

Table of Contents

FACT SHEET	ES-i
EXECUTIVE SUMMARY	ES-1
Introduction	ES-1
ES.1 Purpose and Need	ES-4
ES.2 Alternatives Considered	ES-5
ES.3 Comparison of Alternatives	ES-16
ES.4 Other Environmental Considerations.	ES-21
ES.5 Cumulative Impacts	ES-22
ES.6 Avoidance, Minimization, and Mitigation	ES-22
ES.7 Significant Unavoidable Adverse Impacts	ES-23
ES.8 Public Involvement to Date and Additional Invitation to Comment	ES-23
ES.9 Areas of Controversy and Issues to be Resolved	ES-24
ES.10 Next Steps	ES-24
INTRODUCTION	1-1
1 PURPOSE AND NEED FOR THE PROJECT	1-2
1.1 Sound Transit 3: The Regional Transit System Plan for Central Puget Sound ..	1-2
1.2 Purpose of the Project	1-4
1.3 Need for the Project	1-4
2 ALTERNATIVES CONSIDERED	2-1
2.1 Background and Project Development	2-1
2.1.1 OMF South Components	2-3
2.1.2 OMF South Operations	2-5
2.2 Alternative Development and Scoping	2-7
2.2.1 Early Scoping	2-7
2.2.2 Identifying Potential OMF South Sites	2-7
2.2.3 SEPA Scoping	2-11
2.2.4 Board Identification of Site Alternatives	2-13
2.2.5 Alternatives Development for the 2021 SEPA Draft EIS	2-14
2.2.6 2021 SEPA Draft EIS Publication and Board Identification of Preferred Alternative	2-14
2.2.7 Federal Environmental Review Process	2-14
2.2.8 Design Updates	2-15
2.3 Project Alternatives	2-16

2.3.1	No-Build Alternative	2-16
2.3.2	Build Alternatives	2-17
2.3.3	Overview of Construction Approach	2-27
2.3.4	Construction Methods, Sequence, and Activities	2-27
2.3.5	Midway Landfill Site Subsurface Construction Design Options	2-28
2.3.6	Staging Areas and Construction Easements	2-31
2.4	Environmental Commitments and Sustainability	2-31
2.5	Funding and Comparative Cost Estimates	2-32
2.6	Next Steps and Schedule	2-34
2.6.1	Project Schedule.....	2-35
2.6.2	Benefits and Disadvantages of Delaying Project Implementation	2-35
3	AFFECTED ENVIRONMENT, ENVIRONMENTAL IMPACTS, AND POTENTIAL MITIGATION MEASURES.....	3.1-1
3.1	Introduction.....	3.1-1
3.2	Transportation	3.2-1
3.2.1	Affected Environment	3.2-1
3.2.2	Environmental Impacts	3.2-13
3.2.3	Potential Mitigation Measures.....	3.2-42
3.3	Acquisitions, Displacements, and Relocations	3.3-1
3.3.1	Affected Environment	3.3-1
3.3.2	Environmental Impacts	3.3-2
3.3.3	Relocation Opportunities	3.3-5
3.3.4	Sound Transit Acquisition and Relocation Policy Summary	3.3-7
3.3.5	Potential Mitigation Measures.....	3.3-8
3.4	Land Use	3.4-1
3.4.1	Affected Environment	3.4-1
3.4.2	Consistency with Regional and Local Comprehensive Plans and Zoning	3.4-11
3.4.3	Environmental Impacts	3.4-14
3.4.4	Potential Mitigation Measures.....	3.4-19
3.5	Economics	3.5-1
3.5.1	Affected Environment	3.5-1
3.5.2	Environmental Impacts	3.5-6
3.5.3	Potential Mitigation Measures.....	3.5-12
3.6	Social Resources, Community Facilities, and Neighborhoods	3.6-1
3.6.1	Affected Environment	3.6-1
3.6.2	Environmental Impacts	3.6-7
3.6.3	Environmental Justice Summary	3.6-11

3.6.4	Potential Mitigation Measures.....	3.6-12
3.7	Visual and Aesthetic Resources.....	3.7-1
3.7.1	Affected Environment	3.7-1
3.7.2	Environmental Impacts	3.7-9
3.7.3	Potential Mitigation Measures.....	3.7-22
3.8	Air Quality and Greenhouse Gas Emissions	3.8-1
3.8.1	Affected Environment	3.8-1
3.8.2	Environmental Impacts	3.8-2
3.8.3	Potential Mitigation Measures.....	3.8-6
3.9	Noise and Vibration	3.9-1
3.9.1	Affected Environment	3.9-2
3.9.2	Environmental Impacts	3.9-7
3.9.3	Potential Mitigation Measures.....	3.9-13
3.10	Ecosystem Resources.....	3.10-1
3.10.1	Affected Environment	3.10-1
3.10.2	Environmental Impacts	3.10-9
3.10.3	Potential Mitigation Measures.....	3.10-33
3.11	Water Resources.....	3.11-1
3.11.1	Affected Environment	3.11-1
3.11.2	Environmental Impacts	3.11-9
3.11.3	Potential Mitigation Measures.....	3.11-20
3.12	Geology and Soils	3.12-1
3.12.1	Affected Environment	3.12-1
3.12.2	Environmental Impacts	3.12-3
3.12.3	Potential Mitigation Measures.....	3.12-6
3.13	Hazardous Materials	3.13-1
3.13.1	Affected Environment	3.13-1
3.13.2	Environmental Impacts	3.13-8
3.13.3	Potential Mitigation Measures.....	3.13-12
3.14	Public Services.....	3.14-1
3.14.1	Affected Environment	3.14-1
3.14.2	Environmental Impacts	3.14-7
3.14.3	Potential Mitigation Measures.....	3.14-12
3.15	Utilities, Energy, and Electromagnetic Fields	3.15-1
3.15.1	Affected Environment	3.15-2
3.15.2	Environmental Impacts	3.15-4
3.15.3	Potential Mitigation Measures.....	3.15-14
3.16	Historic and Archaeological Resources.....	3.16-1
3.16.1	Regulatory Context.....	3.16-2

3.16.2	Affected Environment	3.16-3
3.16.3	Environmental Impacts	3.16-9
3.16.4	Potential Mitigation Measures.....	3.16-12
3.17	Parks and Recreational Resources	3.17-1
3.17.1	Affected Environment	3.17-1
3.17.2	Environmental Impacts	3.17-3
3.17.3	Potential Mitigation Measures.....	3.17-6
3.18	Section 4(f) and 6(f) Resources.....	3.18-1
3.18.1	Affected Environment	3.18-1
3.18.2	Environmental Impacts	3.18-2
3.18.3	Potential Mitigation Measures.....	3.18-2
4	CUMULATIVE IMPACT ANALYSIS	4-1
4.1	Temporal and Geographic Boundaries of the Cumulative Effects Analysis	4-1
4.2	Past and Present Actions	4-2
4.2.1	Natural Environment.....	4-2
4.2.2	Built Environment.....	4-3
4.3	Reasonably Foreseeable Future Actions	4-3
4.4	Analysis of Cumulative Effects	4-8
4.4.1	Transportation.....	4-8
4.4.2	Acquisitions, Displacements, and Relocations	4-9
4.4.3	Land Use	4-9
4.4.4	Economics	4-10
4.4.5	Social Resources, Community Facilities, and Neighborhoods	4-10
4.4.6	Visual and Aesthetic Resources	4-11
4.4.7	Air Quality and Greenhouse Gas Emissions	4-11
4.4.8	Noise and Vibration	4-12
4.4.9	Ecosystem Resources.....	4-12
4.4.10	Water Resources	4-14
4.4.11	Geology and Soils.....	4-15
4.4.12	Hazardous Materials.....	4-15
4.4.13	Public Services	4-15
4.4.14	Utilities, Energy, and Electromagnetic Fields	4-15
4.4.15	Historic and Archaeological Resources	4-16
4.4.16	Parks and Recreational Resources	4-16

Figures

Figure ES-1	Link Light Rail System Expansion	ES-2
Figure ES-2	Project Alternatives	ES-3
Figure ES-3	Anticipated Project Milestones	ES-4
Figure ES-4	Mainline Track Options.....	ES-9
Figure ES-5	Conceptual Layout: Preferred Alternative.....	ES-10
Figure ES-6	Conceptual Layout: South 344th Street Alternative.....	ES-12
Figure ES-7	Conceptual Layout: Midway Landfill Alternative	ES-15
Figure 1.1-1	Link Light Rail System Expansion	1-3
Figure 2.1-1	Link System Future Expansion and OMF Site Locations	2-2
Figure 2.1-2	Link Light Rail Vehicle	2-3
Figure 2.1-3	Typical OMF Schematic	2-4
Figure 2.2-1	OMF South Sites Included in the SEPA Alternatives Evaluation.....	2-10
Figure 2.2-2	SEPA Scoping Alternatives	2-12
Figure 2.3-1	Project Alternatives	2-18
Figure 2.3-2	Mainline Track Options.....	2-19
Figure 2.3-3	Preferred Alternative Overview Map.....	2-21
Figure 2.3-4	Preferred Alternative: Conceptual Layout.....	2-22
Figure 2.3-5	South 344th Street Alternative: Conceptual Layout.....	2-24
Figure 2.3-6	Midway Landfill Alternative: Conceptual Layout.....	2-26
Figure 2.3-7	Platform Subsurface Construction Design Option Cross Section.....	2-30
Figure 2.3-8	Hybrid Subsurface Construction Design Option Cross Section.....	2-30
Figure 2.3-9	Full Excavation Subsurface Construction Design Option Cross Section.....	2-31
Figure 3.2 1	Transportation Study Area: Preferred and South 344th Street Alternatives.....	3.2-2
Figure 3.2 2	Study Area Intersections: Preferred and South 344th Street Alternatives.....	3.2-3
Figure 3.2 3	Transportation Study Area: Midway Landfill Alternative	3.2-4
Figure 3.2 4	Study Area Intersections: Midway Landfill Alternative.....	3.2-5
Figure 3.2 5	Existing Bicycle and Pedestrian Facilities: Preferred and South 344th Street Alternatives	3.2-10
Figure 3.2 6	Existing Bicycle and Pedestrian Facilities: Midway Landfill Alternative.....	3.2-11
Figure 3.2 7	2042 Build Alternative AM and PM Peak Hour Traffic Operations: Preferred Alternative	3.2-21
Figure 3.2 8	2042 Build Alternative AM and PM Peak Hour Traffic Operations: South 344th Street Alternative	3.2-25
Figure 3.2 9	2042 Build Alternative AM and PM Peak Hour Traffic Operations: Midway Landfill Alternative	3.2-29
Figure 3.2 10	Existing Annual Average Daily Traffic Along Truck-Haul Routes: Preferred Alternative	3.2-34
Figure 3.2 11	Existing Annual Average Daily Traffic Along Truck-Haul Routes: South 344th Street Alternative	3.2-36

Figure 3.2 12 Existing Annual Average Daily Traffic Along Truck-Haul Routes: Midway Landfill Alternative3.2-40

Figure 3.4-1 Existing Land Uses: Preferred Alternative.....3.4-3

Figure 3.4-2 Generalized Zoning: Preferred Alternative3.4-4

Figure 3.4-3 Existing Land Uses: South 344th Street Alternative.....3.4-6

Figure 3.4 4 Generalized Zoning: South 344th Street Alternative3.4-7

Figure 3.4-5 Existing Land Uses: Midway Landfill Alternative3.4-9

Figure 3.4 6 Generalized Zoning: Midway Landfill Alternative.....3.4-10

Figure 3.5-1 Forecast Analysis Zones: OMF South Alternatives3.5-4

Figure 3.6 1 Neighborhoods: OMF South Alternatives3.6-2

Figure 3.6 2 Social Resources Affected Environment: Preferred and South 344th Street Alternatives3.6-3

Figure 3.6 3 Social Resources Affected Environment: Midway Landfill Alternative.....3.6-4

Figure 3.7 1 Visual Conditions and Key Observation Points: Mainline Track Options3.7-3

Figure 3.7 2 Visual Conditions and Key Observation Points: Preferred Alternative3.7-4

Figure 3.7 3 Visual Conditions and Key Observation Points: South 344th Street Alternative3.7-5

Figure 3.7 4 Visual Conditions and Key Observation Points: Midway Landfill Alternative3.7-6

Figure 3.7 5 Mainline Tracks Key Observation Point 1.....3.7-11

Figure 3.7 6 Mainline Tracks Key Observation Point 2.....3.7-11

Figure 3.7 7 Mainline Tracks Key Observation Point 3.....3.7-12

Figure 3.7 8 Mainline Tracks Key Observation Point 4.....3.7-12

Figure 3.7 9 Preferred Alternative Key Observation Point 1.....3.7-14

Figure 3.7 10 Preferred Alternative Key Observation Point 2.....3.7-14

Figure 3.7 11 Preferred Alternative Key Observation Point 3.....3.7-15

Figure 3.7 12 South 344th Street Alternative Key Observation Point 13.7-16

Figure 3.7 13 South 344th Street Alternative Key Observation Point 2.....3.7-17

Figure 3.7 14 South 344th Street Alternative Key Observation Point 3.....3.7-17

Figure 3.7 15 Midway Landfill Alternative Key Observation Point 13.7-18

Figure 3.7 16 Midway Landfill Alternative Key Observation Point 23.7-19

Figure 3.7 17 Midway Landfill Alternative Key Observation Point 33.7-19

Figure 3.7 18 Midway Landfill Alternative Key Observation Point 43.7-20

Figure 3.9 1 Measurement Locations for Existing Ambient Noise and Vibration: Preferred Alternative3.9-4

Figure 3.9 2 Measurement Locations for Existing Ambient Noise and Vibration: South 344th Street Alternative3.9-5

Figure 3.9 3 Measurement Locations for Existing Ambient Noise: Midway Landfill Alternative3.9-6

Figure 3.9 4 Noise Impact Locations: 55 mph Design Option3.9-10

Figure 3.9 5 Noise Barrier Locations: 55 mph Design Option3.9-14

Figure 3.10 1 Ecosystem Resources: Mainline Track Options3.10-2

Figure 3.10 2 Ecosystem Resources: Preferred and South 344th Street Alternatives3.10-3

Figure 3.10 3 Ecosystem Resources: Midway Landfill Alternative3.10-4

Figure 3.11-1 Water Resources Affected Environment: Preferred and South 344th Street Alternatives3.11-2

Figure 3.11-2 Water Resources Affected Environment: Midway Landfill Alternative.....3.11-3

Figure 3.11-3 Study Area Hydrologic Soil Groups: Preferred and South 344th Street Alternatives.....3.11-6

Figure 3.11-4 Study Area Hydrologic Soil Groups: Midway Landfill Alternative3.11-7

Figure 3.13 1 Preferred and South 344th Street Alternatives.....3.13-3

Figure 3.13 2 Hazardous Material Sites: Hazardous Material Sites: Midway Landfill Alternative3.13-4

Figure 3.14 1 Public Services: Preferred and South 344th Street Alternatives3.14-2

Figure 3.14 2 Public Services: Midway Landfill Alternative3.14-5

Figure 3.14 3 Emergency Response Routes: South 344th Street Alternative.....3.14-9

Figure 3.16 1 Area of Potential Effect: OMF South3.16-4

Figure 3.16 2 Built Environment Parcel Survey: Preferred and South 344th Street Alternatives.....3.16-7

Figure 3.16 3 Built Environment Parcel Survey: Midway Landfill Alternative3.16-8

Figure 3.17 1 Parks and Recreational Resources: Preferred and South 344th Street Alternatives.....3.17-2

Figure 3.17 2 Parks and Recreational Resources: Midway Landfill Alternative3.17-4

Figure 4.3 1 Past, Present, and Reasonably Foreseeable Future Actions.....4-5

Figure 4.3 2 Past, Present, and Reasonably Foreseeable Future Actions.....4-6

Tables

Table ES-1 Key Characteristics and Impacts of the Build Alternatives ES-17

Table ES 2 OMF South Construction Durations and Planned Opening Dates ES-19

Table ES 3 Project Schedule ES-25

Table 2.2-1 OMF South Building/Yard, MOW, and Link System-Wide Storage Staff Calculations2-5

Table 2.2-2 Draft Operating Plan for Link Light Rail2-6

Table 2.2-3 Evaluation Criteria, Measures, and Methods.....2-8

Table 2.3-1 Estimated OMF South Construction Durations.....2-28

Table 2.3-2 Midway Landfill Preparation Material Requirements2-29

Table 2.5-1 Comparative Cost Estimate for Preliminary Engineering Design of the Build Alternatives.....2-33

Table 2.7-1 Project Schedule2-35

Table 3.2 1 Average Control Delay Used in Level of Service.....3.2-6

Table 3.2 2 Planning and Operational Level of Service3.2-6

Table 3.2 3 Level of Service Standards3.2-7

Table 3.2 4	Freight Goods Transportation System Classification System	3.2-8
Table 3.2-5	Forecast Auto Volumes for the Build Alternatives 2042 AM and PM Peak Hours.....	3.2-16
Table 3.2-6	Preferred Alternative 2042 AM Peak Hour Traffic Operations.....	3.2-19
Table 3.2-7	Preferred Alternative 2042 PM Peak Hour Traffic Operations.....	3.2-20
Table 3.2-8	South 344th Street Alternative 2042 AM Peak Hour Traffic Operations.....	3.2-23
Table 3.2-9	South 344th Street Alternative 2042 PM Peak Hour Traffic Operations.....	3.2-24
Table 3.2-10	Midway Landfill Alternative 2042 AM Peak Hour Traffic Operations.....	3.2-27
Table 3.2-11	Midway Landfill Alternative 2042 PM Peak Hour Traffic Operations.....	3.2-28
Table 3.2 12	Estimated Truck Activity and Passenger Car Equivalency Values Associated with Site Preparation for the Build Alternatives.....	3.2-31
Table 3.2-13	Estimated Hourly Truck Activity at the Preferred and South 344th Street Alternatives Compared with Existing AADT	3.2-32
Table 3.2 14	Estimated Truck Activity Associated with Site Preparation for Midway Landfill Alternative Subsurface Construction Design Options	3.2-37
Table 3.2 15	Estimated Hourly Truck Activity Associated with Midway Landfill Alternative Subsurface Construction Design Options.....	3.2-37
Table 3.2-16	Estimated Daily Truck Activity for the Midway Landfill Alternative Compared with Existing AADT	3.2-39
Table 3.3 1	Potentially Affected Parcels and Displacements	3.3-3
Table 3.3 2	Affected Parcels by Land Use	3.3-3
Table 3.3-3	Property Available for Relocation in the Study Area1.....	3.3-6
Table 3.3-4	Residential Property Available for Relocation in the Study Area.....	3.3-6
Table 3.4-1	Estimated Share of Total Commercial, Mixed-Use, and Residential Zoned Land to Be Acquired.....	3.4-15
Table 3.4-2	Amount of Converted Land by Land Uses.....	3.4-16
Table 3.5-1	Population, Household, and Employment Forecasts by Region and County	3.5-2
Table 3.5-2	Population, Household, Employment Forecast by FAZ.....	3.5-2
Table 3.5-3	Employment Forecasts by Census Tract.....	3.5-3
Table 3.5 4	General Fund Revenues for Federal Way and Kent	3.5-5
Table 3.5-5	Property Acquisition Impacts on Businesses and Employees.....	3.5-7
Table 3.5-6	Total Taxable Assessed Valuation by Alternative	3.5-9
Table 3.5 7	Direct Expenditures and Direct Employment During Construction	3.5-11
Table 3.6 1	Study Area Demographics	3.6-7
Table 3.7 1	Existing Visual Quality for the OMF South Alternatives.....	3.7-2
Table 3.7-2.	Mitigation for Impacts to Visual and Aesthetic Resources	3.7-23
Table 3.8 1	Annual Operational Greenhouse Gas Emissions.....	3.8-3
Table 3.8-2	Total Annual Greenhouse Gas Emissions.....	3.8-5
Table 3.9 1	Summary of Existing Ambient Noise Measurement Results	3.9-3
Table 3.9-2	Summary of Noise Impacts: 40 mph Alignment Mainline Track	3.9-8
Table 3.9-3	Summary of Noise Impacts: 55 mph Design Option Mainline Track	3.9-8
Table 3.9-4	Typical Construction Scenario, At-Grade Track	3.9-11

Table 3.9 5 Summary of Potential Noise Barrier Locations..... 15

Table 3.10 1 Potential Long-Term Impacts on Aquatic Resources3.10-12

Table 3.10 2 Potential Long-Term Impacts on Vegetation3.10-18

Table 3.10 3 Potential Long-Term Impacts on Wetlands3.10-21

Table 3.10 4 Potential Long-Term Wetland Buffer Impacts.....3.10-21

Table 3.10-5 Potential Temporary (Construction-Related) Impacts on Aquatic Resources3.10-25

Table 3.10 6 Potential Temporary (Construction-Related) Impacts on Vegetation3.10-27

Table 3.10-7 Potential Temporary (Construction-Related) Impacts on Wetlands3.10-30

Table 3.10-8 Potential Temporary (Construction-Related) Impacts on Wetland Buffers..3.10-30

Table 3.11 1 Potentially Affected Surface Water Bodies.....3.11-5

Table 3.11 2 Impervious Surface Land Cover Changes.....3.11-10

Table 3.11 3 Pollution-Generating Impervious Surface Land Cover Changes.....3.11-10

Table 3.12 1 Cut and Fill Volumes for the OMF South Build Alternatives3.12-5

Table 3.13-1 Number of Hazardous Material Sites within Study Areas3.13-2

Table 3.14-1 Emergency Response Travel Times: South 344th Street Alternative3.14-10

Table 3.15-1 Utility Providers in Study Area3.15-2

Table 3.15-2 2019 Utility Data for Puget Sound Energy.....3.15-3

Table 3.15-3 Estimated Aggregate Annual Operational and Maintenance Energy Consumption for OMF South Build Alternatives3.15-5

Table 3.15 4 Summary of Utility Impacts for OMF South Build Alternatives3.15-8

Table 3.15 5 Total Construction-Related Energy Consumption3.15-9

Table 3.15-6 Preferred and South 344th Street Alternatives Mainline Utility Impacts Summary3.15-10

Table 3.16-1 Summary of Archaeological Resources within the APE3.16-6

Table 3.17-1 Parks and Recreational Resources: Preferred and South 344th Street Alternatives.....3.17-1

Table 3.17-2 Parks and Recreational Resources: Midway Landfill Alternative3.17-3

Table 4.3 1 Past, Present, and Reasonably Foreseeable Future Actions.....4-3

Table 4.4-1 Ecosystem Resource Impacts from Reasonably Foreseeable Future Projects in the Study Area4-13

Appendices

Appendix A	Environmental Impact Statement Support Information
A1	List of Preparers
A2	Distribution List
A3	Glossary
A4	References
Appendix B	Public Involvement and Agency Coordination
Appendix C	Conceptual Design Drawings and Engineering Information ¹
Appendix D	Midway Landfill Support Documents ¹
D1	Midway Landfill Site Engineering Optimization Report
D2	Interim Midway Landfill Preparation Memorandum
D3	Conceptual Landfill Site Reuse Plan
D4	Midway Landfill Human Health Risk Assessment (plus addendum)
Appendix E	Environmental Justice Assessment
Appendix F	Section 4(f) and Section 6(f) Assessment
Appendix G	Technical Reports ¹
G1	Transportation Technical Report
G2	Noise and Vibration Technical Report
G3	Ecosystem Resources Technical Report
G4	Historic and Archaeological Resources Technical Report
Appendix H	Supporting Information for Other Technical Analyses
H1	Potentially Affected Parcels
H2	Land Use Technical Appendix
H3	Visual and Aesthetic Resources Technical Appendix
H4	Air Quality and Greenhouse Gas Emissions Technical Appendix

¹Available on electronic flash drive and the project website at www.soundtransit.org/system-expansion/operations-maintenance-facility-south/documents. Printed versions are available for the cost of reproduction.

Acronyms and Abbreviations

AADT	Average Annual Daily Trips
ADA	Americans with Disabilities Act
APE	Area of Potential Effects
Belmor	Belmor Park Golf & Country Club
BMP	best management practice
Board	Sound Transit Board of Directors
BPA	Bonneville Power Administration
Btu	British thermal unit
CFR	Code of Federal Regulations
CO ₂ e	carbon dioxide equivalents
Corps	U.S. Army Corps of Engineers
DAHP	Washington State Department of Archaeology and Historic Preservation
dB	decibel
dBA	A-weighted decibels
Ecology	Washington State Department of Ecology
EA	environmental assessment
EDNA	Environmental Designation for Noise Abatement
EDR	Environmental Data Resources, Inc.
EIS	environmental impact statement
EMF	electromagnetic field
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
FAZ	Forecast Analysis Zone
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FWLE	Federal Way Link Extension
GHG	greenhouse gas
GIS	geographic information system
HB	House Bill
Hz	hertz
I-5	Interstate 5
in/sec	inches per second
KCRHP	King County Register of Historic Places

kV	kilovolt
Ldn	day-night sound level
LEED	Leadership in Energy and Environmental Design
Leq	equivalent sound level
LID	low-impact development
LiDAR	light detection and ranging
LOS	level of service
LRV	light rail vehicle
Metro	King County Metro Transit
MOW	Maintenance of Way
mph	miles per hour
MTCO _{2e}	metric ton carbon of dioxide equivalents
NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NHPA	National Historic Preservation Act
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
OMF	operations and maintenance facility
OMF South	Operations and Maintenance Facility South
PCE	passenger car equivalent
PM	particulate matter
PPCD	Prospective Purchaser Consent Decree
PSE	Puget Sound Energy
PSRC	Puget Sound Regional Council
Puyallup Tribe of Indians	Puyallup Tribe of the Puyallup Reservation
PVC	polyvinyl chloride
RCW	Revised Code of Washington
RMS	root mean square
ROD	Record of Decision
SEPA	State Environmental Policy Act
Sound Transit	Central Puget Sound Regional Transit Authority
Sound Transit 3	Sound Transit 3: The Regional Transit System Plan for Central Puget Sound
SOV	single occupant vehicle
SPU	Seattle Public Utilities
SR	State Route

ST3	Sound Transit 3
TCE	temporary construction easements
TDLE	Tacoma Dome Link Extension
TPSS	traction power substations
TWSC	two-way stop controlled
v/c	volume-to-capacity
VdB	vibration decibels
WAC	Washington Administrative Code
WDFW	Washington State Department of Fish and Wildlife
WDNR	Washington State Department of Natural Resources
WHR	Washington Heritage Register
WISAARD	Washington Information System for Architectural and Archaeological Records Data
WSDOT	Washington State Department of Transportation
WSLE	West Seattle Link Extension