A.1 ACRONYMS AND ABBREVIATIONS

µg/m³  micrograms per cubic meter
AC    alternating current
ADA   Americans with Disabilities Act
APE   Area of Potential Effects
BME   beyond mapped extent
BMP   best management practices
BRT   bus rapid transit
BTU   British thermal unit
CAA   Clean Air Act
CCC Transit  Center City Connector Transit Study Volume I: LPA Report and Center City Connector Transit Study Detailed Evaluation Report (Volume II)
CEQ   Council on Environmental Quality
CFR   Code of Federal Regulations
CIDBIA Chinatown-International District Business Improvement Area
CO    carbon monoxide
CSO   Combined Sewer Overflow
DAHP  Washington Department of Historic and Archaeological Preservation
dB    decibels
dBA   A-weighted decibels
DC    direct current
DSTT  Downtown Seattle Transit Tunnel
EB    eastbound
Ecology  Washington Department of Ecology
EDR   Environmental Data Resources, Inc.
EMF   electromagnetic field
EMI   electromagnetic interference
EO    Executive Order
EPA   U.S. Environmental Protection Agency
ETB   electric trolley bus
FAZ   Forecast Analysis Zones
FHWA  Federal Highway Administration
FIRES  financial, insurance, and real estate/services
FTA  Federal Transit Administration
FTE  full-time equivalent
GHG  greenhouse gas
GP  general purpose
HAL  high accident location
HSS Highway of Statewide Significance
ICR  Information Collection Request
in/sec  inch per second
IOPE  inclusive outreach and public engagement
KOP  key observation point
L_{dn}  day-night average sound level
LEP  Limited-English proficient
L_{eq}  equivalent sound level
L_{max}  maximum sound level
LOS  Level of Service
LPA  Locally Preferred Alternative
LWCF  Land and Water Conservation Fund
MMBtu  million British thermal units
mph  miles per hour
MSAT  mobile source air toxic
Mt/yr  megatons per year
NA  not applicable
NB  northbound
NFA  no-further action
NOx  oxides of nitrogen
NRHP  National Register of Historic Places
OCS  overhead contact system
OESS  on-board energy storage systems
OMF  operation and maintenance facility
PAH  polycyclic aromatic hydrocarbon
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parks</td>
<td>Seattle Parks and Recreation</td>
</tr>
<tr>
<td>PCB</td>
<td>polychlorinated biphenyl</td>
</tr>
<tr>
<td>PDA</td>
<td>Pike Place Market Preservation and Development Authority</td>
</tr>
<tr>
<td>PGIS</td>
<td>pollutant-generating impervious surface</td>
</tr>
<tr>
<td>PM</td>
<td>particulate matter</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>particulate matter 10 microns in diameter or less</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>particulate matter 2.5 microns in diameter or less</td>
</tr>
<tr>
<td>ppm</td>
<td>parts per million</td>
</tr>
<tr>
<td>PPV</td>
<td>peak particle value</td>
</tr>
<tr>
<td>PSCAA</td>
<td>Puget Sound Clean Air Agency</td>
</tr>
<tr>
<td>PSRC</td>
<td>Puget Sound Regional Council</td>
</tr>
<tr>
<td>RFFA</td>
<td>Reasonably foreseeable future actions</td>
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<tr>
<td>SB</td>
<td>southbound</td>
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<tr>
<td>SCIDpda</td>
<td>Seattle Chinatown International District Preservation and Development Authority</td>
</tr>
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<td>SDOT</td>
<td>Seattle Department of Transportation</td>
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<tr>
<td>SEL</td>
<td>sound exposure level</td>
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<tr>
<td>SFD</td>
<td>Seattle Fire Department</td>
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<tr>
<td>SIP</td>
<td>State Implementation Plan</td>
</tr>
<tr>
<td>SMC</td>
<td>Seattle Municipal Code</td>
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<tr>
<td>SO$_2$</td>
<td>sulfur dioxide</td>
</tr>
<tr>
<td>SoDo</td>
<td>South of Downtown</td>
</tr>
<tr>
<td>SPD</td>
<td>Seattle Police Department</td>
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<tr>
<td>STC</td>
<td>streetcar</td>
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<tr>
<td>STOPs</td>
<td>Simplified Trips-on-Project Software</td>
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<tr>
<td>TMP</td>
<td>Transit Master Plan</td>
</tr>
<tr>
<td>TPSS</td>
<td>traction power substations</td>
</tr>
<tr>
<td>TSP</td>
<td>transit signal priority</td>
</tr>
<tr>
<td>UG</td>
<td>undefined geographically</td>
</tr>
<tr>
<td>USDOT</td>
<td>U.S. Department of Transportation</td>
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<tr>
<td>UST</td>
<td>underground storage tank</td>
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<tr>
<td>V/C</td>
<td>volume-to-capacity</td>
</tr>
<tr>
<td>VdB</td>
<td>vibration velocity level</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------------------------------------------------</td>
</tr>
<tr>
<td>VHT</td>
<td>vehicle hours traveled</td>
</tr>
<tr>
<td>VMT</td>
<td>vehicle miles traveled</td>
</tr>
<tr>
<td>VOC</td>
<td>volatile organic compounds</td>
</tr>
<tr>
<td>WAC</td>
<td>Washington Administrative Code</td>
</tr>
<tr>
<td>WB</td>
<td>westbound</td>
</tr>
<tr>
<td>WSDOT</td>
<td>Washington State Department of Transportation</td>
</tr>
<tr>
<td>WTU</td>
<td>warehousing, transportation, and utilities</td>
</tr>
</tbody>
</table>
APPENDIX A.2
References
A.2 REFERENCES

Executive Summary


Chapter 1.0 Introduction
None.

Chapter 2.0 Project Purpose and Need


Chapter 3.0 Alternatives


Seattle Department of Transportation (SDOT). 2014c. City of Seattle Bicycle Master Plan. April
Chapter 4.0 Affected Environment, Consequences, and Mitigation Measures

4.0 Introduction


4.1 Transportation


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Seattle Department of Transportation (SDOT). 2014a. *City of Seattle Bicycle Master Plan*.

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Seattle Department of Transportation (SDOT). 2014b. *City of Seattle Bicycle Master Plan Subsequent Implementation Plan*.


4.2 Air Quality and Greenhouse Gas


### 4.3 Noise and Vibration


### 4.4 Land Use


### 4.5 Economics


City of Seattle. 2014. *Center City Connector: Briefing Overview Downtown Transportation Alliance*.


### 4.6 Social and Community Effects


4.7 Visual and Aesthetics Resources
Seattle Department of Transportation (SDOT). Seattle Streetcar Center City Connector; Transitway and Station Concepts, Precedents, Tools & Vision for First Avenue. January.
Seattle Department of Transportation (SDOT). 2015c. in Seattle Streetcar Center City Connector; Transitway and Station Concepts, Precedents, Tools and Vision for First Avenue. January.

4.8 Stormwater/Water Quality
Puget Sound Regional Council (PSRC). 2014. Travel Demand Forecast Model.

4.9 Utilities, Energy, and Electromagnetic Fields
Puget Sound Regional Council (PSRC). 2014. Travel Demand Forecast Model.

4.10 Hazardous Materials


4.11 Geologic and Soil Resources


4.12 Public and Emergency Services


4.13 Parks and Recreational Resources

4.14 Historic, Cultural, and Archaeological Resources/Section 106


4.15 Environmental Justice


5.0 Cumulative Impacts


Puget Sound Regional Council (PSRC). 2010a. *VISION 2040*.


**Chapter 6.0 Mitigation Measures**


**Chapter 7.0 Public, Tribe, and Agency Coordination and Involvement**

APPENDIX A.3
List of Recipients
A.3 LIST OF RECIPIENTS

Federal Agencies
U.S. Environmental Protection Agency, Region 10
U.S. Environmental Protection Agency Environmental Review, Washington Operations
U.S. Department of the Interior
National Parks Service
Advisory Council of Historic Preservation
U.S. Fish and Wildlife
National Oceanic and Atmospheric Administration (NOAA) Fisheries

Tribes
Muckleshoot Indian Tribe
Snoqualmie Tribe
Stillaguamish Tribes
Tulalip Tribe
Yakama Nation

State Agencies
Washington Department of Ecology
Washington State Department of Transportation
Washington State Ferries
Washington Department of Archaeology and Historic Preservation, State Historic Preservation Officer

City
Seattle Fire Department
Seattle Police department
Seattle City Light
Seattle Public Utilities
Seattle Parks and Recreation
Seattle Department of Planning and Community Development
Seattle Department of Construction and Inspections
Department of Neighborhoods, Historic Preservation
Seattle Center
International District-Chinatown Community Center
Seattle Central Library
Seattle Library International District-Chinatown Branch
Seattle Design Commission
Pioneer Square Preservation Board
Pike Place Market Historical Commission
Columbia City Landmark District
International Special Review District
Seattle Landmarks Preservation Board
Seattle Bicycle Advisory Board
Seattle Pedestrian Advisory Board
Seattle Freight Advisory Board

**County/Regional**

King County Department of Transportation, Metro
Port of Seattle
Community Transit
Sound Transit
Pierce County Transit
Puget Sound Regional Council

**Elected Officials**

Seattle Mayor’s Office
Seattle City Council
King County Executive
King County Council
Sound Transit CEO
Port of Seattle CEO
Port of Seattle Commissioners
Community Groups/Neighborhood Organizations/Others

Seattle Chinatown International Public Development Authority (SCIDpda)
Chinatown International District Business Improvement Area (CIDBIA)
Interim Community Development Association (ICDA)
Greater Seattle Chinese Chamber of Commerce
Downtown Seattle Association (DSA)
The Urban League
South Lake Union Chamber of Commerce
Pioneer Square Residents Council
Downtown Residents Council
Duwamish Tribe
APPENDIX A.4
List of Preparers
A.4 LIST OF PREPARERS

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Federal Transit Administration (FTA)
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M.S., Civil Engineering, 2011

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Jodi Ketelsen, Environmental Project Manager, Purpose and Need, Cumulative Impacts
B.S., Landscape Architecture, 1989
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