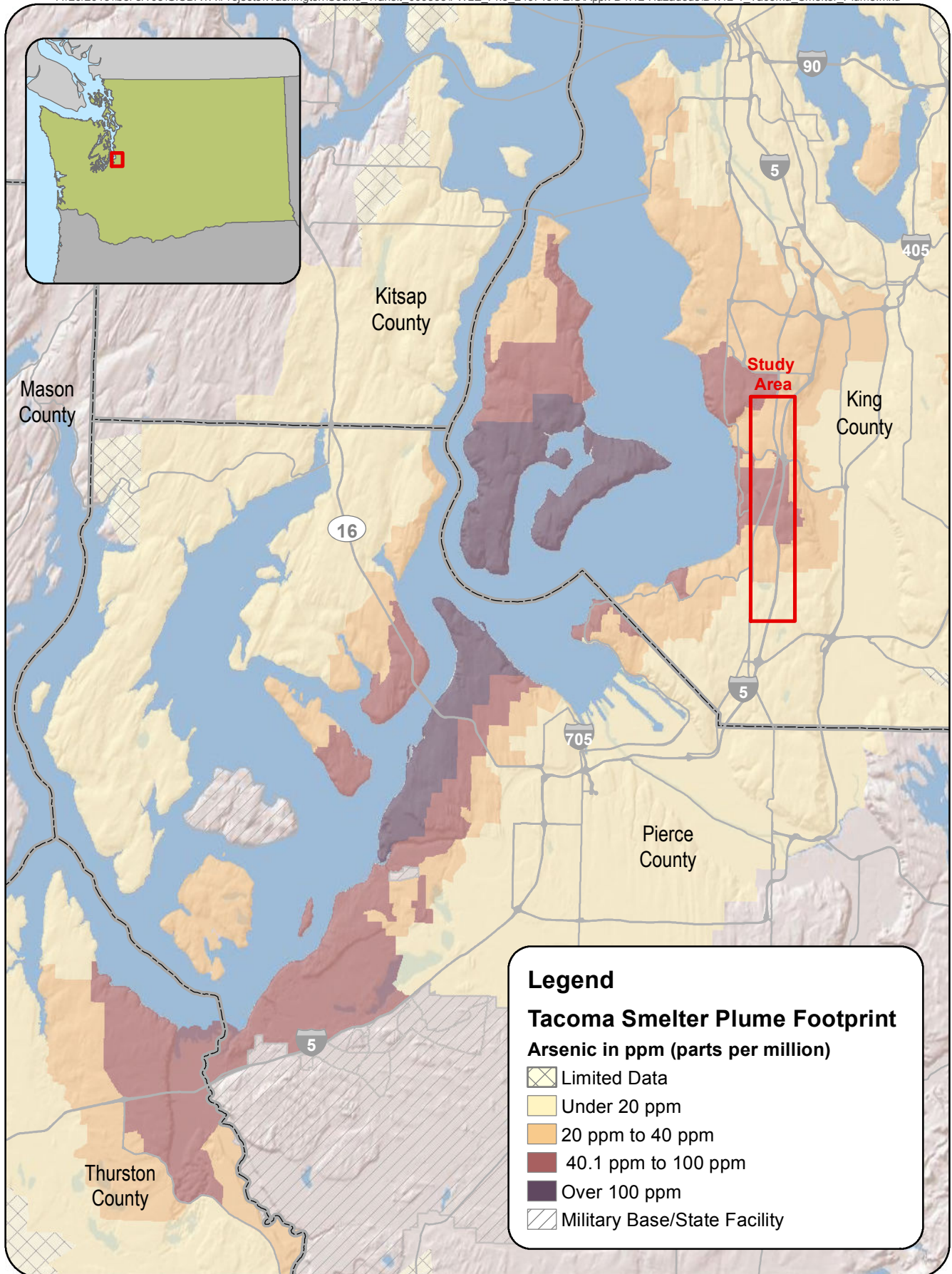
Exhibit D4.12-1 shows arsenic concentrations in the project vicinity from the Tacoma ASARCO smelter operations.

Table D4.12-1 identifies the number of high, medium, and low risk sites within the study area for each alternative and the increase or decrease of sites for station and alignment options. A detailed description of the high risk sites in the study area is provided after Table D4.12-1 and is summarized in Section 4.12 of the Final Environmental Impact Statement (EIS).

Table D4.12-2 lists the hazardous materials sites identified in the study area. The map identification (ID) numbers listed for certain high-risk sites refer to the site numbers shown on the high-risk hazardous material sites maps, Exhibits 4.12-1 and 4.12-2, included in Section 4.12 of the Final EIS.

Applicable laws and regulations include the following:

- Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (42 United States Code [U.S.C.] 9601, et seq.)
- Superfund Amendments and Reauthorization Act (Public Law No. 99-499)
- Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6901, et seq.)
- Clean Water Act (33 U.S.C. Section 1251, et seq.)
- Toxic Substances Control Act (15 U.S.C. 2601-2629)
- Dangerous Waste Regulations (WAC 173-303)
- Model Toxics Control Act (MTCA) (WAC 173-340)
- Underground Storage Tanks (WAC 163-360)
- Sediment Management Standards (WAC 173-204)



Data Sources: WADOE (2014), ESRI, WADNR (2015).



EXHIBIT D4.12-1
Tacoma Smelter Plume

Federal Way Link Extension

TABLE D4.12-1

Number of Sites within Study Area (within 660 feet of each alternative)

Alternatives	Number of Sites within Study Area		
	High Risk Level	Medium Risk Level	Low Risk Level
Preferred Alternative	3	20	73
Kent/Des Moines Station Options			
Kent/Des Moines At-Grade Station Option	-1	-	-
Kent/Des Moines I-5 Station Option	-1	+4	-
Landfill Median Alignment Option	-1	-	-
S 272nd Star Lake Elevated Station Option	-	-	-
S 317th Elevated Alignment Option	-	-	-
Federal Way City Center Station Options			
Federal Way I-5 Station Option	-	-2	+1
Federal Way S 320th Park-and-Ride Station Option	-1	-	-
SR 99 Alternative	7	58	86
S 216th Station Options			
S 216th West Station Option	+1	-1	-
S 216th East Station Option	-	-	-
Kent/Des Moines Station Options			
Kent/Des Moines HC Campus Station Option	-	-6	-
Kent/Des Moines SR 99 Median Station Option	-	-	-
Kent/Des Moines SR 99 East Station Option	-	-	-
S 260th Station Options			
S 260th West Station Option	-	-	-
S 260th East Station Option	-	-	-
S 272nd Redondo Trench Station Option	-1	-	-
Federal Way SR 99 Station Option	-1	-	-
SR 99 to I-5 Alternative	4	39	48
S 216th Station Options			
S 216th West Station Option	+1	-1	-
S 216th East Station Option	-	-	-
Landfill Median Alignment Option	-1	-	-
Federal Way City Center Station Options			
Federal Way I-5 Station Option	-	-2	+1
Federal Way S 320th Park-and-Ride Station Option	-1	-	-
I-5 to SR 99 Alternative	4	41	74
S 260th Station Options			
S 260th West Station Option	-	-	-
S 260th East Station Option	-	-	-
S 272nd Redondo Trench Station Option	-	-	-
Federal Way SR 99 Station Option	-1	-	-

Note: The number of hazardous material sites for all risk levels should be considered as a snapshot in time. Actual facility environmental conditions vary over time and environmental databases are constantly being updated. Sites are added or deleted regularly. The number of medium- and low-risk sites should be approximate because the site locations have been identified as a single point and portions of a property can fall inside or outside of the 1/8-mile (660-foot) buffer.

Description of High Risk Sites in the Study Area:

- Sunmart 1 (Map ID Site 72) is a former service station that reported a release of petroleum to soil and groundwater as the result of Phase II Environmental Site Assessment activities in 1989. Petroleum-impacted groundwater remains at the site above Model Toxics Control Act (MTCA) Method A cleanup levels. Groundwater has been observed at depths from 5 to 26 feet below ground surface. Semi-annual groundwater sampling continues at the site.
- Midway Texaco (Map ID Site 44) is an active service station that reported a release of gasoline and diesel in 1992. A groundwater monitoring program was implemented at the site in 1994. Petroleum-impacted groundwater remains at the site above MTCA Method A cleanup levels. Groundwater has been observed at depths from 9 to 27 feet below ground surface. Semi-annual groundwater sampling continues at the site.
- Midway Cleaners (Map ID Site 78) is a dry cleaning business. Subsurface investigations and interim remedial actions conducted at Midway Cleaners in the early 2000s identified the presence of tetrachloroethylene (PCE) in soil and groundwater above MTCA Method A cleanup levels. The release of PCE to soil and groundwater is attributable to past operations and practices of the dry-cleaning business at the site. Contaminated groundwater generally flows to the west. A soil vapor extraction remedial system is operating and groundwater monitoring continues at the site.
- Japanese Auto Sales & Service (Map ID Site 82) is a former auto sales and service shop; Ecology records indicated the business ceased operations sometime before January 2007. During an April 2003 site visit by Ecology, U.S. Environmental Protection Agency Region 10, Puget Sound Clean Air Agency, and Kent Code Enforcement Office, the following was noted:
 - Over 100 engines and transmissions stacked in piles on the property.
 - A large number of wrecked cars in various phases of dismantlement.
 - Numerous barrels of used oil and antifreeze stored on the property.
 - Considerable oil staining on asphalt.
 - Ecology believed conditions at Japanese Auto Sales & Service gave Ecology authority to issue penalties for non-compliance with the Washington State Dangerous Waste Regulations.
 Additional investigation of soil and water do not appear to have occurred at the property.
- 7-11 Eleven No. 18758 (Map ID Site 73) is an active service station that reported a release of petroleum to soil and groundwater following underground storage tank removal activities in 2010. Petroleum-impacted groundwater remains at the site above MTCA Method A cleanup levels. Groundwater has been observed at depths from 2 to 11 feet below ground surface. Semi-annual groundwater sampling continues at the site.
- Arco 5363 (Map ID Site 85) is an active service station that reported a release of petroleum to soil and groundwater following a Phase II Environmental Site Assessment in 2004. Petroleum-impacted groundwater remains at the site above MTCA Method A cleanup levels. Groundwater has been

observed at depths from 2.5 to 23 feet below ground surface. Semi-annual groundwater sampling continues at the site.

- The Midway Landfill (Map ID Site 84) is a high risk Superfund site. See Section 4.12 of the Final EIS for a full description of this site.
- Arco 5241 (Map ID Site 59) has been an active service station since 1975. Petroleum hydrocarbon concentrations in the soil and groundwater at this site are above MTCA Method A cleanup levels. Petroleum hydrocarbons are volatile and may travel as vapors in the subsurface. Although a multiphase extraction remedial system and groundwater monitoring have occurred, there is the potential for subsurface vapor to have migrated beyond the property.

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
Preferred	Precision Tune Auto Repair 21606 Pacific Hwy S Des Moines, WA	Low	City Directory	
Preferred	22002 Pacific Hwy S Des Moines, WA 98198	Low	Windshield	
Preferred	The Printer 22246 Pacific Hwy S Des Moines, WA	Low	City Directory	
Preferred	Kent Learning Center 22420 Military Rd Des Moines, WA 98198 (Also listed as Kent Mountain View Academy)	Low	Database, Windshield	CSCSL NFA, WA ICR, RCRA-NonGen, FINDS, ALLSITES
Preferred	SeaTac Foreign Auto 22616 Pacific Hwy S Des Moines, WA	Low	City Directory	
Preferred	Kost Auto Sales 22820 Pacific Hwy Des Moines, WA 98198	Low	Database, Windshield	CSCSL, ALLSITES, FINDS
Preferred	Midway Motors 22834 Pacific Hwy Des Moines, WA 98198	Low	Database, Windshield, City Directory	CSCSL, HSL, ALLSITES, FINDS
Preferred	Midway Texaco Station 23030 Pacific Hwy S Des Moines, WA	Low	City Directory	
Preferred	Midway Texaco (Map ID Site 44) 23031 Pacific Hwy Des Moines, WA 98198-7269 (Also listed as Texaco #63 23 1420, Shell 120943, Texaco #63 232 1429)	High	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, ICR, ALLSITES, RCRA-NonGen, FINDS, Manifest
Preferred	Midway Crossing 23223 Pacific Hwy S Kent, WA 98032	Low	Database, Windshield	UST, CSCSL NFA, INST Control, VCP, ALLSITES, FINDS
Preferred	Gasomat Self Service Gas Station (1973) 23402 30th Ave S Kent, WA	Low	City Directory	
Preferred	Kings Dry Cleaners 23416 Pacific Hwy Kent, WA 98032	Low	Database, Windshield	RCRA-NonGen, FINDS, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
Preferred	Aero Dry Cleaners 23418 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Southgate Oil 23428 Pacific Hwy Kent, WA 98032	Low	Database, Windshield, City Directory	CSCSL, LUST, UST, ICR, ALLSITES, WA-FSIS
Preferred	23448 30th Avenue Kent, WA 98032	Low	Windshield	
Preferred	Vacant 23449 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Midway Auto Body Repair 23454 30th Ave Kent, WA 98032 (Also listed as Midway Auto Repair and Midway Auto Repair UST)	Low	Database, City Directory	CSCSL NFA, UST, ICR, RCRA-NonGen, FINDS, ALLSITES
Preferred	Murray's Collision Center 23456 30th Avenue Kent, WA 98032	Low	Windshield	
Preferred	American Japanese Automotive Murray's Collision Repair 23608 30th Ave S Kent, WA	Low	City Directory	
Preferred	All City Auto 23616 Pacific Hwy S Kent, WA 98032	Low	Windshield, City Directory	
Preferred	Arco 4484 24001 Pacific Hwy Kent, WA 98032 (Also listed as Unknown, Arco 4484, Midway AMPM, Arco Am/Pm)	Low	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, RCRA-NonGen, ALLSITES, FINDS, Spills, WA Financial Assurance, HMIRs
Preferred	Gresham Transfer Inc 24300 Pacific Hwy Kent, WA 98032 (Also listed as Widing Transportation Inc)	Low	Database, Windshield, City Directory	CERC-NFRAP, CSCSL NFA, VCP, UST, ICR, ALLSITES, NPDES, ERNS, RCRA-NonGen, FINDS
Preferred	Dutchman Fiberglass Products 24404 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Midway Rental and Oil Inc 24432 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Production Plastics Inc Manufacturing 24602 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Die Mold Inc (Mfg) 24660 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Midway Landfill (Map ID Site 84) 24800 Pacific Hwy S. Kent, WA 98031 (Also listed at 24804, 24808, 24810, and 24812 Pacific Hwy S)	High	Database, Windshield, City Directory, AERIALS	NPL, CERCLIS, RCRA-NonGen, US ENG Controls, US INST Control, ROD, FINDS, CSCSL, HSL, ALLSITES, MANIFEST

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
Preferred	Buda NW Marine Diesel Engine 24806 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Mid City Materials Inc (Mason Sups) 24816 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	NW Truckworks Inc (Body Repair) 25032 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Fred Meyer 25250 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Gull Self Service 25252 Pacific Hwy S Kent, WA	Low	City Directory	
Preferred	Midway Classic Cleaners Inc 25440 Pacific Hwy Kent, WA 98032	Low	Database, Windshield, City Directory	Inactive Cleaner, RCRA-NonGen, ALLSITES
Preferred	20800 32nd Lane SeaTac, WA	Low	Database	WA SPILLS
Preferred	PSE/Midway Sewer 3002 S 208th St Des Moines, WA	Low	Database	WA SPILLS
Preferred	Highline Water Dist 21238 31st Ave S Seattle, WA	Low	Database	FINDS, ALLSITES, CA HAZNET, RCRA-NonGen
Preferred	21202 30th Ave S SeaTac, WA	Low	Database	WA SPILLS
Preferred	PSE 2857 S 221st St Des Moines, WA	Low	Database	WA SPILLS
Preferred	Valley I5 Closed 23005 Military Rd Kent, WA	Low	Database	FINDS, ALLSITES, UST
Preferred	Unknown 34301 35th Place S Kent, WA	Low	Database	WA SPILLS
Preferred	Linda Heights Pump Station 3406 S 248th Place Kent, WA	Low	Database	ALLSITES, UST, FINDS
Preferred	Floyd R Hunt 3219 S 259th Place Kent, WA	Low	Database	FINDS, ALLSITES, CSCSL NFA, ICR
Preferred	26002 27th Place Kent, WA	Low	Database	WA SPILLS
Preferred	King County DOT DPW Star Lake Pit 26701 28th Ave S Kent, WA	Medium	Database	UST, FINDS, WA NPDES, ALLSITES, CSCSL NFA, VCP
Preferred	Unknown 2920 S 284th Street Federal Way, WA	Low	Database	WA SPILLS

TABLE D4.12-2
Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
Preferred	Lakehaven Utility District 288th & 32nd Ave S Burien, WA	Low	Database	WA SPILLS
Preferred	3001 S 288th Street Federal Way, WA	Low	Database	WA SPILLS, WA HIST CDL
Preferred	Lakehaven Utility 288th S 32nd Ave Federal Way, WA	Medium	Database	ALLSITES, CSCSL NFA, UST, ICR
Preferred	S 304th & 31st Ave Auburn, King, WA	Low	Database	WA SPILLS
Preferred	Arco 30915 26th Federal Way, WA	Low	Database	WA SPILLS
Preferred	Federal Way Waste Bar 26th Ave S & S 311th St Federal Way, WA 98003	Low	Database	RCRA-NonGen, FINDS, ALLSITES
Preferred	PSE 31220 28th Ave Federal Way, WA	Low	Database	WA SPILLS
Preferred	Federal Way City Maintenance Yard 31130 28th Ave S Federal Way, WA	Low	Database	RCRA-NonGen, FINDS, WA ALLSITES, WA MANIFEST
Preferred	HS Truman High School 31455 28th Ave S Federal Way, WA	Low	Database	FINDS
Preferred	South Fork 28th St Townhomes 31408 28th Ave S, Federal Way, WA	Low	Database	FINDS
Preferred	2517 316 Ln M 10, Federal Way, WA	Low	Database	WA HIST CDL
Preferred	2416 S 315 APT H206, Federal Way, WA	Low	Database	WA HIST CDL, US CDL, US HIST CDL
Preferred	Conoco Phillips 2535 S 320th, Federal Way, WA	Medium	Database	WA LUST, WA UST, RCRA-NonGen, FINDS, WA ALLSITES, WA MANIFEST, WA SPILLS, WA ICR, WA FINANCIAL ASSURANCE
Preferred	Exxon #7 2510 S 320th, Federal Way, WA	Medium	Database	WA ICR, WA UST, WA ALLSITES, WA CSCSL NFA, WA VCP
Preferred	Hampton Inn 31720 Gateway Center Blvd S, Federal Way, 98003	Low	Database	ALLSITES
Preferred	2216 SO 320th St, Federal Way, WA	Low	Database	WA SPILLS
Preferred	NW Bldg Corp 2210 So 320th St, Federal Way, WA 98003	Medium	Database	RCRA-NonGen, Finds, WA ALLSITES, WA CSCSL NFA

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
Preferred	Arco 5241 2202 S 320th St, Federal Way, WA	High	Database	FINDS
Preferred	2132 S 320th Federal Way, WA	Low	Database	WA SPILLS
Preferred	320th & I-5 Federal Way, WA	Low	Database	WA SPILLS
Preferred	Boeing Federal Way 3004 S 320th, Federal Way, WA	Low	Database	RCRA-Nongen, FINDS, WA ALLSITES
Preferred	Target 2201 S Commons, Federal Way, WA	Low	Database	WA ALLSITES, WA MANIFEST, RCRA LQG, CAHAZNET, FINDS
SR 99	Evergreen Cleaners Dry Cleaners 20019 Pacific Hwy S SeaTac, WA	Medium	City Directory	
SR 99	SeaTac U-Haul Service Center 20024 Pacific Hwy S SeaTac, WA	Low	City Directory	
SR 99	Office Bldg (Multiple Tenants) 20040 Pacific Hwy S SeaTac, WA	Low	City Directory	
SR 99	Kenworth NW SeaTac 20220 International Blvd SeaTac, WA 98198	Medium	Database, Windshield	UST, ALLSITES, FINDS
SR 99	Alamo Rent A Car Inc 20636 International Blvd SeaTac, WA 98198 (Also listed as Advantage Rent-A-Car)	Medium	Database, Windshield	CSCSL, LUST, UST
SR 99	Unocal 3965 20658 International Blvd, SeaTac, WA 98198	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, ALLSITES, FINDS
SR 99	Bob's Welding 20835 Pacific Hwy S SeaTac, WA	Low	City Directory	
SR 99	Electronic Workshop (Vest Mfrs) 20846 Pacific Hwy S SeaTac, WA	Low	City Directory	
SR 99	Pacific Auto and Brake and Muffler 20856 Pacific Hwy S SeaTac, WA	Medium	City Directory	
SR 99	Southland Corp 2307 21776 21454 International Blvd SeaTac, WA 98198	Medium	Database, Windshield, City Directory	LUST, ICR, UST, ALLSITES, FINDS
SR 99	Goodyear/Eagle Tire & Automotive 21409 International Blvd Des Moines, WA 98198 (Also listed as Safeway Fuel 3540 and Eagle Tire and Automotive)	Medium	Database, Windshield	UST, ICR, RCRA-NonGen, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	Photoworks (Photo Processing) 21415 Pacific Hwy S Des Moines, WA	Low	City Directory	
SR 99	Royal Fabric Care Center Des M 21445 International Blvd Des Moines, WA 98198-6074	Medium	Database, Windshield, City Directory	RCRA-NonGen, FINDS, ALLSITES
SR 99	Sunmart 1 (Map ID Site 72) 21449 International Blvd Des Moines, WA 98198 (Also listed as Texaco #63 232 0282, Texaco Station 120886)	High	Database, Windshield, City Directory	CSCSL, LUST, WA ICR, VCP, RCRA-NonGen, FINDS, ALLSITES, Manifest, WA Financial Assurance
SR 99	Precision Tune Auto Repair 21606 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	Melody TV and Appliance Sales 21635 Pacific Hwy S Des Moines, WA	Low	City Directory	
SR 99	Midway Laundromat and Drycleaners 21655 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	Winston 99 Auto Repair 21666 Pacific Hwy S Des Moines, WA 98198	Medium	Windshield	
SR 99	Grosso Enterprises Self Serve 21667 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	Pete's Welding 21841 Pacific Hwy S Des Moines, WA 98198	Medium	Windshield, City Directory	
SR 99	J&M Finishing (Auto Marine Equipment), Stainless Fasteners Inc (Corrosion, Heat Resistant), B-Dry Waterproofing Contr 22001 Pacific Hwy S, Ste. 106 Des Moines, WA	Low	City Directory	
SR 99	22002 Pacific Hwy S Des Moines, WA 98198	Medium	Windshield	
SR 99	Elite Printing and Copying 22247 Pacific Hwy S, Ste. A Des Moines, WA	Low	Windshield	
SR 99	NW Salvage Co 22329 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	The Printer 22246 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	SeaTac Foreign Auto 22616 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	Kost Auto Sales 22820 Pacific Hwy Des Moines, WA 98198	Medium	Database, Windshield	CSCSL, ALLSITES, FINDS

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	Midway Motors 22834 Pacific Hwy Des Moines, WA 98198 NOTE: Midway Motors was identified as a high-risk site based on the potential for significant contamination; however, based on the alignment of alternatives and station options, it is not expected to be impacted by the project.	High	Database, Windshield, City Directory	CSCSL, HSL, ALLSITES, FINDS
SR 99	Midway Builders (Starter and Alternators) 22845 Pacific Hwy S Des Moines, WA	Low	City Directory	
SR 99	Roberlee Property/AA Rentals 22868 Pacific Hwy Des Moines, WA 98198 (Also listed as PSE)	Low	Database, Windshield, City Directory	ICR
SR 99	Midway Texaco Station 23030 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	Midway Texaco (Map ID Site 44) 23031 Pacific Hwy Des Moines, WA 98198-7269 (Also listed as Texaco #63 23 1420, Shell 120943, Texaco #63 232 1429)	High	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, ICR, ALLSITES, RCRA-NonGen, FINDS, Manifest
SR 99	Midas Muffler & Brake Shop 23100 Pacific Hwy Des Moines, WA 98198	Low	Database, Windshield, City Directory	CLCSL NFA, UST, ICR, ALLSITES, FINDS
SR 99	Asia Auto Service 23405 ½ Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	Pacific Highway Shell 23419 Pacific Hwy Des Moines, WA 98198 (Also listed as Shell 120956 and Anderson Shell)	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, ALLSITES, RCRA-NonGen, FINDS, WA MANIFEST, ICIS, Spills
SR 99	Chevron 23845 Pacific Hwy S Des Moines, WA 98198	Medium	Windshield	
SR 99	B & B Aircraft Equipment 24401 Pacific Hwy S Des Moines, WA 98198	Medium	Database, Windshield, City Directory	LUST, UST, ALLSITES RCRA-NonGen, FINDS
SR 99	Chevron 25915 Pacific Hwy S Des Moines, WA 98198	Low	Windshield	
SR 99	7 Eleven No. 18758 (Map ID Site 73) 26007 Pacific Hwy Des Moines, WA 98198	High	Database, Windshield, City Directory	CSCSL, LUST, UST, ALLSITES, FINDS, ALLSITES, CCSCSL, ALLSITES, RCRA-NonGen, FINDS
SR 99	Joinus Cleaners 27041 Pacific Hwy Des Moines, WA 98198 NOTE: Joinus Cleaners was identified as a high-risk site based on the potential for significant contamination; however, based on the alignment of alternatives and station options, it is not expected to be impacted by the project.	High	Database, Windshield	

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	Redondo Martinizing (Clean Alterations) 27211 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99	King County Fire District #26 2238 223rd St Des Moines, WA 98198	Low	Database, Windshield	ICR
SR 99	Des Moines City 2255 223rd St Des Moines, WA 98198 (Also listed as Puget Sound Energy/Puget Power)	Low	Database, Windshield	LUST, UST, ICR, FINDS, ALLSITES
SR 99	Midway Auto (Exxon) 2802 Kent-Des Moines Rd Des Moines, WA 98198 (Also listed as Quality Auto Electric)	Medium	Database, Windshield, City Directory	CSCSL NFA, UST, ICR, RCRA-NonGen, FINDS, ALLSITES
SR 99	Hauser Property Davis Const 244th St & 26th Pl Des Moines 98198 (Also listed as US DOE NRO Hauser Property Site)	Low	Database	CSCSL, CSCSL NFA, INST Controls, FINDS, ALLSITES, RCRA-NonGen FINDS
SR 99	Victorian Phase Ii (Two Reports) 24512 26th Pl Des Moines, WA 98198	Low	Database, Windshield	ICR
SR 99	Davis Construction Co Inc 24515 26th Pl Des Moines, WA 98198	Low	Database, Windshield	CSCSL NFA, INST Control, VCP, WA-FSIS, ALLSITES
SR 99	Shell 1720 S. 272nd Des Moines, WA 98198	Low	Windshield	
SR 99	Midway Crossing 23223 Pacific Hwy S Kent, WA 98032	Medium	Database, Windshield	UST, CSCSL NFA, INST Control, VCP, ALLSITES, FINDS
SR 99	Midway Tire and Wheel (Whse) 23257 Pacific Highway S Kent, WA	Low	City Directory	
SR 99	Gasomat Self Service Gas Station 23402 30th Ave S Kent, WA	Medium	City Directory	
SR 99	A&B Auto Sales 23410 30th Avenue Kent, WA 98032	Low	Windshield	
SR 99	Kings Dry Cleaners 23416 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield	RCRA-NonGen, FINDS, ALLSITES
SR 99	Aero Dry Cleaners 23418 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	US Post Office (Midway Station) 23420 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Southgate Oil 23428 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, ICR, ALLSITES, WA-FSIS

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	Mid Cities Disposal Co 23440 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Midway Barber Shop 23445 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	23448 30th Avenue Kent, WA 98032	Low	Windshield	
SR 99	Vacant 23449 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	Life Safer 23452 30th Avenue Kent, WA 98032	Low	Windshield	
SR 99	Midway Auto Body Repair 23454 30th Ave Kent, WA 98032 (Also listed as Midway Auto Repair and Midway Auto Repair UST)	Medium	Database, City Directory	CSCSL NFA, UST, ICR, RCRA-NonGen, FINDS, ALLSITES
SR 99	Murray's Collision Center 23456 30th Avenue Kent, WA 98032	Medium	Windshield	
SR 99	American Japanese Automotive Murray's Collision Repair 23608 30th Ave S Kent, WA	Medium	City Directory	
SR 99	Jiffy Lube 23610 Pacific Hwy S Kent, WA 98032	Low	Windshield	
SR 99	23612 Pacific Hwy S Kent, WA 98032	Low	Windshield	
SR 99	All City Auto 23620 Pacific Hwy S Kent, WA 98032	Medium	Windshield, City Directory	
SR 99	Midway Cleaners (Map ID Site 78) 23647 Pacific Hwy S Kent, WA 98032	High	Database, Windshield, City Directory	CSCSL, VCP, LQG, FINDS, ALLSITES, MANIFEST
SR 99	Midway Muffler and Radiator Repair 23898 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Bucky's Muffler 23928 Pacific Hwy S Kent, WA 98032	Low	Windshield	
SR 99	Arco 4484 24001 Pacific Hwy Kent, WA 98032 (Also listed as Unknown, Arco 4484, Midway AMPM, Arco Am/Pm)	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, RCRA-NonGen, ALLSITES, FINDS, Spills, WA Financial Assurance, HMIRs
SR 99	Japanese Auto Sales & Service (Map ID Site 82) 24141 Pacific Hwy S Kent, WA 98032	High	Database, Windshield	CSCSL, ALLSITES, RCRA-NonGen, FINDS

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	Gresham Transfer Inc 24300 Pacific Hwy Kent, WA 98032 (Also listed as Widing Transportation Inc)	Low	Database, Windshield, City Directory	CERC-NFRAP, VCP, UST, ICR, ALLSITES, NPDES, ERNS, RCRA-NonGen, FINDS
SR 99	Dutchman Fiberglass Products 24404 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Midway Rental and Oil Inc 24432 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	Skip's Auto Rebuild 24433 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Wayne's Auto Repair 24441 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Northwest Powder Coats 24453 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	CSCSL, HSL, FINDS, ALLSITES
SR 99	Production Plastics Inc Manufacturing 24602 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Bernina's Sewing Store 24617 Pacific Hwy S. Kent, WA	Medium	City Directory	
SR 99	Service Battery of Seattle (Sales and Service) 24645 PACIFIC Hwy S Kent, WA	Low	City Directory	
SR 99	Die Mold Inc (Mfg) 24660 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Midway Landfill (Map ID Site 84) 24800 Pacific Hwy S. Kent, WA 98031 (Also listed at 24804, 24808, 24810, and 24812 Pacific Hwy S)	High	Database, Windshield, City Directory, Aerials	NPL, CERCLIS, RCRA-NonGen, US ENG Controls, US INST Control, ROD, FINDS, CSCSL, HSL, ALLSITES, MANIFEST
SR 99	SeaTac Automotive 24805 Pacific Hwy S Kent, WA 98032	Low	Windshield, City Directory	
SR 99	Buda NW Marine Diesel Engine 24806 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Mid City Materials Inc (Mason Sups) 24816 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Soundview Business Park 24823 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Midway Transmission 25009 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	LUST, UST, ALLSITES, ICR, FINDS

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	Midway Frame and Wheel Alignment 25013 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	NW Truckworks Inc (Body Repair) 25032 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	Binger's No 15 Rocket Service Station 25045 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	Aloha Cleaning Equipment 25235 Pacific Hwy S Ste. D & E Kent, WA	Medium	City Directory	
SR 99	Fred Meyer 25250 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	Gull Self Service 25252 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	Midway Classic Cleaners Inc 25440 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	Inactive Cleaner, RCRA-NonGen, ALLSITES
SR 99	Southland 7-11 #18758 26008 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	ICR
SR 99	Mace's Midway Service Station 26010 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	DC Laundry 26030 Pacific Hwy S Kent, WA 98032	Medium	Windshield	
SR 99	Cleaners 1 AKA The Cleanery #1 26112 Pacific Hwy Kent, WA 98032 NOTE: The Cleanery #1 was identified as a high-risk site based on the potential for significant contamination; however, based on the alignment of alternatives and station options, it is not expected to be impacted by the project.	High	Database, Windshield, City Directory	CSCSL, VCP, Drycleaner, RCRA-NonGen, FINDS, ALLSITES, ICR
SR 99	Federal Way Machine Shop 26450 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	Federal Way Machine Shop 26460 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99	Budget Batteries 27050 Pacific Hwy S Kent, WA 98032	Low	Windshield, City Directory	
SR 99	Redondo 1 Hr Cleaners 27203 Pacific Hwy S Kent, WA 98032 (Also listed as Arco #5363)	Medium	Database, Windshield	Inactive Drycleaner, RCRA-NonGen, FINDS, ALLSITES, WA SPILLS

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	The Performance Shop Auto Repair 27204 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99	M & D Service 27614 Pacific Hwy S Kent, WA 98031	Medium	Database, Windshield, City Directory	UST, FINDS, ALLSITES, UST, ALLSITES, FINDS
SR 99	Alfred J Schulte 27721 Pacific Hwy S Kent, WA 98031	Medium	Database, Windshield, City Directory	
SR 99	28028 Pacific Hwy S Kent, WA 98032	Low	Windshield	
SR 99	S 252nd St Pacific Hwy S 252nd St & Pacific Hwy Kent, WA 98032	Medium	Database	CLCSL, HSL, ALLSITES, FINDS
SR 99	Floyd R Hunt Inc 3219 259th Pl Kent, WA 98032	Low	Database, Windshield	CSCSL NFA, ICR
SR 99	Shell 260th St & Pacific Hwy Kent, WA 98032 (Also listed as Shell (Former))	Medium	Database, Windshield	ICR
SR 99	Arco 5363 (Map ID Site 85) 27202 Pacific Highway S at AM/PM Arc Federal Way, WA 98003 (Also listed as AM/PM Arco Station)	High	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, UST, SPILLS, RCRA-NonGen FINDS, Manifest, UIC, ALLSITES
SR 99	Movie Magic Movie Rentals Moxie's Powder Shop (Ski Rental and Repair) 27217 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Corner Mart Grocery 27313 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Redondo Heights Park & Ride Lot 27454 Pacific Hwy Federal Way, WA 98003 (Also listed as ChemWest)	Low	Database, Windshield, City Directory	CSCSL NFA, ALLSITES, RCRA-NonGen, LQG, UST, FINDS:
SR 99	Federal Way Soc 070715 27500 16th Ave Federal Way, WA 98003	Low	Database, Windshield	UST, ALLSITES, FINDS
SR 99	Glenn's Auto Repair Inc 27606 16th Ave Federal Way, WA 98003	Low	Database, Windshield	LUST, UST, ICR, ALLSITES, RCRA-NonGen, FINDS, MANIFEST
SR 99	Corner Mart Grocery 27313 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Lonnie's Radiator Service and Repair 27724 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	27802 Pacific Hwy S Federal Way, WA 98003	Low	Windshield	

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	B&M Trucking 27808 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Kim's Automotive 27820 Pacific Hwy S Federal Way, WA 98003	Low	Windshield	
SR 99	Lonnie's Radiator Service and Repair 27826 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Gull #0210 28722 Pacific Hwy Federal Way, WA 98003 (Also listed as Texaco Station 632320308)	Medium	Database, Windshield, City Directory	CSCSL NFA, ICR, UST, RCRA-NonGen, FINDS, ALLSITES
SR 99	Shell Oil Products US SAP 121050 28806 Pacific Hwy Federal Way, WA 98003 (Also listed as Texaco #004479)	Medium	Database, Windshield, City Directory	CLSL, LUST, ICR, UST ALLSITES, RCRA-NonGen, FINDS, MANIFEST
SR 99	Green Cleaners 29314 Pacific Hwy S, Suite 101b Federal Way, WA 98003	Medium	Windshield	
SR 99	All Pro Auto 29314 Pacific Hwy S, Suite 103 Federal Way, WA 98003	Low	Windshield	
SR 99	Ronaco Inc Mini Marts 29424 Pacific Hwy S, Ste B Federal Way, WA	Low	City Directory	
SR 99	Shell 29625 Pacific Hwy S Federal Way, WA	Medium	Windshield	
SR 99	76 Station 30401 Pacific Hwy S Federal Way, WA 98003	Low	Windshield	
SR 99	Al Holz Auto Service 30402 Pacific Hwy Federal Way, WA 98003	Medium	Database, Windshield, City Directory	UST, FINDS, ALLSITES
SR 99	Suds and Clean Arco (Gas Station) 30415 Pacific Hwy S Federal Way, WA	Medium	City Directory	
SR 99	Oil Express 30509 Pacific Hwy Federal Way, WA 98003 (Also listed as Susan Harrang)	Medium	Database, Windshield, City Directory	LUST, ICR, UST, FINDS, ALLSITES
SR 99	Federal Way Senior High School 30611 16th Av S Federal Way, WA 98003 (Also listed as Employment Transition Program)	Medium	Database, Windshield	UST, RCRA-NonGen, FINDS, ALLSITES, FINDS
SR 99	Valet Pro Dry Cleaning 30833 Pacific Hwy S Federal Way, WA	Medium	City Directory	
SR 99	ABC Texaco Station 30851 Pacific Hwy S Federal Way, WA	Low	City Directory	

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	Bucky's Complete Auto Repair 30924 Pacific Hwy S Federal Way, WA 98003	Low	Windshield	
SR 99	7 Eleven 31006 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Chevron USA Inc SS 98538 31204 Pacific Hwy Federal Way, WA 98003	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, ICR, VCP, ALLSITES, WA MANIFEST, RCRA SQG, RCRA-NonGen, FINDS, WA FINANCIAL ASSURANCE:, SPILLS
SR 99	Federal Way Shopping Center 31205 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield	WA ICR
SR 99	Impact Pest Control 31218 Pacific Ste D Federal Way, WA	Low	City Directory	
SR 99	All Night Printing (All Night Printery, All Night Printery Inc) 31260 Pacific Hwy S, Ste 10 Federal Way, WA	Low	City Directory	
SR 99	Federal Way Shopping Center 31325 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield	CSCSL NFA, FINDS, ALLSITES
SR 99	Federal Way Printing 31413 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Fotomat Photographic Printing and Developing 31415 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Federal Way Car Wash 31458 Pacific Hwy Federal Way, WA 98003	Medium	Database, Windshield	LUST, UST, WA ICR, FINDS, ALLSITES
SR 99	Federal Way Cleaners 31601 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield, City Directory	INACTIVE DRYCLEANERS, RCRA-NonGen, FINDS, ALLSITES
SR 99	Happy Maid Cleaners 31607 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield, City Directory	INACTIVE DRYCLEANERS, RCRA-NonGen, FINDS, ALLSITES
SR 99	SeaTac Tire Co 31629 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield	UST, RCRA-NonGen, FINDS, ALLSITES
SR 99	PSPL (PSPL) 31648 Pacific Hwy S Federal Way, WA	Low	City Directory	
SR 99	Shell Oil Product US SAP 121094 31660 Pacific Hwy Federal Way, WA 98003 (Also listed as Texaco #121094/Shell)	Low	Database, Windshield, City Directory	CSCSL, VCP, ICR, UST, ALLSITES, MANIFEST, SPILLS, WA FINANCIAL ASSURANCE, RCRA-NonGen, FINDS

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	Qwest - #070212 1900 288th St Federal Way, WA 98003 (Also listed as Qwest Corporation W00212, Qwest - #070212, and US West)	Low	Database, Windshield	CSCSL NFA, UST, WA ICR, FINDS, RCRA-NonGen, ALLSITES, WA Financial Assurance
SR 99	Sacajawea Park 1401 Dash Point Road Federal Way, WA	Medium	AERIALS, TOPOs	
SR 99	Sun Cleaners 312th St 1400 312th St Federal Way, WA 98003-4718 (Also listed as Cook Investment Bldg) NOTE: Sun Cleaners was identified as a high-risk site based on the potential for significant contamination; however, based on the alignment of alternatives and station options, it is not expected to be impacted by the project.	High	Database, Windshield, City Directory	CSCSL, INACTIVE DRYCLEANERS, RCRA-NonGen, FINDS, ALLSITES
SR 99	Federal Way Newspaper 1634 S 312th St Federal Way, WA	Low	City Directory	
SR 99	Robinson Printer Company 1640a S 312th St Federal Way, WA	Low	City Directory	
SR 99	Federal Way News 1640b S 312th St Federal Way, WA	Low	City Directory	
SR 99	Hillside Plaza Cleaners 2016 314th St Federal Way, WA 98003-5475	Medium	Database, Windshield	WA INACTIVE DRYCLEANERS, RCRA-NonGen, FINDS, ALLSITES
SR 99	Federal Way Waste Bar 26th Ave S & S 311th St Federal Way, WA 98003	Low	Database	RCRA-NonGen, FINDS, ALLSITES
SR 99	PSE 31220 28th Ave Federal Way, WA	Low	Database	WA SPILLS
SR 99	Federal Way City Maintenance 31130 28th Ave S Federal Way, WA	Low	Database	RCRA-NonGen, FINDS, WA ALLSITES, WA MANIFEST
SR 99	2517 316 Ln M 102, Federal Way, WA	Low	Database	WA HIST CDL
SR 99	2416 S 315 APT H206, Federal Way, WA	Low	Database	WA HIST CDL, US CDL, US HIST CDL
SR 99	Conoco Phillips 2535 S 320th, Federal Way, WA	Medium	Database	WA LUST, WA UST, RCRA-NonGen, FINDS, WA ALLSITES, WA MANIFEST, WA SPILLS, WA ICR, WA FINANCIAL ASSURANCE
SR 99	Exxon #7 2510 S 320th, Federal Way, WA	Medium	Database	WA ICR, WA UST, WA ALLSITES, WA CSCSL NFA, WA VCP
SR 99	Hampton Inn 31720 Gateway Center Blvd S, Federal Way, 98003	Low	Database	ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99	2216 SO 320th St, Federal Way, WA	Low	Database	WA SPILLS
SR 99	NW Bldg Corp 2210 So 320th St, Federal Way, WA 98003	Medium	Database	RCRA-NonGen, FINDS, WA ALLSITES, WA CSCSL NFA
SR 99	Arco 5241 2202 S 320th St, Federal Way, WA	High	Database	FINDS
SR 99	2132 S 320th Federal Way, WA	Low	Database	WA SPILLS
SR 99 to I-5	Evergreen Cleaners Dry Cleaners 20019 Pacific Hwy S SeaTac, WA	Medium	City Directory	
SR 99 to I-5	SeaTac U-Haul Service Center 20024 Pacific Hwy S SeaTac, WA	Low	City Directory	
SR 99 to I-5	Office Bldg (Multiple Tenants) 20040 Pacific Hwy S SeaTac, WA	Low	City Directory	
SR 99 to I-5	Kenworth NW SeaTac 20220 International Blvd SeaTac, WA 98198	Medium	Database, Windshield	UST, ALLSITES , FINDS
SR 99 to I-5	Alamo Rent A Car Inc 20636 International Blvd SeaTac, WA 98198 (Also listed as Advantage Rent-A-Car)	Medium	Database, Windshield	CSCSL, LUST, UST, ALLSITES
SR 99 to I-5	Unocal 3965 20658 International Blvd, SeaTac, WA 98198	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, ALLSITES, FINDS
SR 99 to I-5	Bob's Welding 20835 Pacific Hwy S SeaTac, WA	Low	City Directory	
SR 99 to I-5	Electronic Workshop (Vest Mfrs) 20846 Pacific Hwy S SeaTac, WA	Low	City Directory	
SR 99 to I-5	Pacific Auto and Brake and Muffler 20856 Pacific Hwy S SeaTac, WA	Medium	City Directory	
SR 99 to I-5	Southland Corp 2307 21776 21454 International Blvd SeaTac, WA 98198	Medium	Database, Windshield, City Directory	LUST, ICR, UST, ALLSITES, FINDS, UST, ICR, RCRA- NonGen, FINDS, ALLSITES
SR 99 to I-5	Goodyear/Eagle Tire & Automotive 21409 International Blvd Des Moines, WA 98198 (Also listed as Safeway Fuel 3540 and Eagle Tire and Automotive)	Medium	Database, Windshield	
SR 99 to I-5	Photoworks (Photo Processing) 21415 Pacific Hwy S Des Moines, WA	Low	City Directory	
SR 99 to I-5	Royal Fabric Care Center Des M 21445 International Blvd Des Moines, WA 98198-6074	Medium	Database, Windshield, City Directory	RCRA-NonGen, FINDS, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99 to I-5	Sunmart 1 (Map ID Site 72) 21449 International Blvd Des Moines, WA 98198 (Also listed as Texaco #63 232 0282, Texaco Station 120886)	High	Database, Windshield, City Directory	CSCSL, LUST Cleanup started (VCP) 6/1/95, UST, WA ICR, VCP, RCRA-NonGen, FINDS, ALLSITES, Manifest, WA Financial Assurance
SR 99 to I-5	Precision Tune Auto Repair 21606 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99 to I-5	Melody TV and Appliance Sales 21635 Pacific Hwy S Des Moines, WA	Low	City Directory	
SR 99 to I-5	Midway Laundromat and Drycleaners 21655 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99 to I-5	Winston 99 Auto Repair 21666 Pacific Hwy S Des Moines, WA 98198	Medium	Windshield	
SR 99 to I-5	Grosso Enterprises Self Serve 21667 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99 to I-5	Pete's Welding 21841 Pacific Hwy S Des Moines, WA 98198	Medium	Windshield, City Directory	
SR 99 to I-5	J&M Finishing (Auto Marine Equipment), Stainless Fasteners Inc (Corrosion, Heat Resistant), B-Dry Waterproofing Contr 22001 Pacific Hwy S, Ste. 106 Des Moines, WA	Low	City Directory	
SR 99 to I-5	22002 Pacific Hwy S Des Moines, WA 98198	Medium	Windshield	
SR 99 to I-5	Elite Printing and Copying 22247 Pacific Hwy S, Ste. A Des Moines, WA	Low	Windshield	
SR 99 to I-5	NW Salvage Co 22329 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99 to I-5	The Printer 22246 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99 to I-5	SeaTac Foreign Auto 22616 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99 to I-5	Kost Auto Sales 22820 Pacific Hwy Des Moines, WA 98198	Medium	Database, Windshield	

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99 to I-5	Midway Motors 22834 Pacific Hwy Des Moines, WA 98198 NOTE: Midway Motors was identified as a high-risk site based on the potential for significant contamination; however, based on the alignment of alternatives and station options, it is not expected to be impacted by the project.	High	Database, Windshield, City Directory	CSCSL, ALLSITES, FINDS, CSCSL, HSL, ALLSITES, FINDS
SR 99 to I-5	Midway Builders (Starter and Alternators) 22845 Pacific Hwy S Des Moines, WA	Low	City Directory	
SR 99 to I-5	Roberlee Property/AA Rentals 22868 Pacific Hwy Des Moines, WA 98198 (Also listed as PSE)	Low	Database, Windshield, City Directory	ICR
SR 99 to I-5	Midway Texaco Station 23030 Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99 to I-5	Midway Texaco (Map ID Site 44) 23031 Pacific Hwy Des Moines, WA 98198-7269 (Also listed as Texaco #63 23 1420, Shell 120943, Texaco #63 232 1429)	High	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, ICR, ALLSITES, RCRA-NonGen, FINDS, Manifest
SR 99 to I-5	Midas Muffler & Brake Shop 23100 Pacific Hwy Des Moines, WA 98198	Low	Database, Windshield, City Directory	CLCSL NFA, UST, ICR, ALLSITES, FINDS
SR 99 to I-5	Asia Auto Service 23405 ½ Pacific Hwy S Des Moines, WA	Medium	City Directory	
SR 99 to I-5	Pacific Highway Shell 23419 Pacific Hwy Des Moines, WA 98198 (Also listed as Shell 120956 and Anderson Shell)	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, ALLSITES, RCRA-NonGen, FINDS, WA Manifest, ICIS, SPILLS
SR 99 to I-5	Midway Auto (Exxon) 2802 Kent-Des Moines Rd Des Moines, WA 98198 (Also listed as Quality Auto Electric)	Medium	Database, Windshield, City Directory	CSCSL NFA, UST, ICR, RCRA-NonGen, FINDS, ALLSITES
SR 99 to I-5	Midway Crossing 23223 Pacific Hwy S Kent, WA 98032	Medium	Database, Windshield	UST, CSCSL NFA, INST Control, VCP, ALLSITES, FINDS
SR 99 to I-5	Midway Tire and Wheel (Whse) 23257 Pacific Highway S Kent, WA	Low	City Directory	
SR 99 to I-5	Gasomat Self Service Gas Station 23402 30th Ave S Kent, WA	Medium	City Directory	
SR 99 to I-5	A&B Auto Sales 23410 30th Avenue Kent, WA 98032	Low	Windshield	
SR 99 to I-5	Kings Dry Cleaners 23416 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield	RCRA-NonGen, FINDS, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99 to I-5	Aero Dry Cleaners 23418 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99 to I-5	US Post Office (Midway Station) 23420 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	Southgate Oil 23428 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, ICR, ALLSITES, WA-FSIS
SR 99 to I-5	Mid Cities Disposal Co 23440 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	Midway Barber Shop 23445 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	23448 30th Avenue Kent, WA 98032	Low	Windshield	
SR 99 to I-5	Vacant 23449 Pacific Hwy S Kent, WA	Medium	City Directory	
SR 99 to I-5	Life Safer 23452 30th Avenue Kent, WA 98032	Low	Windshield	
SR 99 to I-5	Midway Auto Body Repair 23454 30th Ave Kent, WA 98032 (Also listed as Midway Auto Repair and Midway Auto Repair UST)	Medium	Database, City Directory	CSCSL NFA, UST, ICR, RCRA-NonGen, FINDS, ALLSITES
SR 99 to I-5	Murray's Collision Center 23456 30th Avenue Kent, WA 98032	Medium	Windshield	
SR 99 to I-5	American Japanese Automotive Murray's Collision Repair 23608 30th Ave S Kent, WA	Medium	City Directory	
SR 99 to I-5	Jiffy Lube 23610 Pacific Hwy S Kent, WA 98032	Low	Windshield	
SR 99 to I-5	23612 Pacific Hwy S Kent, WA 98032	Low	Windshield	
SR 99 to I-5	All City Auto 23620 Pacific Hwy S Kent, WA 98032	Medium	Windshield, City Directory	
SR 99 to I-5	Midway Cleaners (Map ID Site 78) 23647 Pacific Hwy S Kent, WA 98032	High	Database, Windshield, City Directory	CSCSL, VCP, LQG, FINDS, ALLSITES, MANIFEST
SR 99 to I-5	Midway Muffler and Radiator Repair 23898 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	Bucky's Muffler 23928 Pacific Hwy S Kent, WA 98032	Low	Windshield	

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99 to I-5	Midway Landfill (Map ID Site 84) 24800 Pacific Hwy S. Kent, WA 98031 (Also listed at 24804, 24808, 24810, and 24812 Pacific Hwy S)	High	Database, Windshield, City Directory, AERIALS	NPL, CERCLIS, RCRA-NonGen, US ENG Controls, US INST Control, ROD, FINDS, CSCSL, HSL, ALLSITES, MANIFEST
SR 99 to I-5	Buda NW Marine Diesel Engine 24806 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	Mid City Materials Inc (Mason Sups) 24816 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	NW Truckworks Inc (Body Repair) 25032 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	Fred Meyer 25250 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	Gull Self Service 25252 Pacific Hwy S Kent, WA	Low	City Directory	
SR 99 to I-5	Midway Classic Cleaners Inc 25440 Pacific Hwy Kent, WA 98032	Low	Database, Windshield, City Directory	Inactive Cleaner, RCRA-NonGen, ALLSITES
SR 99 to I-5	Unknown 34301 35th Place S Kent, WA	Low	Database	Spills
SR 99 to I-5	Linda Heights Pump Station 3406 S 248th St Kent, WA	Low	Database	ALLSITES, UST, FINDS
SR 99 to I-5	King Cnty DOT DPW Star Lake Pit 26701 28th Ave S Kent, WA	Medium	Database	UST, FINDS, WA NPDES, ALLSITES, CSCSL NFA, VCP
SR 99 to I-5	Unknown 2920 S 284th St Federal Way, WA	Low	Database	WA SPILLS
SR 99 to I-5	Lakehaven Utility District 288th & 32nd Ave S Burien, WA	Low	Database	WA SPILLS
SR 99 to I-5	Unknown 3001 S 288th Street Federal Way, WA	Low	Database	WA SPILLS, WA HIST CDL
SR 99 to I-5	Lakehaven Utility 288th S 32nd Ave Federal Way, WA	Medium	Database	ALLSITES, CSCSL NFA, UST, ICR
SR 99 to I-5	S 304th & 31st Ave S Auburn, King, WA	Low	Database	SPILLS
SR 99 to I-5	Arco 30915 26th Ave S Federal Way, WA	Low	Database	SPILLS
SR 99 to I-5	Federal Way Waste Bar 26th Ave S & S 311th St Federal Way, WA	Low	Database	RCRA-NonGen, FINDS, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
SR 99 to I-5	PSE 31220 28th Ave S Federal Way, WA	Low	Database	WA SPILLS
SR 99 to I-5	Federal Way City Maintenance Yard 31130 28th Ave S Federal Way, WA	Low	Database	RCRA-NonGen, FINDS, WA ALLSITES, WA MANIFEST
SR 99 to I-5	HS Truman High School 31455 28th Ave S Federal Way, WA	Low	Database	FINDS
SR 99 to I-5	South Fork 28th St Townhomes 31408 28th Ave S Federal Way, WA	Low	Database	FINDS, ALLSITES
SR 99 to I-5	2517 316 Ln M 102 Federal Way, WA	Low	Database	WA HIST CDL
SR 99 to I-5	2416 S 315 APT H206 Federal Way, WA	Low	Database	WA HIST CDL, US CDL, US HIST CDL
SR 99 to I-5	Conoco Phillips 2535 S 320th, Federal Way, WA	Medium	Database	WA LUST, WA UST, RCRA-NonGen, FINDS, WA ALLSITES, WA MANIFEST, WA SPILLS, WA ICR, WA FINANCIAL ASSURANCE
SR 99 to I-5	Exxon #7 2510 S 320th Federal Way, WA	Medium	Database	WA ICR, WA UST, WA ALLSITES, WA CSCSL NFA, WA VCP
SR 99 to I-5	Hampton Inn 31720 Gateway Center Blvd S, Federal Way, WA	Low	Database	WA SPILLS
SR 99 to I-5	2216 SO 320th St Federal Way, WA	Low	Database	RCRA-NonGen, Finds, WA ALLSITES, WA CSCSL NFA
SR 99 to I-5	NW Bldg Corp 2210 So 320th St, Federal Way, WA 98003	Medium	Database	FINDS
SR 99 to I-5	Arco 5241 2202 S 320th St, Federal Way, WA	High	Database	FINDS
SR 99 to I-5	2132 S 320th Federal Way, WA	Low	Database	WA SPILLS
SR 99 to I-5	320th & I-5 Federal Way, WA	Low	Database	WA SPILLS
SR 99 to I-5	Boeing Federal Way 3004 S 320th, Federal Way, WA	Low	Database	RCRA-Nongen, FINDS, WA ALLSITES
SR 99 to I-5	Target 2201 S Commons, Federal Way, WA	Low	Database	WA ALLSITES, WA MANIFEST, RCRA LQG, CAHAZNET, FINDS
I-5 to SR 99	Kent Learning Center 22420 Military Rd Des Moines, WA 98198 (Also listed as Kent Mountain View Academy)	Low	Database, Windshield	CSCSL NFA, WA ICR, RCRA-NonGen, FINDS, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
I-5 to SR 99	Kost Auto Sales 22820 Pacific Hwy Des Moines, WA 98198	Low	Database, Windshield	CSCSL, ALLSITES, FINDS
I-5 to SR 99	Midway Motors 22834 Pacific Hwy Des Moines, WA 98198	Low	Database, Windshield, City Directory	CSCSL, HSL, ALLSITES, FINDS
I-5 to SR 99	Kings Dry Cleaners 23416 Pacific Hwy Kent, WA 98032	Low	Database, Windshield	RCRA-NonGen, FINDS, ALLSITES
I-5 to SR 99	Southgate Oil 23428 Pacific Hwy Kent, WA 98032	Low	Database, Windshield, City Directory	CSCSL, LUST, UST, ICR, ALLSITES, WA-FSIS
I-5 to SR 99	Midway Auto Body Repair 23454 30th Ave Kent, WA 98032 (Also listed as Midway Auto Repair and Midway Auto Repair UST)	Low	Database, City Directory	CSCSL NFA, UST, ICR, RCRA-NonGen, FINDS, ALLSITES
I-5 to SR 99	Chevron 23845 Pacific Hwy S Des Moines, WA 98198	Medium	Windshield	
I-5 to SR 99	B & B Aircraft Equipment 24401 Pacific Hwy S Des Moines, WA 98198	Medium	Database, Windshield, City Directory	LUSTR, UST, ALLSITES, RCRA-NonGen, FINDS
I-5 to SR 99	Chevron 25915 Pacific Hwy S Des Moines, WA 98198	Low	Windshield	
I-5 to SR 99	7 Eleven No. 18758 (Map ID Site 73) 26007 Pacific Hwy Des Moines, WA 98198	High	Database, Windshield, City Directory	CSCSL, LUST, UST, ALLSITES, FINDS, ALLSITES
I-5 to SR 99	Joinus Cleaners 27041 Pacific Hwy Des Moines, WA 98198 NOTE: Joinus Cleaners was identified as a high-risk site based on the potential for significant contamination; however, based on the alignment of alternatives and station options, it is not expected to be impacted by the project.	High	Database, Windshield	CSCSL, ALLSITES, RCRA-NonGen, FINDS
I-5 to SR 99	Redondo Martinizing (Clean Alterations) 27211 Pacific Hwy S Des Moines, WA	Medium	City Directory	
I-5 to SR 99	Hauser Property Davis Const 244th St & 26th Pl Des Moines 98198 (Also listed as US DOE NRO Hauser Property Site)	Low	Database	CSCSL, CSCSL NFA, INST Controls, FINDS, ALLSITES, RCRA-NonGen, FINDS
I-5 to SR 99	Victorian Phase II (two reports) 24512 26th Pl Des Moines, WA 98198	Low	Database, Windshield	ICR
I-5 to SR 99	Davis Construction Co Inc 24515 26th Pl Des Moines, WA 98198	Low	Database, Windshield	CSCSL NFA, INST Control, VCP, WA-FSIS, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
I-5 to SR 99	Shell 1720 S. 272nd Des Moines, WA 98198	Low	Windshield	
I-5 to SR 99	Arco 4484 24001 Pacific Hwy Kent, WA 98032 (Also listed as Unknown, Arco 4484, Midway AMPM, Arco Am/Pm)	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, RCRA-NonGen, ALLSITES, FINDS, Spills, WA Financial Assurance, HMIRs
I-5 to SR 99	Japanese Auto Sales & Service (Map ID Site 82) 24141 Pacific Hwy S Kent, WA 98032	High	Database, Windshield	CSCSL, ALLSITES, RCRA- NonGen, FINDS
I-5 to SR 99	Gresham Transfer Inc 24300 Pacific Hwy Kent, WA 98032 (Also listed as Widening Transportation Inc)	Low	Database, Windshield, City Directory	CERC-NFRAP, VCP, UST, ICR, ALLSITES, NPDES, ERNS, RCRA-NonGen, FINDS
I-5 to SR 99	Dutchman Fiberglass Products 24404 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	Midway Rental and Oil Inc 24432 Pacific Hwy S Kent, WA	Medium	City Directory	
I-5 to SR 99	Skip's Auto Rebuild 24433 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	Wayne's Auto Repair 24441 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	Northwest Powder Coats 24453 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	CSCSL, HSL, FINDS, ALLSITES
I-5 to SR 99	Production Plastics Inc Manufacturing 24602 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	Bernina's Sewing Store 24617 Pacific Hwy S. Kent, WA	Medium	City Directory	
I-5 to SR 99	Service Battery of Seattle (Sales and Service) 24645 PACIFIC Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	Die Mold Inc (Mfg) 24660 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	Midway Landfill (Map ID Site 84) 24800 Pacific Hwy S. Kent, WA 98031 (Also listed at 24804, 24808, 24810, and 24812 Pacific Hwy S)	High	Database, Windshield, City Directory, AERIALS	NPL, CERCLIS, RCRA- NonGen, US ENG Controls, US INST Control, ROD, FINDS, CSCSL, HSL, ALLSITES, MANIFEST,
I-5 to SR 99	SeaTac Automotive 24805 Pacific Hwy S Kent, WA 98032	Low	Windshield, City Directory	
I-5 to SR 99	Buda NW Marine Diesel Engine 24806 Pacific Hwy S Kent, WA	Low	City Directory	

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
I-5 to SR 99	Mid City Materials Inc (Mason Sups) 24816 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	Soundview Business Park 24823 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	Midway Transmission 25009 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	LUST, UST, ALLSITES, ICR, FINDS
I-5 to SR 99	Midway Frame and Wheel Alignment 25013 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	NW Truckworks Inc (Body Repair) 25032 Pacific Hwy S Kent, WA	Low	1982 City Directory	
I-5 to SR 99	Binger's No 15 Rocket Service Station 25045 Pacific Hwy S Kent, WA	Medium	City Directory	
I-5 to SR 99	Aloha Cleaning Equipment 25235 Pacific Hwy S Ste. D & E Kent, WA	Medium	City Directory	
I-5 to SR 99	Fred Meyer 25250 Pacific Hwy S Kent, WA	Medium	City Directory	
I-5 to SR 99	Gull Self Service 25252 Pacific Hwy S Kent, WA	Medium	City Directory	
I-5 to SR 99	Midway Classic Cleaners Inc 25440 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	Inactive Cleaner, RCRA-NonGen, ALLSITES
I-5 to SR 99	Southland 7-11 #18758 26008 Pacific Hwy Kent, WA 98032	Medium	Database, Windshield, City Directory	ICR
I-5 to SR 99	Mace's Midway Service Station 26010 Pacific Hwy S Kent, WA	Medium	City Directory	
I-5 to SR 99	DC Laundry 26030 Pacific Hwy S Kent, WA 98032	Medium	Windshield	
I-5 to SR 99	Cleaners 1 AKA The Cleanery # 1 (Four Reports) 26112 Pacific Hwy Kent, WA 98032 NOTE: Cleaners 1 was identified as a high-risk site based on the potential for significant contamination; however, based on the alignment of alternatives and station options, it is not expected to be impacted by the project.	High	Database, Windshield, City Directory	CSCSL, VCP, Drycleaner, RCRA-NonGen, FINDS, ALLSITES, ICR
I-5 to SR 99	Federal Way Machine Shop 26450 Pacific Hwy S Kent, WA	Medium	City Directory	

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
I-5 to SR 99	Federal Way Machine Shop 26460 Pacific Hwy S Kent, WA	Medium	City Directory	
I-5 to SR 99	Budget Batteries 27050 Pacific Hwy S Kent, WA 98032	Low	Windshield, City Directory	
I-5 to SR 99	Redondo 1 Hr Cleaners 27203 Pacific Hwy S Kent, WA 98032 (Also listed as Arco #5363)	Medium	Database, Windshield	Inactive Drycleaner, RCRA-NonGen, FINDS, ALLSITES, WA SPILLS
I-5 to SR 99	The Performance Shop Auto Repair 27204 Pacific Hwy S Kent, WA	Low	City Directory	
I-5 to SR 99	M & D Service 27614 Pacific Hwy S Kent, WA 98031	Medium	Database, Windshield, City Directory	UST, FINDS, ALLSITES
I-5 to SR 99	Alfred J Schulte 27721 Pacific Hwy S Kent, WA 98031	Medium	Database, Windshield, City Directory	UST, ALLSITES, FINDS
I-5 to SR 99	28028 Pacific Hwy S Kent, WA 98032	Low	Windshield	
I-5 to SR 99	S 252nd St Pacific Hwy S 252nd St & Pacific Hwy Kent, WA 98032	Medium	Database	CLSCSL, HSL, ALLSITES, FINDS
I-5 to SR 99	Floyd R Hunt 3219 259th Pl Kent, WA 98032	Low	Database	FINDS, ALLSITES, CSCSL NFA, ICR
I-5 to SR 99	Shell 260th St & Pacific Hwy Kent, WA 98032 (Also listed as Shell (Former))	Medium	Database, Windshield	ICR
I-5 to SR 99	Arco 5363 (Map ID Site 85) 27202 Pacific Highway S at AM/PM Arc Federal Way, WA 98003 (Also listed as AM/PM Arco Station)	High	Database, Windshield, City Directory	CSCSL, LUST, UST, VCP, UST, Spills, RCRA-NonGen, FINDS, Manifest, UIC, ALLSITES
I-5 to SR 99	Movie Magic Movie Rentals Moxie's Powder Shop (Ski Rental and Repair) 27217 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Corner Mart Grocery 27313 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Redondo Heights Park & Ride Lot 27454 Pacific Hwy Federal Way, WA 98003 (Also listed as ChemWest)	Low	Database, Windshield, City Directory	CSCSL NFA, ALLSITES, RCRA-NonGen, LQG 2003, UST, FINDS
I-5 to SR 99	Federal Way Soc 070715 27500 16th Ave Federal Way, WA 98003	Low	Database, Windshield	UST, ALLSITES, FINDS
I-5 to SR 99	Glenn's Auto Repair Inc 27606 16th Ave Federal Way, WA 98003	Low	Database, Windshield	LUST, UST, ICR, ALLSITES, RCRA-NonGen, FINDS, MANIFEST

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
I-5 to SR 99	Corner Mart Grocery 27313 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Lonnie's Radiator Service and Repair 27724 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	27802 Pacific Hwy S Federal Way, WA 98003	Low	Windshield	
I-5 to SR 99	B&M Trucking 27808 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Kim's Automotive 27820 Pacific Hwy S Federal Way, WA 98003	Low	Windshield	
I-5 to SR 99	Lonnie's Radiator Service and Repair 27826 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Gull #0210 28722 Pacific Hwy Federal Way, WA 98003 (Also listed as Texaco Station 632320308)	Medium	Database, Windshield, City Directory	CSCSL NFA, ICR, UST, RCRA-NonGen, FINDS, ALLSITES
I-5 to SR 99	Shell Oil Products US Sap 121050 28806 Pacific Hwy Federal Way, WA 98003 (Also listed as Texaco #004479)	Medium	Database, Windshield, City Directory	CLCSL, LUST, ICR, UST, ALLSITE, RCRA-NonGen, FINDS, MANIFEST, SPILLS
I-5 to SR 99	Green Cleaners 29314 Pacific Hwy S, Suite 101b Federal Way, WA 98003	Medium	Windshield	
I-5 to SR 99	All Pro Auto 29314 Pacific Hwy S, Suite 103 Federal Way, WA 98003	Low	Windshield	
I-5 to SR 99	Ronaco Inc Mini Marts 29424 Pacific Hwy S, Ste B Federal Way, WA	Low	City Directory	
I-5 to SR 99	Shell 29625 Pacific Hwy S OK	Medium	Windshield	
I-5 to SR 99	76 Station 30401 Pacific Hwy S Federal Way, WA 98003	Low	Windshield	
I-5 to SR 99	AI Holz Auto Service 30402 Pacific Hwy Federal Way, WA 98003	Medium	Database, Windshield, City Directory	UST, FINDS, ALLSITES
I-5 to SR 99	Suds and Clean Arco (Gas Station) 30415 Pacific Hwy S Federal Way, WA	Medium	City Directory	
I-5 to SR 99	Oil Express 30509 Pacific Hwy Federal Way, WA 98003 (Also listed as Susan Harrang)	Medium	Database, Windshield, City Directory	LUST, ICR, UST, FINDS, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
I-5 to SR 99	Federal Way Senior High School 30611 16th Av S Federal Way, WA 98003 (Also listed as Employment Transition Program)	Medium	Database, Windshield	UST, RCRA-NonGen, FINDS, ALLSITES, FINDS
I-5 to SR 99	Valet Pro Dry Cleaning 30833 Pacific Hwy S Federal Way, WA	Medium	City Directory	
I-5 to SR 99	ABC Texaco Station 30851 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Bucky's Complete Auto Repair 30924 Pacific Hwy S Federal Way, WA 98003	Low	Windshield	
I-5 to SR 99	7 Eleven 31006 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Chevron USA Inc SS 98538 31204 Pacific Hwy Federal Way, WA 98003	Medium	Database, Windshield, City Directory	CSCSL, LUST, UST, ICR, VCP, ALLSITES, WA MANIFEST, RCRA SQG, RCRA-NonGen, FINDS, WA FINANCIAL ASSURANCE, SPILLS
I-5 to SR 99	Federal Way Shopping Center 31205 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield	WA ICR
I-5 to SR 99	Impact Pest Control 31218 Pacific Ste D Federal Way, WA	Low	City Directory	
I-5 to SR 99	All Night Printing (All Night Printery, All Night Printery Inc) 31260 Pacific Hwy S, Ste 10 Federal Way, WA	Low	City Directory	
I-5 to SR 99	Federal Way Shopping Center 31325 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield	CSCSL NFA, FINDS, ALLSITES
I-5 to SR 99	Federal Way Printing 31413 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Fotomat Photographic Printing and Developing 31415 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Federal Way Car Wash 31458 Pacific Hwy Federal Way, WA 98003	Medium	Database, Windshield	LUST, UST, WA ICR, FINDS, ALLSITES
I-5 to SR 99	Federal Way Cleaners 31601 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield, City Directory	INACTIVE DRYCLEANERS, RCRA-NonGen, FINDS, ALLSITES
I-5 to SR 99	Happy Maid Cleaners 31607 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield, City Directory	INACTIVE DRYCLEANERS, RCRA-NonGen, FINDS, ALLSITES
I-5 to SR 99	SeaTac Tire Co 31629 Pacific Hwy Federal Way, WA 98003	Low	Database, Windshield	UST, RCRA-NonGen, FINDS, ALLSITES

TABLE D4.12-2

Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
I-5 to SR 99	PSPL (PSPL) 31648 Pacific Hwy S Federal Way, WA	Low	City Directory	
I-5 to SR 99	Shell Oil Product US Sap 121094 31660 Pacific Hwy Federal Way, WA 98003 (Also listed as Texaco #121094/Shell)	Low	Database, Windshield, City Directory	CSCSL, VCP, UST, ALLSITES, MANIFEST, SPILLS, WA FINANCIAL ASSURANCE, RCRA-NonGen, FINDS
I-5 to SR 99	Qwest - #070212 1900 288th St Federal Way, WA 98003 (Also listed as Qwest Corporation W00212, Qwest - #070212, and US West)	Low	Database, Windshield	CSCSL NFA, UST, WA ICR, FINDS, RCRA-NonGen, ALLSITES, WA Financial Assurance
I-5 to SR 99	Sacajawea Park 1401 Dash Point Road Federal Way, WA	Medium	Aerials, Topos	
I-5 to SR 99	Sun Cleaners 312th St 1400 312th St Federal Way, WA 98003-4718 (Also listed as Cook Investment Bldg) NOTE: Sun Cleaners was identified as a high-risk site based on the potential for significant contamination; however, based on the alignment of alternatives and station options, it is not expected to be impacted by the project.	High	Database, Windshield, City Directory	CSCSL, INACTIVE DRYCLEANERS, RCRA-NonGen, FINDS, ALLSITES
I-5 to SR 99	Federal Way Newspaper 1634 S 312th St Federal Way, WA	Low	City Directory	
I-5 to SR 99	Robinson Printer Company 1640a S 312th St Federal Way, WA	Low	City Directory	
I-5 to SR 99	Federal Way News 1640b S 312th St Federal Way, WA	Low	City Directory	
I-5 to SR 99	Federal Way Waste Bar 26th Ave S & S 311th St Federal Way, WA 98003	Low	Database	RCRA-NonGen, FINDS, ALLSITES
I-5 to SR 99	PSE 31220 28th Ave Federal Way, WA	Low	Database	WA SPILLS
I-5 to SR 99	Federal Way City Maintenance 31130 28th Ave S Federal Way, WA	Low	Database	RCRA-NonGen, FINDS, WA ALLSITES, WA MANIFEST
I-5 to SR 99	2517 316 Ln M 102, Federal Way, WA	Low	Database	WA HIST CDL
I-5 to SR 99	2416 S 315 APT H206, Federal Way, WA	Low	Database	WA HIST CDL, US CDL, US HIST CDL
I-5 to SR 99	Conoco Phillips 2535 S 320th, Federal Way, WA	Medium	Database	WA LUST, WA UST, RCRA-NonGen, FINDS, WA ALLSITES, WA MANIFEST, WA SPILLS, WA ICR, WA FINANCIAL ASSURANCE
I-5 to SR 99	Exxon #7 2510 S 320th, Federal Way, WA	Medium	Database	WA ICR, WA UST, WA ALLSITES, WA CSCSL NFA, WA VCP

TABLE D4.12-2
Hazardous Materials Sites Identified in the Study Area for Each Alternative

Alternative	Site Name	Risk Category	Reference Source	EDR (2013) Database Results ^a
I-5 to SR 99	Hampton Inn 31720 Gateway Center Blvd S, Federal Way, 98003	Low	Database	ALLSITES
I-5 to SR 99	2216 SO 320th St, Federal Way, WA	Low	Database	WA SPILLS
I-5 to SR 99	NW Bldg Corp 2210 So 320th St, Federal Way, WA 98003	Medium	Database	RCRA-NonGen, Finds, WA ALLSITES, WA CSCSL NFA
I-5 to SR 99	Arco 5241 2202 S 320th St, Federal Way, WA	High	Database	FINDS
I-5 to SR 99	2132 S 320th Federal Way, WA	Low	Database	WA SPILLS

^a Environmental Data Resources, Inc. (EDR). 2013. DataMap Area Study, Federal Way, WA 98003, Inquiry Number 3486481.1s. January 3, 2013.

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Appendix D6

Reasonably Foreseeable Future Actions

Reasonably Foreseeable Future Actions

Table D6-1 lists all known reasonably foreseeable future actions (RFFAs) in the Federal Way Link Extension (FWLE) study area for the purpose of identifying potential cumulative impacts associated with an RFFA in conjunction with the proposed FWLE Preferred Alternative. Not all RFFAs are included in the No Build Alternative. The No Build Alternative improvements only consist of funded or committed roadway and transit actions proposed by regional and local agencies as well as other projects considered likely to be implemented based on approved and committed funding.

TABLE D6-1

Reasonably Foreseeable Future Actions

Map ID	Project Name	Description	Expected Start Date or Status	Identified Environmental Impacts
Transportation Projects				
Washington State Department of Transportation (WSDOT)				
1	SR 509: Corridor Completion/ I-5/South Access Road Project and Puget Sound Gateway Project	The project as defined in 2003 included extending the SR 509 freeway from S 188th Street/12th Place S to a connection with I-5 in the vicinity of S 210th Street, improving I-5 between S 210th and S 310th streets, improving southern access to and from Sea-Tac Airport by a new roadway, and improving related local traffic circulation patterns. WSDOT is now looking at this project as part of the Puget Sound Gateway Program and undertaking a "Practical Solutions" process for the SR 509 corridor as part of this program. The extent of the project will be determined following this process in late 2016.	Record of Decision on project EIS was obtained in 2003. Now combined with Gateway Project. Construction of SR 509 extension expected to begin by 2021.	From 2003 <i>SR 509 Corridor Completion/I-5/South Access Road Final EIS</i> : Noise, Geology/Soils, Water Quality, Wetlands, Land Use, Relocation, Social, Economic, Hazardous Materials, Visual Quality. Environmental reassessment to be completed late 2016.
City of SeaTac				
2	International Boulevard at S 154th Street	Construct interchange improvement consistent with WSDOT's Route Development Plan. Elements may include modification to S 154th Street exit ramp and new eastbound exit ramp to northbound International Boulevard.	Construction scheduled to begin by 2021 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
3	Military Road S (vicinity of S 170th Street)	Reconstruct roadway to include bicycle lanes, traffic signal at S 170th Street with channelization enhancements.	Construction scheduled to be completed by 2016.	Unknown. Documentation on project-specific impacts is not currently available.

TABLE D6-1

Reasonably Foreseeable Future Actions

Map ID	Project Name	Description	Expected Start Date or Status	Identified Environmental Impacts
4	Military Road S (vicinity of S 152nd Street)	Widen existing roadway with access and circulation improvements. Construct right turn lane on S 152nd Street from Military Road S to International Boulevard.	Construction scheduled to begin by 2021 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
5	S 152nd Street between 30th Avenue S and Military Road S	Widen existing roadway. Provide access and circulation improvements for vehicle and pedestrian movements in support of redevelopment between 30th Avenue S and Military Road S.	Construction scheduled to begin by 2021 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
6	S152nd Street at International Blvd	Construct right-turn lane.	Construction scheduled to begin by 2021 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
7	Military Road S at S 200th Street/I-5 Southbound Ramps	Widen I-5 southbound off-ramp to provide for a left-turn lane. Reconstruct west leg to provide left-turn, thru, and right-turn lanes. Modify signal to facilitate lane changes.	Construction scheduled to be completed by 2016.	Unknown. Documentation on project-specific impacts is not currently available.
8	Connecting 28th/24th Avenue S Project: S 200th Street to S 208th Street	This project will complete the 28th/24th Ave S corridor project between S 200th Street and S 216th Street by constructing a five-lane arterial section between S 200th Street and S 208th Street and installing new traffic signal at new intersection of 24th Avenue S & S 208th Street.	Preliminary design and environmental document analysis underway. Construction scheduled to be complete by 2017.	Unknown. Documentation on project-specific impacts is not currently available.
9	24th Avenue S at S 208th Street	Install new traffic signal at new intersection.	Construction scheduled to begin by 2021 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
City of Des Moines				
10	S 212th Street and SR 99	Provide traffic signal at S 212th Street	TBD	Unknown. Documentation on project-specific impacts is not currently available.
11	S 216th Street Improvement Project	Between 18th Avenue S and 11th Avenue S: widen to provide center turn lane, bike lanes, curb gutter, and sidewalk.	Construction scheduled to begin by 2018 (according to City's TIP).	Categorical Exclusion
12	S 216th Street (24th Avenue S to SR 99)	Widen to provide additional travel lanes; Signal rebuild at S 216th Street and Pacific Highway S.	Construction scheduled to be completed by fall of 2016.	SEPA DNS; Categorical Exclusion
13	16th Avenue S/18th Avenue S Road Improvement	Construct new neighborhood collector alignment along 16th/18th avenues S corridor between S 216th Street	Construction scheduled to begin by 2025 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.

TABLE D6-1

Reasonably Foreseeable Future Actions

Map ID	Project Name	Description	Expected Start Date or Status	Identified Environmental Impacts
		and S 220th Street, including curb gutter, bicycle facilities, and multi-use path.		
14	S 224th Street (from Pacific Highway S to 30th Avenue S)	Reconstruct roadway. Enhance traffic signal operations at intersection.	Construction scheduled to begin by 2016 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
15	Kent-Des Moines Road from 16th Avenue S to 24th Avenue S	Widen roadway to provide pedestrian facilities and center two-way turn lane where warranted.	Construction scheduled to begin by 2025 (according to City's TIP).	Categorical Exclusion
16	Kent-Des Moines Road from 24th Avenue S to Pacific Highway	Widen to provide additional turn lanes and pedestrian facilities.	Construction scheduled to begin by 2021 (according to City's TIP).	Categorical Exclusion
17	S 236th Street from Pacific Highway to Highline Community College	Expand roadway for eastbound travel and add a traffic signal at SR 99.	Construction scheduled to begin by 2021 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
18	16th Avenue S Improvement Project from Kent Des Moines Road to S 240th Street	Widen to provide center turn lane at apartment driveways south of Kent-Des Moines Road.	Construction scheduled to begin by 2025 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
19	S 240th Street from East City Limits to 16th Avenue S	Reconstruct roadway to provide two travel lanes and bicycle lanes.	Construction scheduled to begin by 2021 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
20	S 240th Street from 16th Avenue S to Marine View Drive	Reconstruct roadway to provide two travel lanes and bicycle lanes.	Construction scheduled to begin by 2021 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
21	Barnes Creek Trail	Construct non-motorized regional multi-use path from Des Moines Creek Trail to Highline College.	Construction scheduled to begin by 2020 (according to City's TIP).	Categorical Exclusion.
22	S 268th Street Improvement Project from 16th Avenue S to Pacific Highway S	Reconstruct to neighborhood collector standard with two travel lanes, curb, gutter, and sidewalk.	Construction to be completed by winter 2017.	SEPA DNS
23	16th Avenue S Improvement Project (S 272nd Street to S 276th Street)	Widen to provide three-lane roadway and bike lanes.	Construction scheduled to begin by 2019 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
City of Kent				
24	Military Road S at Reith Road	Widen intersection to provide turn lanes on all approaches.	Scheduled to be constructed by 2030.	Unknown. Documentation on project-specific impacts is not currently available.
25	S 272nd Street at Military Road	Add a southbound right turn lane at intersection.	Scheduled to be constructed by 2025.	Unknown. Documentation on project-specific impacts is not currently available.
26	S 272nd Street Widening (Pacific Highway S to Military Road S)	Add two HOV lanes and a center left-turn lane.	Scheduled to be constructed by 2030.	Unknown. Documentation on project-specific impacts is not currently available.

TABLE D6-1

Reasonably Foreseeable Future Actions

Map ID	Project Name	Description	Expected Start Date or Status	Identified Environmental Impacts
City of Federal Way				
27	Safe Routes to Schools Project on SR 509 between 11th Place S and 16th Avenue S/Redondo Way S	Add sidewalk and street lighting on the south side of SR 509.	Scheduled to be constructed by 2016.	NEPA Categorical Exclusion.
28	SR 99 at S 312th Street	Add second left-turn lanes on northbound approach.	Scheduled to be constructed by 2022.	Unknown. Documentation on project-specific impacts is not currently available.
29	S 312th Street: 24th Avenue S to Steel Lake Park	Add sidewalk and street lighting on the south side of the street.	Scheduled to be constructed in 2017.	SEPA Categorically Exempt.
30	S 312th Street: Steel Lake Park to 28th Avenue S	Add sidewalk and street lighting on the south side of the street.	Scheduled to be constructed in 2018.	SEPA Categorically Exempt.
31	S 312th Street at 28th Avenue S	Add southbound right-turn lane.	Scheduled to be constructed by 2019.	Unknown. Documentation on project-specific impacts is not currently available.
32	SW 320th Street at 21st Avenue SW	Add second westbound left-turn lane and interconnect to 26th Avenue SW.	Construction scheduled to begin by 2020 (according to City's TIP).	Unknown. Documentation on project-specific impacts is not currently available.
33	21st Avenue S Staircase	Provide pedestrian connection between S 314th Street and S 316th Street.	Scheduled to be constructed in 2018.	Unknown. Documentation on project-specific impacts is not currently available.
34	S 320th Street: I-5 Bridge Widening	Add HOV lanes, realign ramps in the southeast quadrant.	Resuming Environmental Assessment in 2017.	Unknown. Documentation on project-specific impacts is not currently available.
35	Non-motorized project near the Federal Way Transit Center	Add sidewalk and street lighting on the west side of 21st Avenue S between S 316th Street and S 320th Street.	Scheduled to be constructed by 2017.	NEPA Categorical Exclusion
King County				
36	Military Road S	From S 272nd Street to S 304th Street widen to four/five lanes.	Scheduled to be constructed by 2022.	Unknown. Documentation on project-specific impacts is not currently available.
37	S Star Lake Road	Construct asphalt/concrete shoulder between Military Road S and 42nd Avenue S.	Scheduled to be constructed by 2022.	Unknown. Documentation on project-specific impacts is not currently available.
Private and Other Public Works Projects				
City of SeaTac				
Public Works Projects				
38	Fire Station #45 Replacement	Fire Station #45 located at 2929 S 200th Street will be replaced with a smaller-sized station (8,000 sf versus 12,600 sf).	Scheduled for near-term construction.	Unknown. Documentation on project-specific impacts is not currently available.

TABLE D6-1

Reasonably Foreseeable Future Actions

Map ID	Project Name	Description	Expected Start Date or Status	Identified Environmental Impacts
Private Development Projects				
39	Mobile Home Park Relocation Plan (20440 International Blvd)	69-unit mobile home park closure and tenant relocation plan.	Park closure anticipated in 2017.	DNS issued July, 2016.
40	Roush Properties (21000 International Blvd)	Hotel and park/fly.	Permit application submitted July 2016.	Unknown. Documentation on project-specific impacts is not currently available.
City of Des Moines				
Public Works Projects				
41	Midway Park Expansion	Land acquisition to expand park to the west and improvements as identified in the Parks, Recreation and Senior Services Master Plan (Pacific Ridge Prototype Park): park lighting, pathway improvements, picnicking, play area, and parking.	Scheduled to be constructed by 2025 (pending public/private partnership for funding).	Unknown. Documentation on project-specific impacts is not currently available.
42	Parkside Park & Playground Repair & Replacement	Improvements include site grading to improve site access, sightlines, safety, and security as identified in the 2016 Parks Master Plan. Fitness and a trail system will be added.	Scheduled to be constructed by 2017.	King County Community Development Block Grant Environmental Review (2015). SEPA Department of Ecology soils testing (2016).
Not on map	South Des Moines Park Acquisition	Acquisition of land for the purpose of developing a community park to serve greater Des Moines and the South Des Moines, Zenith, Woodmont West, Woodmont East, and Redondo planning areas.	Scheduled to be constructed by 2025 (pending public/private partnership for funding).	Unknown. Documentation on project-specific impacts is not currently available.
Private Development Projects				
43	Des Moines Creek Business Park (located just west of SR 99 on 24th Avenue S between S 208th Street and S 216th Street)	87-acre business park; 2 million sf of flexible-use, manufacturing, office, distribution, and industrial business park buildings.	Clearing and grading began July 2014. All phases under construction with industrial park to be completed in 2016 and FAA Regional Headquarters in 2017.	Final EIS (March 2, 2007).
44	Waterview Crossing II (located on SR 99 in Pacific Ridge Neighborhood)	Multi-family mixed-use development consisting of 9 buildings 326 residential units, and 18,386 sf of commercial space.	Project in design review. Construction expected to commence in 2016–2017.	SEPA Planned Action for Pacific Ridge.
45	Highline Place (23609 Pacific Highway S)	27,400 sf of office space, 324 apartment units, and 6,030 sf of retail space.	Construction expected to begin in fall 2016.	SEPA review completed.
46	Highline College	Replacement and renovation of campus buildings and other campus improvements.	10-year capital implementation plan (2013–2023).	SEPA MDNS expected to be issued fall 2016.
47	Deriugin Subdivision (located between S	Single-family residential	No applications submitted yet, in discussions with	Unknown. Documentation on project-specific impacts is not

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Reasonably Foreseeable Future Actions

Map ID	Project Name	Description	Expected Start Date or Status	Identified Environmental Impacts
	279th Street and S 284th Street at approximately 13th Avenue S; parcels 3222049010, 3222049034)	subdivision, 27 homes.	City. Project owner is still evaluating feasibility.	currently available.
48	Pacific Heights (located west of SR 99 between S 279th and S 282nd streets, access off of S 279th Street; parcel 3222049009)	Single-family residential subdivision, 77 homes.	Preliminary plat approval.	SEPA MDNS.
City of Kent				
Public Works Projects				
None in study area				
Private Development Projects				
49	Grandview Apartments (NW corner of Veterans Drive and Riverview Boulevard S; parcels 1522049172, 1522049065, 1522049173)	261-unit multi-family affordable housing development.	Under construction; anticipated completion August 2017 with partial occupancy as early as December 2016.	Mitigated DNS issued April, 2014.
50	23703 Military Road S (parcel 1522049010)	Storage Facility	Pre-application meeting April 11, 2014; zoning determination letter issued September 2, 2015, for flexible commercial space.	Unknown. Documentation on project-specific impacts is not currently available.
51	Devco Kent Midway (parcels 2122049046, 5514000020, 5514000030, 5514000040, 5514000060)	246-unit multi-family affordable housing project; likely will increase to 265 units with re-design.	Pre-application meeting June 30, 2016. Layout redesigned to accommodate light rail guideway; plan to submit a second pre-application with new layout.	Unknown. Documentation on project-specific impacts is not currently available.
52	25215 Pacific Highway South (parcel 2122049183)	Advance Auto Parts retail store	Pre-application meeting March 30, 2015.	Unknown. Documentation on project-specific impacts is not currently available.
53	Kent Self Storage (parcel 2122049029)	Construct a self-storage facility.	Pre-application meeting June 28, 2016.	Unknown. Documentation on project-specific impacts is not currently available.
54	Petco (parcel 2122049165)	Construct new 11,700-sf Petco store and new 4,000-sf retail building.	Pre-application meeting July 28, 2016.	Unknown. Documentation on project-specific impacts is not currently available.
55	Gadini Site Restoration Grade & Fill (26430 Pacific Highway S, Kent, WA 98032)	Removal of fill material and wetland restoration to correct a wetland code violation. A 9,543-sf asphalt parking lot will be constructed on the west side of the site with associated landscaping; to be used as a used car sales lot.	Civil permit still under review.	Environmental consultation done by City; project deemed exempt from SEPA.
56	Choi Warehouse (26606 Pacific Highway	Construct new 6,000-sf commercial building with	Civil permit still under review. Building permit not	SEPA DNS.

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Reasonably Foreseeable Future Actions

Map ID	Project Name	Description	Expected Start Date or Status	Identified Environmental Impacts
	S, Kent, WA 98032)	associated parking and landscaping.	yet submitted.	
57	Saltwater Heights Lot 35 (2508 S 270 Street, Kent, WA 98032)	Four-lot residential short plat.	Final Short Plat recorded 4/30/15. Building permit not yet submitted.	SEPA MDNS.
58	Sahota Development (parcel 7682800195)	Demolish house and construct gas station and other commercial space. Back half of property to remain undeveloped at this time.	Pre-application meeting March 22, 2016.	Unknown. Documentation on project-specific impacts is not currently available.
City of Federal Way				
Public Works Projects				
59	Federal Way High School (30611 16th Avenue S)	232,000-sf replacement of existing high school.	Under construction. Partially completed in October 2016.	DNS issued.
60	Federal Way Performing Arts and Conference Center (northeast corner of S 316th Street and 20th Avenue S)	41,000-sf building multipurpose venue: 700-seat theater, 8,000 sf of conference facilities, 125-room hotel.	Construction to take place 2015–2017.	Within Planned Action SEPA area. No significant impacts identified. SEPA process completed.
Private Development Projects				
61	Abby's Lane subdivision (2920 S 284th Street)	9-lot single-family subdivision	Preliminary plat approved. Preliminary plat still active.	DNS issued.
62	Steel Lake Crest subdivision (30642 28th Avenue S)	Divide 6.72 acres into 29 single-family residential lots	Preliminary plat approved. Preliminary plat still active.	MDNS issued.
63	Chick-Fil-A restaurant (32057 Pacific Highway)	4,000-sf restaurant.	Application under review.	Unknown. Documentation on project-specific impacts is not currently available.
King County				
Public Works Projects				
None in study area.				
Private Development Projects				
64	Star Lake Property (parcels 3322049005, 3322049130, 3322049181)	28 lots on 5.7 acres zoned R-6.	Preliminary plat intake completed.	Unknown. Documentation on project-specific impacts is not currently available.
65	Sedona Ridge Subdivision (parcels 5515600120, 5515600121, 5515600125, 5515600127, 5515600150)	76 lots (single-family residential).	County reviewing land use application.	SEPA DNS.
66	Hibbford Glen (parcels 7967600015, 7967600016)	22 single-family detached residential lots in the R-4 zone.	County has recommended approval of land use application.	Unknown. Documentation on project-specific impacts is not currently available.

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Reasonably Foreseeable Future Actions

Map ID	Project Name	Description	Expected Start Date or Status	Identified Environmental Impacts
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DNS = Determination of Non-Significance
 EIS = Environmental Impact Statement
 FAA = Federal Aviation Administration
 HOV = high-occupancy vehicle
 MDNS = Mitigated Determination of Non-Significance
 ODNS = Optional Determination of Non-Significance
 SEPA = State Environmental Policy Act
 sf = square foot/feet
 TBD = to be determined
 TIP = Transportation Improvement Plan
 WSDOT = Washington State Department of Transportation