

TABLE OF CONTENTS

1.0	Executive Summary	1-1
1.1	Where is the Salmon Creek Interchange Project located?	1-1
1.2	What is the Salmon Creek Interchange Project?	1-6
1.2.1	Phase 1 Improvements	1-6
1.2.2	Phase 2 Improvements	1-9
1.3	Wetland Mitigation	1-9
1.4	Why are we proposing this project?	1-10
1.5	When would construction begin and how long would it take?	1-10
1.6	How would the project affect the environment?	1-11
1.6.1	Traffic and Transportation	1-11
1.6.2	Noise	1-11
1.6.3	Land Use	1-12
1.6.4	Historical and Cultural Resources	1-12
1.6.5	Air Quality	1-13
1.6.6	Water Resources	1-13
1.6.7	Wetlands	1-14
1.6.8	Vegetation, Wildlife, and Fish and Aquatic Resources	1-14
1.6.9	Geology and Soils	1-15
1.6.10	Hazardous Materials	1-15
1.6.11	Social Elements, Economics, and Environmental Justice	1-15
1.6.12	Visual Quality	1-16
1.6.13	Public Services and Utilities	1-16
1.7	What indirect effects would occur?	1-17
1.8	What cumulative effects would occur?	1-17
1.9	What are the benefits of the project?	1-18
1.10	Where can project information be found?	1-19
1.11	What are the next steps?	1-20
2.0	Purpose and Need for the Project	2-1
2.1	Where is the project located?	2-1
2.2	What existing facilities are located in the project study area?	2-1
2.3	What is the purpose of the project?	2-2

2.4	Why is the Salmon Creek Interchange Project needed?.....	2-2
2.4.1	Mobility	2-2
2.4.2	Safety.....	2-5
2.5	Why is the Salmon Creek Interchange Project being evaluated in this Environmental Assessment?	2-7
3.0	Developing the Alternatives.....	3-1
3.1	What previous studies led to the Salmon Creek Interchange Project?	3-1
3.1.1	Salmon Creek/Fairgrounds Regional Road Plan	3-1
3.1.2	I-5/I-205 Corridor Strategy Report	3-1
3.1.3	Access Decision Report.....	3-2
3.2	How was the Salmon Creek Interchange Project developed?	3-3
3.2.1	Design Review and Project Development	3-3
4.0	Comments and Coordination, and Permits and Approvals.....	4-1
4.1	Comments and Coordination	4-1
4.1.1	What public involvement has occurred?.....	4-1
4.1.2	How have government agencies been involved?.....	4-4
4.1.3	How have Native American Tribes been involved?	4-5
4.2	Permits and Approvals.....	4-5
5.0	Project Description	5-1
5.1	Where is the project located?.....	5-1
5.2	What are the principal features of the project?	5-2
5.2.1	Phase 1 Features.....	5-6
5.2.2	Phase 2 Improvements	5-11
5.2.3	Noise Walls.....	5-11
5.2.4	Retaining Walls.....	5-11
5.2.5	Wetland Mitigation.....	5-12
5.2.6	Property Acquisition	5-12
5.3	How would stormwater be managed?	5-12
5.4	What is the No Build Alternative?.....	5-13

6.0	The Environment: Existing Conditions, Project Effects, and Mitigation, Minimization, and Avoidance Measures	6-1
6.1	Traffic and Transportation.....	6-3
6.1.1	How was the analysis completed?.....	6-3
6.1.2	What are the current traffic conditions?	6-3
6.1.3	What are the current traffic safety concerns?	6-5
6.1.4	What facilities are available for pedestrians and bicyclists?.....	6-5
6.1.5	What transit routes are operated from the Salmon Creek Park-and-Ride?.....	6-6
6.1.6	What temporary effects to traffic would occur as a result of the project?.....	6-6
6.1.7	What long-term effects to traffic would occur?.....	6-6
6.1.8	How would the project improve safety?	6-8
6.1.9	How would the project affect pedestrians and bicyclists?	6-9
6.1.10	How would the project affect the C-TRAN Park-and-Ride?	6-9
6.1.11	What measures are proposed to minimize potential effects during construction?	6-9
6.1.12	What happens if the Salmon Creek Interchange Project is not built?	6-9
6.1.13	Why are potential effects to traffic and transportation not considered significant?	6-10
6.2	Noise.....	6-13
6.2.1	How were noise levels evaluated for the project?	6-13
6.2.2	What are the current noise levels in the project study area?	6-13
6.2.3	What temporary effects to noise levels would occur?	6-15
6.2.4	What long-term effects to noise levels would occur?.....	6-16
6.2.5	How would noise levels be affected if the project were not constructed?.....	6-18
6.2.6	What measures are proposed to minimize negative noise effects from project construction?	6-18
6.2.7	What measures are proposed to minimize negative effects once the project is built?	6-19
6.2.8	Why are noise walls not constructed in other areas?.....	6-19
6.2.9	Why are potential effects to noise not considered significant?	6-21
6.3	Land Use/Section 4(f) and Section 6(f)	6-23
6.3.1	What does land use mean and why is it important?.....	6-23
6.3.2	How were land uses and potential effects in the project study area identified?.....	6-23

6.3.3	What existing land uses are in the project study area?	6-23
6.3.4	Are there any prime or unique farmlands in the project area?.....	6-24
6.3.5	What temporary effects to land use would occur?	6-24
6.3.6	What long-term effects to land use would occur?.....	6-24
6.3.7	What Section 4(f) and Section 6(f) resources would be affected by the project?.....	6-27
6.3.8	What measures are proposed to minimize negative effects to land uses during construction activities?.....	6-28
6.3.9	What measures are proposed to minimize negative effects to land uses once the project is built?	6-28
6.3.10	Why are the potential negative effects to local land uses not considered significant?	6-29
6.4	Historical and Cultural Resources.....	6-31
6.4.1	What are historical or cultural resources?	6-31
6.4.2	How were historical and cultural resources evaluated for the project study area?.....	6-31
6.4.3	What historic or cultural resources are located within the project study area?.....	6-32
6.4.4	What temporary effects to historic properties would occur?	6-32
6.4.5	What long-term effects to historic properties would occur?.....	6-32
6.4.6	How would historic properties be affected if the project were not built?	6-33
6.4.7	What measures are proposed to minimize effects to historic properties?.....	6-33
6.4.8	Why are the potential adverse effects to historic properties not considered significant?	6-33
6.5	Air Quality	6-35
6.5.1	Is air quality a concern in the project study area?	6-35
6.5.2	How was air quality evaluated in the project study area?	6-35
6.5.3	What temporary effects to air quality would occur?	6-37
6.5.4	What long-term effects to air quality would occur?.....	6-38
6.5.5	How would air quality be affected if the project were not constructed?	6-38
6.5.6	What measures are proposed to minimize the negative effects to air quality during construction activities?	6-40
6.5.7	What measures are proposed to minimize the negative effects to air quality once the project is built?	6-40
6.5.8	Why are potential effects to air quality not considered significant?.....	6-40

6.6	Water Resources	6-41
6.6.1	How were water resources evaluated for the project?	6-41
6.6.2	What water resources are present in the project study area?	6-41
6.6.3	How is stormwater from I-5, I-205, and Clark County arterial and collector streets currently managed?.....	6-44
6.6.4	What temporary effects to water resources could occur?	6-44
6.6.5	What long-term effects to water resources would occur?.....	6-45
6.6.6	What effects to water resources would result if the project was not built?	6-46
6.6.7	What measures are proposed to minimize the negative effects to water resources during construction activities?	6-46
6.6.8	What measures are proposed to minimize negative effects to water resources once the project is built?	6-46
6.6.9	Why are the potential negative effects to water quality not considered significant?	6-46
6.7	Wetlands Biology.....	6-49
6.7.1	How were wetlands identified in the project study area?.....	6-49
6.7.2	Are wetlands located in the project study area?.....	6-49
6.7.3	What temporary effects to wetlands would occur?	6-51
6.7.4	What long-term effects to wetlands would occur?.....	6-51
6.7.5	How would wetlands be affected if the project were not built?	6-52
6.7.6	What measures are proposed to minimize the negative effects to wetlands during construction?.....	6-53
6.7.7	What measures are proposed to minimize the negative effects to wetlands once the project is built?	6-54
6.7.8	Why are these potential negative effects to wetlands not considered significant?	6-55
6.8	Vegetation, Wildlife, and Fish and Aquatic Resources	6-57
6.8.1	How were vegetation, wildlife, and fish and aquatic resources identified in the project study area?.....	6-57
6.8.2	What vegetation, wildlife, fish and aquatic resources were found in the biological study area?.....	6-57
6.8.3	What temporary effects to vegetation, wildlife, and fish and aquatic resources would occur?.....	6-59
6.8.4	What long-term effects to vegetation, wildlife, and fish and aquatic resources would occur?.....	6-60
6.8.5	How would vegetation, wildlife, and fish and aquatic resources be affected if the project were not built?.....	6-61
6.8.6	What measures are proposed to minimize negative effects to vegetation, wildlife, and fish and aquatic resources?	6-62

6.8.7	Why are potential effects to vegetation, wildlife, and fish and aquatic resources not considered significant?	6-62
6.9	Earth (Geology and Soils)	6-63
6.9.1	How were geology and soils evaluated for the proposed project?	6-63
6.9.2	What are the characteristics of the geology and soils in the project study area?	6-63
6.9.3	Are there any unique geologic features in the project study area?	6-63
6.9.4	What hazards are associated with the geology and soils of the project study area?	6-65
6.9.5	What temporary effects to geologic and soils resources would occur?	6-66
6.9.6	What long-term effects to geologic and soils resources would occur?	6-68
6.9.7	Would there be effects to or from soils and geology in the project study area if the project were not constructed?	6-68
6.9.8	What measures are proposed to minimize negative effects to or from geology and soils during construction?	6-68
6.9.9	What measures are proposed to minimize effects to geology and soils once the project is built?	6-69
6.9.10	Why are the potential effects to soil and geology elements not considered significant?	6-69
6.10	Hazardous Materials	6-71
6.10.1	How were hazardous materials identified in the project study area?	6-71
6.10.2	Are there any sites in the project study area that could have contamination risks?	6-71
6.10.3	What effects to hazardous materials would occur?	6-73
6.10.4	What effects related to hazardous materials would occur if the project were not built?	6-74
6.10.5	What measures are proposed to minimize negative effects?	6-74
6.10.6	Why are the potential negative effects from hazardous materials not considered significant?	6-74
6.11	Social Elements, Economics, and Environmental Justice	6-75
6.11.1	What types of data were analyzed for the project?	6-75
6.11.2	What is the character of the project study area?	6-75
6.11.3	What community and social services are found in the project study area?	6-78
6.11.4	Environmental Justice	6-83
6.11.5	What temporary effects to communities, neighborhoods, and businesses would occur?	6-86

6.11.6	Would existing properties, residences, or businesses be acquired or displaced by the project?	6-88
6.11.7	Would minority and/or low-income populations be disproportionately affected by project construction activities?	6-89
6.11.8	What measures are proposed to minimize negative effects to communities, neighborhoods, and businesses during construction?	6-90
6.11.9	Would communities, neighborhoods, and businesses be affected once the project is built?.....	6-91
6.11.10	Would communities, neighborhoods, and businesses be affected if the project were not built?	6-92
6.11.11	What measures are proposed to minimize negative long-term effects to communities, neighborhoods, and businesses?.....	6-93
6.11.12	Why are potential effects to communities, neighborhoods, and businesses associated with the project not considered significant?	6-93
6.12	Visual Quality	6-95
6.12.1	How were visual resources in the project study area identified and evaluated?	6-95
6.12.2	What is the existing visual quality of the area and who are the primary viewers?.....	6-95
6.12.3	How would people be affected by visual changes as a result of the project?.....	6-98
6.12.4	What temporary effects to visual resources would occur?.....	6-102
6.12.5	How would visual resources be affected if the project were not constructed?.....	6-102
6.12.6	What measures are proposed to minimize negative effects to visual resources during construction?	6-102
6.12.7	What measures are proposed to minimize negative effects to visual resources once the project is built?.....	6-103
6.12.8	Why are the potential negative effects to visual resources not considered significant?	6-103
6.13	Public Services and Utilities.....	6-105
6.13.1	How were public services and utilities in the project study area identified and evaluated?.....	6-105
6.13.2	What public services and utilities are located in the project study area?.....	6-105
6.13.3	What temporary effects to public services and utilities would occur?	6-106
6.13.4	What long-term effects to public services and utilities would occur?	6-106
6.13.5	Would public services and utilities be affected if the project were not built?	6-107

- 6.13.6 What measures are proposed to minimize negative effects to public services and utilities?..... 6-107
- 6.13.7 Why are potential effects to public services and utilities associated with the project not considered significant? 6-108

7.0 Indirect Effects, Cumulative Effects, and Other Considerations 7-1

- 7.1 Indirect Effects 7-1
 - 7.1.1 What are indirect effects? 7-1
 - 7.1.2 Would the Salmon Creek Interchange Project result in any indirect effects? 7-1
- 7.2 Cumulative Effects..... 7-3
 - 7.2.1 What are cumulative effects?..... 7-3
 - 7.2.2 What resources were evaluated for cumulative effects? 7-4
 - 7.2.3 What are the temporal and geographic boundaries used for the cumulative effects analysis?..... 7-4
 - 7.2.4 What actions other than the Salmon Creek Interchange Project are included in the cumulative effects analysis?..... 7-5
 - 7.2.5 How have the analyzed resources been historically affected? 7-9
 - 7.2.6 Would the Salmon Creek Interchange Project contribute to any cumulative effects? 7-12
 - 7.2.7 What measures are proposed to minimize cumulative effects? 7-13
- 7.3 Climate Change 7-14
 - 7.3.1 How do transportation projects affect climate change? 7-14
 - 7.3.2 What efforts are underway to reduce greenhouse gas emissions in Washington State? 7-14
 - 7.3.3 What effect would the transportation improvements from the Salmon Creek Interchange Project have on greenhouse gas emissions? 7-16
 - 7.3.4 How would this project minimize emissions while under construction? 7-17
- 7.4 Irreversible and Irretrievable Commitment of Resources 7-18
 - 7.4.1 What irreversible and irretrievable resources would be committed to the project? 7-18
- 7.5 Relationship of Short-Term Uses of Environment and Long-Term Benefits 7-19
 - 7.5.1 What are the tradeoffs between short-term losses of environmental resources and long-term benefits from the project?..... 7-19

8.0	Environmental Commitments.....	8-1
8.1	Traffic and Transportation.....	8-1
	8.1.1 Construction Commitments.....	8-1
8.2	Noise.....	8-1
	8.2.1 Construction Commitments.....	8-1
	8.2.2 Long-term Commitments	8-1
8.3	Land Use/Section 4(f) and Section 6(f)	8-2
	8.3.1 Construction Commitments.....	8-2
8.4	Historic and Cultural Resources.....	8-2
	8.4.1 Construction Commitments.....	8-2
8.5	Air Quality	8-2
	8.5.1 Construction Commitments.....	8-2
8.6	Water Resources	8-3
	8.6.1 Construction Commitments.....	8-3
	8.6.2 Long-term Commitments	8-3
8.7	Wetlands Biology.....	8-3
	8.7.1 Construction Commitments.....	8-3
	8.7.2 Long-term Commitments	8-3
8.8	Vegetation, Wildlife, and Fish and Aquatic Resources.....	8-4
	8.8.1 Construction Commitments.....	8-4
	8.8.2 Long-term Commitments	8-4
8.9	Earth (Geology and Soils)	8-4
	8.9.1 Construction Commitments.....	8-4
	8.9.2 Long-term Commitments	8-4
8.10	Hazardous Materials	8-5
	8.10.1 Construction Commitments.....	8-5
8.11	Social Elements, Economics, and Environmental Justice	8-5
	8.11.1 Construction Commitments.....	8-5
	8.11.2 Long-term Commitments	8-6
8.12	Visual Quality	8-6
	8.12.1 Construction Commitments.....	8-6
	8.12.2 Long-term Commitments	8-6
8.13	Public Services and Utilities.....	8-7
	8.13.1 Construction Commitments.....	8-7

9.0	References	9-1
10.0	List of Preparers	10-1

LIST OF TABLES

Table 2.4-1	Existing Intersection Conditions (2005) and Projected Future No Build Conditions (2030)	2-4
Table 2.4-2	Existing Roadway PM Peak Speed Conditions and Projected Year Roadway PM Peak Speed 2030 No Build Conditions Comparison.....	2-4
Table 6.1-1	Projected 2030 Intersection No Build Alternative and Proposed Build Alternative Comparison.....	6-7
Table 6.1-2	Projected No Build Alternative PM Peak Speed Conditions and Proposed Build Alternative PM Peak Speed Comparison	6-8
Table 6.2-1	Typical Construction Equipment Noise Levels	6-15
Table 6.7-1	Estimated Wetland Effect Summary by Category.....	6-52
Table 6.7-2	Example: Wetland Mitigation Requirements Using Wetland Creation.....	6-54
Table 6.10-1	Reasonably Predictable Properties	6-73
Table 6.11-1	Occupation and Industry in the Salmon Creek Area.....	6-82
Table 6.12-1	Landscape Unit Descriptions	6-97
Table 6.12-2	Proposed Project Effects to Landscape Units.....	6-101

LIST OF EXHIBITS

Exhibit 1.1-1	Vicinity Map	1-3
Exhibit 1.1-2	Project Study Area	1-4
Exhibit 1.2-1	Proposed Build Alternative	1-7
Exhibit 2.1-1	The Existing Salmon Creek Interchange.	2-1
Exhibit 2.4-1	Clark County Population from 1995 to 2030.....	2-3
Exhibit 2.4-2	Current (2005) and Projected (2030) Interstate Average Weekday Traffic Volumes	2-5
Exhibit 2.4-3	Current (2005) and Projected (2030) Local Roadway Average Weekday Traffic	2-5
Exhibit 2.4-4	Interstate Accidents – 2001 Through 2006	2-6
Exhibit 5.2-1	Project Study Area	5-3
Exhibit 5.2-2	Proposed Build Alternative	5-5
Exhibit 5.2-3	Conceptual Visualization of the Expanded Interchange Complex (I-5 Looking North)	5-7

Exhibit 5.2-4	Conceptual Visualization of the Expanded Interchange Complex (I-5 Looking South).....	5-7
Exhibit 5.2-5	Conceptual Local Roadway, NE 139th Street\ NE Tenney Road to the Main Driveway Entrance of Legacy Hospital.....	5-8
Exhibit 5.2-6	Conceptual Cross Sections (I-5)	5-9
Exhibit 6.1-1	Current Conditions During Peak PM Traffic Hour	6-4
Exhibit 6.1-2	Projected 2030 Afternoon Peak Conditions Under the No Build Alternative	6-11
Exhibit 6.2-1	Noise Analysis Segments.....	6-14
Exhibit 6.2-2	Existing (2005) and Future (2030) Predicted Noise Levels	6-17
Exhibit 6.2-3	Proposed Noise Wall Locations	6-20
Exhibit 6.3-1	Existing Land Use	6-25
Exhibit 6.3-2	Property Acquisitions	6-26
Exhibit 6.5-1	Intersections Modeled	6-36
Exhibit 6.5-2	One Hour Average and Eight Hour Average of Carbon Monoxide (CO) Levels.....	6-39
Exhibit 6.6-1	How does water move across and below the ground?.....	6-42
Exhibit 6.6-2	Surface Water Locations in the Project Area.....	6-43
Exhibit 6.7-1	Wetland Components	6-49
Exhibit 6.7-2	Wetlands Affected by the Proposed Project.....	6-50
Exhibit 6.7-3	Wetland Categories	6-51
Exhibit 6.7-4	Wetland Mitigation Site Study Area	6-56
Exhibit 6.9-1	Geology Map	6-64
Exhibit 6.9-2	Liquefaction	6-65
Exhibit 6.9-3	Geologic Hazards Map	6-67
Exhibit 6.10-1	Hazardous Materials Sites	6-72
Exhibit 6.11-1	Public and Community Services	6-79
Exhibit 6.11-2	Socioeconomic Study Area Populations.....	6-80
Exhibit 6.11-3	Minority, Low-Income, Elderly, and Disabled Socioeconomic Study Area Population with Clark County Comparison.....	6-80
Exhibit 6.11-4	Population Growth in Clark County.....	6-81
Exhibit 6.11-5	Percent Minority Population Block Group	6-84
Exhibit 6.11-6	Percent Below Federal Poverty Line	6-85
Exhibit 6.12-1	Landscape Units and Key Viewpoints.....	6-96

Exhibit 6.12-2 Conceptual View Before and After of I-5 Northbound South of Proposed NE 139th Street Overpass	6-99
Exhibit 6.12-3 Conceptual View Before and After of Proposed NE 139th Street Near NE 10th Street.....	6-100
Exhibit 7.2-1 Projects Evaluated for the Cumulative Effects Analysis	7-6
Exhibit 7.3-1 2005 GHG Emissions by Sector in Washington State and Nationwide	7-14

LIST OF SIDEBARS

What is mobility?.....	1-1
What are direct and indirect effects?.....	1-1
What is an auxiliary lane?	1-8
What is a slip ramp?	1-9
What is an adjusted decibel (dBA)?.....	1-11
What does reasonable and feasible mean with regard to noise?	1-11
What is the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended?.....	1-12
What is the National Register of Historic Places (NRHP)?	1-12
What is carbon monoxide (CO)?	1-13
What is wetland mitigation?.....	1-14
What are aquatic resources?	1-14
What is environmental justice?	1-15
What are indirect and cumulative effects?	1-17
What is a Nickel Project?.....	2-1
What is mobility?.....	2-2
What is capacity?	2-2
What is Level of Service (LOS)?	2-3
What is concurrency?.....	2-3
What is a finding of no significant impact (FONSI)?.....	2-7
Interchange Designs.....	3-2
What is a single-point urban interchange (SPUI)?	3-3
What is a tight diamond interchange?	3-3
What were the initial three alternatives examined?	3-3
What were the three alternatives advanced for further screening?.....	3-5
What is scoping?	4-1
Where is project information available?	4-3

What is a direct effect?.....	5-1
What is an indirect effect?	5-1
What is the project timeline?.....	5-2
What is an auxiliary lane?	5-6
What is a slip ramp?	5-11
What is a noise wall?.....	5-11
What is a horizon year?	6-3
What is a peak hour?.....	6-3
What is queuing?.....	6-3
What are FHWA’s noise abatement criteria?.....	6-13
What is a receptor (with regard to noise)?.....	6-13
What is an adjusted decibel (dBA)?.....	6-13
How and when are noise walls considered?	6-19
What is prime and unique farmland?.....	6-24
What is a partial acquisition vs. a total acquisition?	6-24
What is access control?	6-24
What is Section 4(f) and 6(f)?.....	6-27
What is a finding of <i>de minimis</i> impact?	6-27
What is an area of potential effects (APE)?	6-31
What is the National Register of Historic Places (NRHP)?	6-31
What is NAAQS?	6-35
What is carbon monoxide (CO)?	6-35
What is ozone?.....	6-35
What is particulate matter (PM)?	6-35
What is a receptor (with regard to air quality)?	6-37
What is nitrogen oxide (NOx)?.....	6-38
What are best management practices (BMPs)?.....	6-40
What are water resources and why are they important?	6-41
What is the Clean Water Act?	6-41
What is a floodplain?.....	6-42
What is groundwater?	6-44
What is a Sole Source Aquifer (SSA) program?.....	6-44

What are Temporary Erosion and Sediment Control (TESC) plans and Spill Prevention, Control, and Countermeasures (SPCC) plans?.....	6-46
What are wetlands and why are they important?.....	6-49
What is a wetland buffer?.....	6-49
What is wetland mitigation?.....	6-54
What is the Endangered Species Act?.....	6-57
What are aquatic resources?	6-59
What is the OHW?	6-62
What is an epoch?.....	6-63
What is liquefaction?	6-65
What are hazardous materials and how are they classified?.....	6-71
How is the level of "risk" defined related to hazardous materials effects?.....	6-73
What are social and economic elements and why are they important?.....	6-75
What is community cohesion?.....	6-76
What is environmental justice?	6-83
What are census tracts and block groups?.....	6-83
What is the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970?	6-93
What is a landscape unit?	6-95
What is a key viewpoint?	6-95
What is the project viewshed?.....	6-95
What are public services and utilities and why are they important?	6-105
What are temporal and geographic boundaries?.....	7-4
What is an action area?.....	7-4
What is a "depressed" salmonid stock?.....	7-11
What does vehicle miles traveled (VMT) mean?.....	7-15
What are irreversible and irretrievable commitments of resources?	7-18

LIST OF APPENDICES

Appendix A: Discipline Reports

- Transportation
- Noise
- Land Use
- Air Quality
- Water Resources
- Wetlands Biology
- Vegetation, Wildlife, and Fish and Aquatic Resources
- Vegetation, Wildlife, and Fish Resources I-5/I-205 Salmon Creek Interchange Project Potential Mitigation Sites Technical Memorandum
- Earth (Geology and Soils)
- Hazardous Materials
- Hazardous Materials Technical Memorandum – Dietrich, Grimm, and Padden Properties – Potential Wetland Mitigation Sites
- Social Elements, Economics, and Environmental Justice
- Visual Impact Analysis

Appendix B: Project Maps

Appendix C: ESA Consultation Documentation

Appendix D: Section 106 Concurrence and Section 4(f) De Minimis Impact Finding

Appendix E: FPPA Documentation

LIST OF ACRONYMS AND ABBREVIATIONS

AASHTO	American Association of State Highway and Transportation Officials
ADA	Americans with Disabilities Act
AGCW	Associated General Contractors of Washington
APE	area of potential effect
BA	Biological Assessment
BMP	best management practice
CCPW	Clark County Public Works
CD	compact disk
CO	carbon monoxide
CO ₂	carbon dioxide
CWA	Clean Water Act
DAHP	Department of Archaeology and Historic Preservation
dBa	adjusted decibel
DNR	Department of Natural Resources (Washington)
DNR-DGER	Department of Natural Resources Division of Geology and Earth Resources (Washington)
EA	Environmental Assessment
Ecology	Washington State Department of Ecology
EPA	Environmental Protection Agency
EPM	Environmental Procedures Manual
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
FPPA	Farmland Protection Policy Act
FHWA	Federal Highway Administration
FONSI	Finding of No Significant Impact
FPA	Forest Practices Act
FPPA	Farmland Protection Policy Act
GHG	greenhouse gas
GMA	Growth Management Act
HAC	high accident corridor
HAL	high accident location
HOT	high occupancy tolled lanes
HOV	high occupancy vehicle
HRM	Highway Runoff Manual
IRT	Incident Response Team
LOS	level of service
LWCFA	Land and Water Conservation Funds Act
MAP	Multiagency Permit
mph	miles per hour
MSAT	Mobile Source Air Toxic

NAAQS	National Ambient Air Quality Standards
NEPA	National Environmental Policy Act
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOx	nitrogen oxide
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWAA	Northwest Archeological Associates
OFM	Office of Financial Management
OHW	ordinary high water
OSHA	Occupational Safety and Health Association
PGIS	pollution-generating impervious surface
PM	particulate matter
RCI	residential, commercial, and industrial
RCW	Revised Code of Washington
ROW	right-of-way
RTC	Regional Transportation Council
SEPA	State Environmental Policy Act
SPCC	spill prevention, control, and countermeasures
SPUI	single-point urban interchange
SSA	sole source aquifer
TDA	threshold discharge area
TESC	temporary erosion and sedimentation control
TMDL	total maximum daily load
TMP	Traffic Management Plan
USACE	United States Army Corps of Engineers
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VMT	vehicle miles traveled
WAC	Washington Administrative Code
WASIST	Washington State Intersection Screening Tool
WDFW	Washington Department of Fish and Wildlife
WDNR	Washington Department of Natural Resources
WSDOT	Washington State Department of Transportation
WSU	Washington State University