



The Alaskan Way Viaduct  
& Seawall Replacement Project

# Draft Permit Strategy

Submitted to:

**Washington State Department of Transportation**

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August 2006

# SR 99 | Alaskan Way Viaduct & Seawall Replacement Project

## Draft Permit Strategy

Agreement No. Y-7915

Task AX

The SR 99: Alaskan Way Viaduct & Seawall Replacement Project is a joint effort between the Federal Highway Administration (FHWA), the Washington State Department of Transportation (WSDOT), and the City of Seattle. To conduct this project, WSDOT contracted with:

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# Permits Strategy

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## 1.0 Introduction/Overview

4 This report describes the approach for permitting the Alaskan Way Viaduct and  
5 Seawall Replacement Project (AWVSRP). The main purpose of the report is to  
6 develop strategies for facilitating permit review and ensuring that permits do not  
7 become the critical path for the project. It is very easy for the environmental  
8 compliance and permit process to delay a project. The complexity of the AWVSRP  
9 demands a permit process that minimizes risk and maximizes communication and  
10 coordination between permit authorities, engineers, designers, permit writers, and  
11 contractors to ensure that the project conforms to the terms and conditions of  
12 approval.

13 This report is intended to describe the following:

- 14 • What permits and approvals are needed for the project
- 15 • When permits are needed – what project activities trigger permits
- 16 • How permits will be obtained and methods for streamlining permit review
- 17 • The timelines for obtaining permits
- 18 • Roles and responsibilities of the people tasked with obtaining permits and  
19 approvals
- 20 • The process to manage change (regulatory changes, project changes, etc.)
- 21 • How environmental and permitting conditions, commitments, and  
22 mitigation are monitored and implemented
- 23 • What is involved in closing out permits
- 24 • Agency, internal team and contractor coordination
- 25 • Documentation of the permit process

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## 1.1 Project Description

5 The Alaskan Way Viaduct (SR 99) is a primary north-south route through Seattle and  
6 carries 20 to 25 percent of the traffic traveling through downtown.

7

8 The Alaskan Way Viaduct and Seawall Replacement Project (AWVSRP) was initiated  
9 in response to several events: (1) The 53-year old viaduct and adjacent seawall are  
10 well past their design life and repairs can no longer extend their usability, (2) The  
11 recent Nisqually earthquake (2001) damaged the viaduct, and (3) The viaduct and  
12 seawall are both vulnerable to failure from future earthquakes.

13

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## 1.2 Alternatives Being Considered

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## 2.0 Required Permits and Approvals

19 This section summarizes the permits and approvals required for the project (see  
20 Appendix A<sup>1</sup>). These are separated into permits/approvals required for construction  
21 and operation. The construction permits are further defined in two groups:  
22 environmental permits and contractor permits. The environmental permits would be  
23 obtained by the project permit team and the contractor permits would be obtained  
24 by the contractors for their specific areas of construction work.

---

<sup>1</sup> Appendix A describes each of the permits and approvals shown in Table X in greater detail. The permit description includes the statutes and regulations under which the permit is issued, as well as important approval criteria that will be considered by the reviewing agency. It lists whether or not other permits and approvals are required before certain permits can be issued. Application procedures, cost, duration of the permit and whether extensions are available are also described. An estimated timeline/schedule for each permit, as well as a discussion of the permit review process including public involvement and appeals is included with a flowchart depicting the process (for most but not all permits).



1 For the purposes of this report the following definitions of a permit and approval  
2 apply:

3 A permit is defined as an official document required by law that gives  
4 permission for a specific activity under certain conditions. An example is a  
5 Section 404 permit issued by the U.S. Army Corps of Engineers.

6 An approval means a document or process other than a permit that needs a  
7 signature by someone in authority at an agency that has jurisdiction over a  
8 particular activity. An approval may include documentation, certification,  
9 concurrence, easement or license. For example, Section 106 of the National  
10 Historic Preservation Act requires no permit, but does require concurrence  
11 by the State Historic Preservation Office (SHPO).

12 Environmental review approvals are closely associated with permits and are laws,  
13 statutes, executive orders, and regulations that must be complied with prior to  
14 obtaining permits or in association with the permit. For example, for the AWVSRP  
15 these include compliance with the National Environmental Policy Act, State  
16 Environmental Policy Act, National Historic Preservation Act - Section 106, Clean  
17 Air Act - Air Quality Conformity, Transportation Act - Section 4(f), Executive Order  
18 on Environmental Justice, Endangered Species Act, Magnuson Stevens Fishery  
19 Conservation and Management Act, and the Marine Mammal Protection Act.  
20 Compliance with these environmental review approvals is occurring through the  
21 environmental impact state upon issuance of the environmental impact statement  
22 and Record of Decision.

---

## 2.1 ~~2~~or Construction

### 24 2.1.1 Environmental Permits

25 Construction related environmental permits that will be obtained by the project team  
26 are identified below in Table X. Table X also indicates the issuing agency, code  
27 authority for the permit, conditions requiring a permit or approval, and the project  
28 activity that triggers the need for a permit.

29 **Table X. Summary Environmental Permits Matrix**

Permit or Approval	Issuing Agency	Code Authority	Conditions Requiring Permit	Project Trigger Activity
<b>Federal Permits or Approvals</b>				
Clean Water Act Section 404	US Army Corps of Engineers	33 USC§1344 33 CFR§323 40 CRR§230	Placing a structure, excavating, or discharging dredged or fill material into waters of the United States.	Temporary over water structures between piers, temporary ferry holding, rip rap replacement, work on seawall

<b>River and Harbors Act Section 10</b>	US Army Corps of Engineers	33 USC§401 33 USC§403 33 CFR§320 33 CFR§322	Placement of structures and discharge of material into navigable waters of the United States.	Over water structures between piers, temporary ferry holding, rip rap replacement, work on seawall
<b>Clearance Approval</b>	Bonneville Power Administration/ NW Regional Power Grid		Shutting down the regional electrical grid.	Turning off and moving a regional electric transmission line (Transmission Line #4).
<b>State Permits or Approvals</b>				
<b>Clean Water Act Section 401 Certification</b>	Washington Department of Ecology	33 USC§1341 RCW 90.48 WAC 173-225 WAC 173-201	Federally permitted projects must comply with Section 401.	Applying for a federal permit or license to conduct any activity that might result in a discharge of dredge or fill material into water or non-isolated wetlands or excavation in water or non-isolated wetlands. (Corps of Engineers permit)
<b>Coastal Zone Management Act Certification</b>	Washington Department of Ecology	16 USC§1451 15 CFR§930	Federally funded or permitted projects within one or more of the 15 CZMA counties must comply with CZMA.	Federal activity, projects requiring a federal license or permit and Federal Assistance Programs proposed within any of Washington's 15 coastal counties (Corps of Engineers permit.)
<b>NPDES Construction Stormwater Permit</b>	Washington Department of Ecology	33 USC§1342 40 CFR§122-124 RCW 90.48 WAC 173-220 WAC 173-226	Projects that disturb (e.g., clearing, grading, etc.) one or more acres of soil.	Overall project demolition and construction activities.
<b>NPDES Wastewater Discharge Permit</b>	Washington Department of Ecology	RCW 90.48	Activities resulting in the disposal or waste material into a waterbody	Separate or joint permits may be needed for; project dewatering, tunnel operations and CSO operations
<b>Underground Storage Tanks</b>	Washington Department of Ecology, Seattle Department of Transportation	RCW 90.76	Removal or abandonment of underground storage tanks.	Removal or decommissioning of existing underground storage tanks if discovered.
<b>Hydraulic Project Approval</b>	Washington Department of Fish and Wildlife	RCW 77.55 WAC 220-100	Activities that use, divert, obstruct, or change the natural flow or bed of state waters.	Seawall work, rip rap replacement, sheet pile walls, temporary over water structures.
<b>Aquatic Lands Use</b>	Washington Department of	RCW 79.90 WAC 332-30	Using state owned aquatic lands (includes	Possibly for seawall work, temporary over

<b>Authorization</b>	Natural Resources		harbors, state tidelands, shorelands, and beds of navigable waters).	water structures, any use of WDNR lands.
<b>Regional Permits and Approvals</b>				
<b>Discharge of Construction Dewatering</b>	King County	KCC 28.84	Discharge of construction dewatering to the sanitary sewer system.	Discharge of construction dewatering to the sanitary sewer system.
<b>City of Seattle Permits and Approvals</b>				
<b>Environmental Critical Area (ECA) Ordinance</b>	Seattle Department of Planning and Development	SMC 25.09	Any proposed construction activities that would occur within or near critical areas. Master Use Permits, Grading and Drainage Approvals all require compliance with the ECA Ordinance (unless an exemption is obtained).	Central waterfront work, in-water work.
<b>Tree Protection Regulations</b>	Seattle Department of Planning and Development	SMC 25.09.320 and SMC 25.11	Depending on location, removal of trees over six inches in diameter or trees designated as "exceptional."	Depending on location, removal of trees over six inches in diameter or trees designated as "exceptional"
<b>Master Use Permit (MUP)</b>	Seattle - Planning and Community Development	SMC 23.76	Any land use development within the City. This permit only applies to construction inside the ROW if the construction is located inside of the Shoreline Area.	For work outside of the right of way. For work within the right of way standards must be met although permit may not be needed.
<b>Shoreline Substantial Development Permit</b>	Seattle Department of Planning and Development	RCW 90.58 WAC 173-14-18 SMC 23-60	Any "substantial development" located within 200 feet of the waters of the state other than some maintenance activities.	All work within 200 feet of the shoreline
<b>Grading Permit</b>	Seattle - Planning and Community Development	SMC 22.800	Work that is located outside of the ROW and alters the grades more than 3 feet and (1) involve more than 100 cubic yards of earth disturbance, or (2) grading would result in slopes steeper than 3 to 1. Additional standards apply in shoreline districts and some environmentally critical areas.	For work outside of the right of way. For work within the right of way standards must be met although permit may not be needed.

<b>Stormwater and Drainage Control Review</b>	Seattle - Planning and Community Development	SMC 22.800	Any land disturbing activities or construction of new impervious surface over 750 square feet.	Most likely for work outside of ROW
<b>Demolition Permit</b>	Seattle - Planning and Community Development	SMC 23.76	Required for demolition of structures.	For removal of Viaduct
<b>Building Permit</b>	Seattle Department of Planning and Development	SMC 22.100	Construction of new buildings or structures.	Construction of new buildings or structures outside of AWVSRP ROW
<b>Side Sewer Permit</b>	Seattle - Planning and Community Development and Seattle Public Utilities	Director's Rule 3-2004 and SPU Rule 02-04	Temporary construction dewatering and discharge of dewatering to the sanitary sewer system.	For stormwater and wastewater utility work
<b>Noise Variance</b>	Seattle - Planning and Community Development	SMC 25.08	Activities that cause noise levels to exceed City standards.	24 hour work shifts
<b>Street Use Permit</b>	Seattle Department of Transportation	SMC 15.04 SMC 15.32	Any work within the public right-of-way (includes street and utility improvements, landscaping, and lighting).	Various activities in or effecting ROW
<b>Pike Place Market Historic District</b>	Seattle Department of Neighborhoods and Pike Place Market Historic District Commission	SMC 25.24	Alterations to historic structures or new structures within the district.	Alterations to historic structures or new structures within the district.
<b>Pioneer Square Preservation District</b>	Seattle Department of Neighborhoods and Pioneer Square Preservation Board	SMC 25.28	Alterations to historic structures or new structures within the district.	Alterations to historic structures or new structures within the district.
<b>International Special Review District</b>	Seattle Department of Neighborhoods and International Special Review Board	SMC 23.66	Alterations to historic structures or new structures within the district.	Alterations to historic structures or new structures within the district.
<b>Landmark Building Approval</b>	Seattle Department of Neighborhoods	SMC 25.12	Change to the exterior appearance of any landmark designated	Change to the exterior appearance of any landmark designated

	and Landmarks Preservation Board		structure.	structure. Buildings 25 years or older may qualify as landmarks
<b>Utility Clearance Approvals</b>	Seattle City Light	N/A	Utility relocation, substation modification, transmission outage request, and feeder clearance permit.	Transmission line relocation
<b>Railroad Right-of-Way Use Approval</b>	Burlington Northern and Santa Fe	N/A	Use of the railroad right-of-way.	Utility relocation, access ramps, and detours.

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5 2.1.2 Contractor/Construction Permits

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7 **Table X. Summary Contractor Permits Matrix**

<b>Permit</b>	<b>Issuing Agency</b>	<b>Code Authority</b>	<b>Trigger Activity</b>	<b>Project Activity</b>
<b>Over the Counter Permits</b>	Seattle - Planning and Community Development	International Building Code	New mechanical equipment, electric work, new or altered signs, use of concrete trucks downtown, fire alarms, and new elevators, construction traffic approvals, and required parking.	Various activities
<b>Street Use Permit</b>	Seattle Department of Transportation	SMC 15.04 SMC 15.32	Any work within the public right-of-way (includes street and utility improvements, landscaping, and lighting).	Various activities in or effecting ROW
<b>Construction Traffic Approvals</b>	Seattle Department of Transportation	Various Codes and Ordinances.	Use of over-legal truck loads, vehicles longer than 30 feet, or concrete trucks.	Activities that require the detour of traffic or that will result in large truck traffic in the Downtown Traffic Control Zone.

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## 2.2 For Operations

- 2 2.2.1 City of Seattle Stormwater NPDES
- 3 Permit
- 4
- 5 2.2.2 City of Seattle NPDES Permit (for
- 6 CSOs)
- 7
- 8 2.2.3 City of Seattle/WSDOT NPDES
- 9 Permit for the Tunnel
- 10 A permit
- 11

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## 3.0 Obtaining Permits

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### 3.1 General Application Process

#### 14 3.1.1 Project Permit Team

15 In general, permits required for construction will be applied for and obtained by  
16 the project Permit Team. This will ensure consistency in permitting approach  
17 from one phase or section of the project to another. In addition, this will provide  
18 regulatory agencies with a stable point of contact during the multiple years of  
19 construction. Having the Permit Team obtain project permits also provides a  
20 means for ensuring consistent permit conditions to the multiple contractors that  
21 will be working on the project.

22  
23 The Permit Team will also be responsible for management of permitting  
24 activities related to the construction of the Alaskan Way Viaduct/Seawall  
25 Replacement Project. This includes coordination of federal, state and local  
26 permitting agencies with various project teams (i.e., Engineering, Utilities,  
27 Transportation, etc.).

28  
29 Seattle Public Utilities (SPU) will be responsible for permits required to design,  
30 configure and operate the City's drainage system combined sewer overflows  
31 (CSOs). This includes working with Ecology to obtain a new NPDES Municipal  
32 General Stormwater Permit and meeting the requirements of the City's current  
33 NPDES Waste Discharge Permit for the operation of City CSOs. SPU and the  
34 Permit Team will work closely to ensure consistent development and

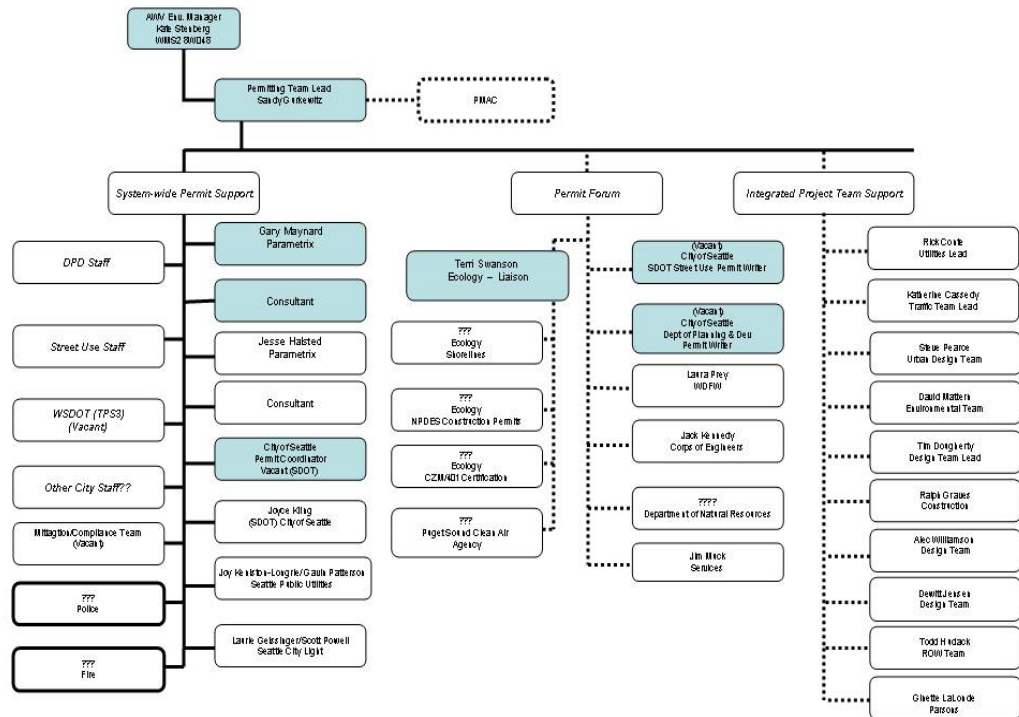
1 implementation of permit conditions for operational and construction NPDES  
2 permits.

3  
4 Seattle City Light will be responsible for applying for and obtaining electrical  
5 transmission outage request approvals.

### 6 3.1.1.1 Project Team Organization

8 Figure 1 shows the proposed project team organization:

Figure 1. Alaska Way Viaduct Environmental Program  
– Permitting Team (DRAFT)



9

### 10 3.1.1.2 Roles and Responsibilities

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### 12 3.1.1.3 Dedicated Staff

13 Regulatory staff, dedicated to the project, is needed to streamline the permit  
14 application and review process. The City of Seattle will be funding dedicated  
15 staff in the Departments of Planning and Development (DPD) and  
16 Transportation (SDOT) Street Use Division to assist with obtaining and ongoing  
17 management of permits. The Washington Department of Transportation

1 (WSDOT) has dedicated staff at the Department of Ecology, Washington  
2 Department of Fish and Wildlife, US Fish and Wildlife Service, National Marine  
3 Fisheries Service, and the Corps of Engineers to assist with permitting and  
4 project review. However, while WSDOT is funding liaison staff at these  
5 agencies, they have largely not been assigned to the project yet. Interagency  
6 agreements will be developed to ensure that dedicated resources are provided  
7 for the project.  
8

### 9 3.1.2 Streamlining Permit Review

10 To facilitate review of project permit applications, a permitting partnership will  
11 be formed. Membership will consist of permit application reviewers from  
12 various regulatory agencies, members of the project Resource Agency  
13 Leadership Forum (RALF), SPU and certain members of the Permit Team. This  
14 forum will begin meeting during early design and plan development beginning  
15 late 2006 and early 2007. The review process will be similar to that employed  
16 by the state MAP Team and City/Sound Transit project team partnerships.  
17

18 To streamline permit review, the forum will:

- 19
- 20 ○ Hold regularly scheduled meetings to ensure ongoing coordination
- 21 ○ Coordinate with RALF on the review of NEPA/SEPA
- 22 ○ Participate in a phased review of project permit applications, which  
23 includes:
  - 24 ○ Reviewing design submittals and plans at increasing levels of  
25 design;
  - 26 ○ Holding pre-submittal conferences;
  - 27 ○ Conducting early review of permit applications, and notifying the  
28 project of the need for changes or additions to the applications  
29 prior to completion of environmental review;
  - 30 ○ Incorporating SEPA/NEPA mitigation measures into permits as  
31 appropriate; and
  - 32 ○ Conducting concurrent review of multiple related or batched  
33 permits issued by the City.
- 34

35 During construction, the forum will continue to meet to keep the permitting  
36 agencies up to date on construction details and potential permit issues.  
37

38 To maintain project schedules, application packets will be submitted prior to the  
39 issuance of the final SEPA or NEPA EIS, after the design concurrence milestone  
40 has been reached. This will allow sufficient review time so that the only  
41 impediment to a permit decision is the issuance of a final SEPA EIS for state and  
42 local permits, and the issuance of a ROD for federal permits. During the review



1 period, permitting agencies will inform the Permit Team of application  
2 deficiencies. The Permit Team will in turn provide additional information  
3 needed to complete the application packet.

4  
5 City and state permits cannot be issued prior to completion of SEPA  
6 environmental review. After the issuance of the FEIS, the project will 'decouple'  
7 the SEPA and NEPA processes. At this point, SEPA will be complete and SEPA  
8 documents will be submitted to permitting agencies. This completes the permit  
9 application. City and state permits can be issued 7 days later. City permits have  
10 a 10-21 days appeal period following issuance. State permits have a 30-day  
11 appeal period following issuance.

12  
13 While the SEPA process will be completed earlier than the NEPA process,  
14 Federal permits cannot be obtained until after the issuance of a NEPA FEIS, and  
15 subsequent issuance of the Record of Decision 90 days later. For smaller FHWA  
16 funded projects, the Corps of Engineers has issued conditional permits effective  
17 after completion of the NEPA process. This avenue will be explored for the  
18 Section 404/Section 10 permits.

19  
20

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### 3.2 Obtaining Specific Permits and Approvals

22 Approximately 30 different types of permits will be required for completion of  
23 the AWVSRP (See Table 1). Different strategies will be employed in obtaining  
24 these permits based on a number of factors including: ease of obtaining permit  
25 through existing permitting process, time for public review and appeals, and  
26 stage of design. The following describes specific strategies for obtaining these  
27 permits.

28  
29

**Table 1 – Summary Permitting Strategies**

PROJECT-WIDE PERMITS		INDIVIDUAL PERMITS			CONTRACTOR PERMITS
One Permit for Life of Project	Master Agreement/Phased or Batched	By Activity	For Facility Operation	By Geographic Area or Site	City/State
<ul style="list-style-type: none"> <li>▪ Section 404/Section 10 permit from the Corps of Engineers</li> <li>▪ Hydraulic permit approval (HPA) from the state Department of Ecology (Ecology)</li> <li>▪ NPDES Construction Stormwater Permit – Individual from Ecology</li> <li>▪ 401 certification from Ecology</li> <li>▪ Coastal Zone Management approval from Ecology</li> <li>▪ Aquatic Land Lease from the Washington Department of Natural Resources</li> <li>▪ Noise Variance from the City of Seattle</li> <li>▪ Stormwater and Drainage Control Review from the City of Seattle</li> </ul>	<ul style="list-style-type: none"> <li>▪ Shoreline Substantial Development Permits - from the City of Seattle</li> <li>▪ Other Master Use Permits (MUP) - from the City of Seattle</li> <li>▪ Street Use or Improvement Permits - From the City of Seattle</li> </ul>	<ul style="list-style-type: none"> <li>▪ NPDES Wastewater Discharge Permit (separate permits for dewatering and CSO work - Two or one large permit?) - issued by the Department of Ecology</li> <li>▪ Grading permit (parcel by parcel more than one for work outside ROW) issued by City of Seattle</li> </ul>	<ul style="list-style-type: none"> <li>▪ NPDES Municipal General Stormwater Permit issued by Ecology</li> <li>▪ NPDES Wastewater Discharge Permit - for CSO Operation issued by Ecology.</li> <li>▪ NPDES Wastewater Discharge Permit - for Tunnel Operation issued by Ecology.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Pioneer Square Preservation Board Approval</li> <li>▪ International Special Review District Approval</li> <li>▪ Pike Place Market Historical Commission Approval</li> <li>▪ Landmark Building Approval</li> <li>▪ Side Sewer Permits - for movement of side sewer</li> <li>▪ Demolition permits (for buildings and structures)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Building permits</li> <li>▪ Electrical permits</li> <li>▪ Mechanical permits</li> <li>▪ Plumbing permits</li> <li>▪ Elevator permits</li> <li>▪ Fire Code Inspections</li> <li>▪ Energy Code Compliance and Approval</li> </ul>

### 3.2.1 Project-Wide Permit Opportunities

Project-wide permits are typically acquired for projects where there are few or no stand-alone components or sections of the project, where the activities subject to the permit can be completed within the timeframe of the permit, where the permit is easily amended or updated, or where there is potential for a lengthy permitting process. For the AWVSRP, there are a number of permits amenable to project-wide permitting. The advantage of this approach is up-front time savings by limiting public review and time for appeals for one versus many permits. The risk, however, may come later in the project. Changed conditions during construction may require permit amendments which may be subject to additional public review and appeal periods. If appealed, stop work orders could be issued until the appeal is resolved.

Two strategies are recommended for obtaining project-wide permits:

- Obtaining single permits issued for the life of the project.
- Obtaining master permit agreements issued for the life of the project, with individual construction permits issued by project phase, geographic area, or individual contract under the master agreement.

The applicability of these two strategies for required permits is described below.

#### ***3.2.1.1 One Permit for the Life of the Project***

It is recommended that the following permits be obtained as a single permit for the life of the project.

- Section 404/Section 10 permit from the Corps of Engineers
- Hydraulic Project Approval (HPA) from the Washington Department of Fish and Wildlife (WDFW)
- NPDES Construction Stormwater Permit - Individual from Ecology
- 401 certification from Ecology
- Coastal Zone Management approval from Ecology
- Aquatic Land Use Authorization from the Washington Department of Natural Resources (WDNR)
- Noise Variance from the City of Seattle
- Stormwater and Drainage Control Review from the City of Seattle

Most of these permits and approvals will be required for either a tunnel or elevated structure alternative. Additional permits and approvals required for an elevated structure are being evaluated.

*[Add in discussion on why these permits would best be obtained via this mechanism. Include pros and cons]*

### **3.2.1.2 Master Agreement with Phased or Batched Construction Permits**

An existing City permitting process for the Central Link Light Rail project (Sound Transit) allows for the review of phased or batched permits via an overarching 'master' agreement. The agreement is found in a 2000 Memorandum of Understanding as well as in City ordinances approved by City Council. The agreement requires concurrent review of permit submittals by the Department of Planning and Development (DPD) and Seattle Department of Transportation (SDOT) and allows the issuance of construction permits by these agencies throughout the life of the project. It is proposed that 'master' permit agreements be developed for the AWVSRP jointly by the Integrated Project Team and City for the following:

- Shoreline Substantial Development Permits – from the City of Seattle
- Other Master Use Permits (MUP) - from the City of Seattle
- Street Use or Improvement Permits – From the City of Seattle

Other permits amenable to this process are being evaluated.

*[Add in discussion on why these permits would best be obtained via this mechanism. Include pros and cons]*

### **3.2.2 Individual Permits for Certain Activities, Facility Operation or Work within Certain Geographic Areas**

As much as possible, the project Permit Team will work with regulatory agencies to streamline permitting through the incorporation of all aspects of the project into single project permits. However, in many cases this will not be possible due to differing procedural and regulatory requirements for various permits. The following are individual permits and approvals required for differing activities, operations, work within geographic areas, or work on specific sites.

#### **3.2.2.1 Permits for Certain Activities**

- NPDES Wastewater Discharge Permit (for dewatering to Puget Sound) – issued by the Department of Ecology (May be covered by the NPDES Construction General Stormwater Permit)
- Grading permit (parcel by parcel, more than one for work outside ROW) issued by City of Seattle (DPD).

### ***3.2.2.2 Permits for Facility Operation***

- NPDES Municipal General Stormwater Permit issued by Ecology
- NPDES Wastewater Discharge Permit – for CSO Operation issued by Ecology.
- NPDES Wastewater Discharge Permit – for Tunnel Operation issued by Ecology.

### ***3.2.2.3 Permits for Geographic Areas or Sites***

- Pioneer Square Preservation Board Approval
- International Special Review District Approval
- Pike Place Market Historical Commission Approval
- Landmark Building Approval
- Side Sewer Permits – for movement of side sewer
- Demolition permits (for buildings and structures)

For certain permits such as City of Seattle grading and demolition permits, it is recommended to ‘batch’ process individual permit applications within geographic areas.

### **3.2.3 Permits Obtained By The Contractor**

There are number of environmental permits that are typically obtained by contractors (Table X). The Permit Team will work closely with contractors to ensure permit conditions are consistent with permits previously issued and that permits are obtained in a timely manner.

Additional contractor permit requirements are being evaluated, as is a check-in point by the Permit Team for permits obtained by the contractor.

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## **3.3 Developing Permit Conditions**

3.3.1 NEPA/SEPA Commitments and Mitigation Plans (Incorporating Mitigation Measures Developed During NEPA/SEPA Environmental Review into Permits)

3.3.2 Design Commitments

[TBD]

### 3.3.3 Standard Permit Conditions

### 3.3.4 Best Management Practices

[TBD]

### 3.3.5 Performance Standards

[TBD]

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## 3.4 Permitting Through the Life of the Project

### 3.4.1 Process for Managing Change

Because of the long timeframes involved in the project and the complex nature of the project, it will be necessary to create a process for managing change. It is particularly vital to have a plan in place with the design team and permitting authorities so that changes made during the permit process do not unduly delay permit approval. In addition, it is important to have a process for managing change during construction. It is recommended that a change management plan be developed to account for changes in project design, regulations, and project conditions.

### 3.4.2 Permit Renewals

Many permits that are being applied for have a regulatory timeframe. Others do not. Permit timeframes have received a preliminary review by the Permit Team and are being more fully investigated – to identify permits that could be issued with longer than typical timeframes. Vesting regulations are also being reviewed to determine how best to assure that all phases of the project, which will be under construction for many years, can be assured to be constructed as planned and conditioned.

### 3.4.3 Contaminated

Materials/Spills/Remediation  
during Construction

The process of hazardous materials discovery, investigation, and reporting at WSDOT and SDOT sites begins during the initial planning and design phases of a

project. This process has been followed during the development of the draft and supplemental EIS documents. However, it is not uncommon to discover hazardous materials during construction including suspected or confirmed contamination identified during the initial site investigation process as well as unknown or unanticipated contamination and leaking underground storage tanks (USTs). To account for this, construction documents and contracts will include standard specifications for remediation and UST decommissioning, which include procedures for notifying the Department of Ecology. Notification to Ecology is required when contamination is discovered. A reporting process will be developed for reporting the discovery of spills or releases.

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### **3.5 Other Environmental Work**

#### 3.5.1 Early Actions

There are a number of recommended independent actions that may precede major construction of the AWVSRP. These actions include: investigatory work in the ROW, emergency repair work, building demolitions, site preparation and electric utility relocations. These actions will require a suite of permits and possibly independent review under the SEPA. The project Permit Team will be responsible for obtaining these permits and approvals.

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### **3.6 Other Agreements**

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## **4.0 Tracking Mitigation Commitments**

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### **4.1 NEPA/SEPA and Permit Mitigation/Commitments**

#### 4.1.1 Incorporating Commitments and Mitigation Plans into Contract Documents

#### 4.1.2 Monitoring Roles and Responsibilities

#### 4.1.3 Reporting Information

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#### 4.2 As-Builts

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### 5.0 Permit Close Out

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## 6.0 Formal Agency Coordination

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### 6.1 Permit Team Coordination

#### 6.1.1 Working Relationships

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### 6.2 Communication Protocol

#### 6.2.1 Internal Permit Team Communication

#### 6.2.2 Permit Team Interface with Regulatory Agencies

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### 6.3 Documentation

#### 6.3.1 Documentation of Interactions Between Permit Team and Permitting Authorities

#### 6.3.2 Critical Decisions/Agreements/Reasons Decisions Were Made

#### 6.3.3 How and where will project files be maintained and who will maintain them?



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## 6.4 Agreements

### 6.4.1 Roles and Responsibilities of Permit Team Members and Permit Review Processes

#### City of Seattle

- SDOT/DPD Coordination Agreements

#### State of Washington

- Franchise Permits (construction, long-term modification or operation within interstate ROW)
- Ownership Agreements
- Maintenance Agreements
- Easements
- Street Vacations

#### Project Agreements

- Permit Agency Liaisons

#### Expedited Permit Review Agreements

#### *6.4.1.1 DPD/SDOT Process Agreements*

#### *6.4.1.2 City/WSDOT Agreements for Permits*

#### *6.4.1.3 City's Permit Agreements/Master Permits*

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## 7.0 Coordination During Construction

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### 7.1 Coordination with Resident Engineer

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### 7.2 Contractor Coordination

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### 7.3 Coordination with Environmental Team

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## **8.0 Schedule**

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### **8.1 Overall Project Schedule**

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### **8.2 Schedule for Permitting by Project Section/Stage**

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### **8.3 Schedule for Permitting by Geographic Area**

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### **8.4 Schedule for Permitting by Triggering Activity**

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### **8.5 Early Utility Work Schedule**

**Appendix A**  
**Environmental Permits and Approvals Guide**

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**Appendix B**  
**Permit Application and Submittal Process**

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