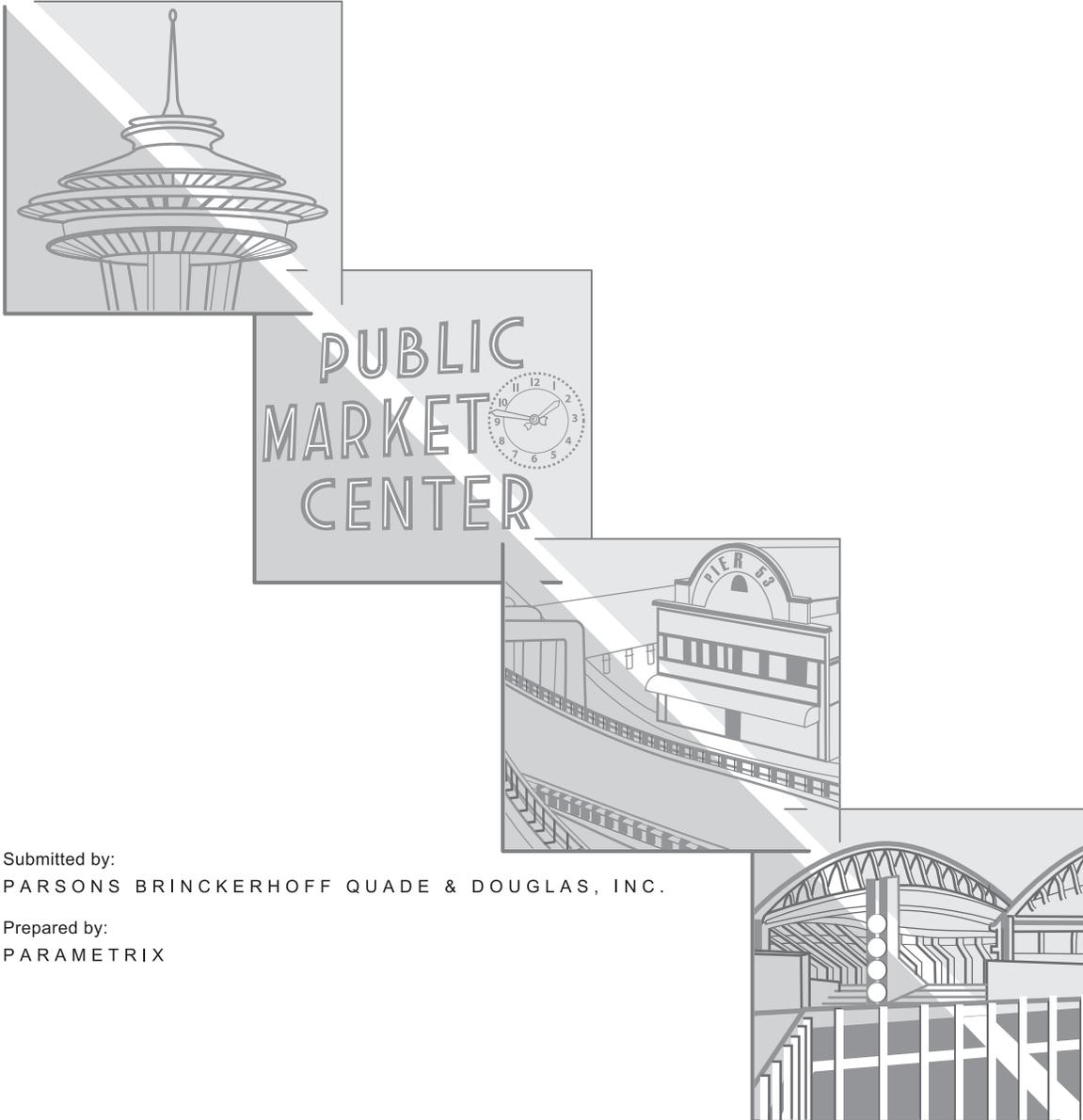


SR 99: ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT

Supplemental Draft Environmental Impact Statement

APPENDIX Y

Supplemental Draft EIS Annotated Outline



Submitted by:
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JULY 2006

SR 99: ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT
Supplemental Draft EIS
Annotated Outline
AGREEMENT No. Y-7888
FHWA-WA-EIS-04-01-DS

Submitted to:

Washington State Department of Transportation

Alaskan Way Viaduct and Seawall Replacement Project Office
999 Third Avenue, Suite 2424
Seattle, WA 98104

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

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In association with:

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Entech Northwest
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Mimi Sheridan, AICP
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Power Engineers, Inc.
Preston Gates & Ellis LLP
ROMA Design Group
RoseWater Engineering, Inc.
Shannon & Wilson, Inc.
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SR 99: ALASKAN WAY VIADUCT & SEAWALL REPLACEMENT PROJECT

Introduction and Purpose of this Appendix

This appendix is a guide for people interested in correlating how the substantive requirements of federal, state, and local environmental regulations have been met by the information contained in the main body of the Supplemental Draft Environmental Impact Statement (EIS). This appendix is an outline of the Supplemental Draft EIS. It contains references to the federal, state, and local regulations that dictate the content of an EIS. The references are not all-inclusive of the governing regulations, but it includes primary references. The regulations referenced include the:

- National Environmental Policy Act (NEPA)
- Washington State Environmental Policy Act (SEPA)
- Seattle Municipal Code (SMC)
- Federal Highway Administration (FHWA)

The information referenced includes federal regulations described in the Code of Federal Regulations (CFR). References to state regulations are described in the Washington Administrative Code (WAC). References to City of Seattle regulations are contained in the Seattle Municipal Code (SMC).

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Cover Sheet (includes abstract)

Cover sheet required by NEPA, 40 CFR 1502.11.

Fact Sheet (includes required permits and licenses)

Required by SEPA, WAC 197-11-440(2) and SMC 25.05.440(A).

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as required by
NEPA, 40 CFR
1502.10(c); SEPA,
WAC 197-11-440(3);
and SMC
25.05.440(B).

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Chapter 1 INTRODUCTION

1 Why was the Alaskan Way Viaduct and Seawall Replacement Project initiated?

2 Why do we need this project?

3 Who is leading this project?

4 Where is the project located?

Describe the location of the project as required by 23 CFR 771.111(f)(1); SEPA, WAC 197-11-440(5)(c)(ii); and SMC 25.05.443(D)(3)(b).

5 What is the purpose of the Supplemental Draft EIS?

This question explains why a Supplemental Draft EIS is being prepared in accordance with NEPA, 40 CFR 1502.9(c); SEPA, 197-11-405(4); and SMC 25.05.405(D).

Changes Made to Construction Plans

Changes Common to Both Alternatives

Changes Made to the Tunnel Alternative

Changes Made to the Elevated Structure Alternative

Purpose and Need
will briefly be stated here. The entire purpose and need statement will be included at the back of the document.
Purpose and need is required by NEPA, 40 CFR 1502.13; SEPA, WAC 197-11-440(4); and SMC 25.05.440(C).

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Chapter 2 PROJECT UPDATE

1 What alternatives have been eliminated since the Draft EIS was published?

NEPA, 40 CFR 1502.14(a); SEPA, WAC 197-11-440(5)(b)(i); and SMC 25.05.440(D)(2)(a).

Rebuild and Aerial Alternatives Combined

Reasons the Bypass Tunnel Alternative Was Eliminated

Reasons the Surface Alternative Was Eliminated

2 What other things have changed since the Draft EIS was published?

Project Purpose and Need

Preferred Alternative Identified

NEPA, 40 CFR 1502.14(e); SEPA, WAC 197-11-440(5)(a); and SMC 25.05.440(D)(1).

New Legislation

Project Received Funding

Monorail

Railroads Convey that the Whatcom Railyard Cannot Be Closed During Construction

3 What have we heard from the public since the Draft EIS was published?

This question includes the discussion about alternatives considered but rejected as required by NEPA, 40 CFR 1502.14(a); SEPA, WAC 197-11-440(5); and SMC 25.05.440(D).

Can the viaduct be torn down and replaced with a four-lane surface roadway?

Can we fix the viaduct, or does it really need to be replaced?

What would happen if we built the tunnel under a different city street such as Western Avenue?

Alternatives Considered

discussion is required by NEPA, 40 CFR 1502.15; SEPA, WAC 197-11-440(6); and SMC 25.05.440(E).

What would happen if we replace the viaduct with a single-level aerial structure along Alaskan Way?

What would happen if we replaced the viaduct with a bridge across Elliott Bay?

4 What opportunities have we provided for people to be engaged in the project?

This section describes how the public has been engaged in the project as required by NEPA, 40 CFR 1506.60; SEPA, WAC 197-11-555; and SMC 75.05.535.

How have we been engaging businesses and residents located adjacent to the project?

How have we been engaging low-income people and social service providers?

How have we been coordinating with agencies?

How have we been coordinating with tribes since the Draft EIS?

Chapter 3 SUMMARY

This chapter is required by NEPA, 40 CFR 1502.12; SEPA, WAC 197-11-440(4); and SMC 25.05.440(C). This chapter summarizes information from other chapters as required by the regulations.

- 1 What alternatives are evaluated in the Supplemental Draft EIS?
- 2 How would the Tunnel Alternative replace SR 99 and the viaduct?
- 3 How would the Elevated Structure Alternative replace SR 99 and the viaduct?
- 4 How would the seawall be replaced?
- 5 How much would it cost to build the project?
- 6 What are the permanent transportation effects of the alternatives?
- 7 What are the other permanent effects of the alternatives?
- 8 How could permanent effects be mitigated?
- 9 What construction plans are evaluated in the Supplemental Draft EIS?
- 10 How are the construction plans evaluated in the Supplemental Draft EIS?
- 11 How would traffic on SR 99 and Alaskan Way be restricted during construction?
- 12 What other routes could drivers use during construction?
- 13 How long would construction affect drivers on SR 99?

- 14 How would construction affect other trips?
- 15 How would construction affect traffic and congestion on other routes?
- 16 What would we do to keep people and traffic moving during construction?
- 17 What are the temporary construction effects of building the alternatives?
- 18 How could temporary construction effects be mitigated?
- 19 What other design choices are being considered?
- 20 What are the tradeoffs between design choices?
- 21 How would the construction of the viaduct and seawall and other downtown construction projects affect Seattle and surrounding areas?
- 22 What adverse effects of the project would not be mitigated?

Adverse impacts that cannot be avoided are required by SEPA, WAC 197-11-440(4) and SMC 25.05.440(C).
- 23 What issues are controversial?

Areas of controversy are required by NEPA, 40 CFR 1502.12; SEPA, WAC 197-11-440(4); and SMC 25.05.440(C).
- 24 What issues remain to be resolved?

Unresolved issues are required by NEPA, 40 CFR 1502.12; SEPA, WAC 197-11-440(4); and SMC 25.05.440(C).
- 25 What are the next steps?

Phases and timing of the proposal and future environmental review are required by SEPA, WAC 197-11-440(5)(iii) and SMC 25.05.440(D)(3)(c).

Chapter 4 THE ALTERNATIVES

This chapter describes changes to the proposal that require a supplemental document and meets the requirements of NEPA, 40 CFR 1507.9(c); SEPA, WAC 197-11-600(4)(d); and SMC 75.05.600(D)(4).

- 1 What alternatives are evaluated in this document?
- 2 How would the Tunnel Alternative replace SR 99 and the viaduct?
- 3 What other design choices are being considered for the Tunnel Alternative?
- 4 How would the Elevated Structure Alternative replace SR 99 and the viaduct?
- 5 What other design choices are being considered for the Elevated Structure Alternative?
- 6 How would the seawall be replaced?

Alternatives Considered
discussion is required by NEPA, 40 CFR 1502.15; SEPA, WAC 197-11-440(6); and SMC 25.05.440(E).

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Chapter 5 PROJECT EFFECTS

1 How would the alternatives change conditions for vehicles, bicyclists, and pedestrians?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(2)(c)(v); and SMC 25.05.444(B)(3)(e).

2 How would the alternatives affect traffic?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(2)(c)(ii); and SMC 25.05.444(B)(3).

3 Would noise levels increase?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(2)(a)(i); and SMC 25.05.444(B)(1)(a).

4 How would views be affected?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(2)(b)(iii), WAC 197-11-444 (2)(b)(iv), and WAC 197-444-(1)(e)(v); and SMC 25.05.444(B)(2)(c), 25.05.444(B)(2)(d), and 25.05.444(A)(5)(e).

5 How would land use be affected?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(2)(b); and SMC 25.05.444(B)(2).

6 How would parks, recreation, and open space be affected?

Required by NEPA, 40 CFR 1502.16 and 23 CFR 771.135; SEPA, WAC 197-11-444(2)(d)(iv); and SMC 25.05.444(B)(4)(d).

7 How would neighborhoods be affected?

Required by NEPA, 40 CFR 1502.16 and NEPA Executive Order 12898; SEPA, WAC 197-11-444(2)(b); and SMC 25.05.444(B)(2).

Existing Conditions

Updates to existing conditions information as required by NEPA 40 CFR 1502.15, SEPA WAC 197-11-440(b), and SMC 25.05.440(E) are provided in sidebars throughout Chapter 5 of the Supplemental Draft EIS.

Operational Impacts and Mitigation

for both direct and indirect effects are discussed for the Tunnel and Elevated Structure Alternatives in this chapter.

Affected Environment

discussion is required by NEPA, 40 CFR 1502.15; SEPA, WAC 197-11-440(6); and SMC 25.05.440(E). The affected environment is described in Chapter 3 of the Draft EIS and updated as applicable in sidebars in Chapter 5 of the Supplemental Draft EIS.

8 How would community and social services be affected?

Required by NEPA, 40 CFR 1502.16 and NEPA Executive Order 12898; SEPA, WAC 197-11-444(2)(b); and SMC 25.05.444(B)(2).

9 How would low-income populations be affected?

Required by Executive Order 17898.

10 How would the alternatives affect properties located in the area?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(2)(b); and SMC 25.05.444(B)(2).

11 How would historic properties be affected?

Required by NEPA, 40 CFR 1502.16 and 23 CFR 771.135; SEPA, WAC 197-11-444(2)(b)(vi); and SMC 25.05.444(B)(2)(f).

12 How would the local and regional economy be affected?

Required by NEPA, 40 CFR 1502.16 and SMC 25.05.440(E)(6)(a).

13 How would public services (such as police and fire) and utilities be affected?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(2)(d)(i) and WAC, 197-11-444 (2)(d)(ii); and SMC 25.05.444(B)(4)(a) and 25.05.444(B)(4)(b).

14 How would air quality be affected?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(1)(b)(i); and SMC 25.05.444(A)(2)(a).

15 How would fish and aquatic habitat be affected?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(1)(d); and SMC 25.05.444(A)(4).

16 How would water resources be affected?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(1)(c); and SMC 25.05.444(A)(3).

17 How would soil conditions change once the project is built?

Required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-444(1)(a); and SMC 25.05.444(A)(1).

18 How would we develop mitigation plans for the project, and what types of mitigation measures could be utilized?

A description of mitigation is required by NEPA, 40 CFR 1502.14(f); SEPA, WAC 197-11-440(6)(b)(iii); and SMC 25.05.440(E)(1).

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Chapter 6 CONSTRUCTION

This chapter describes changes to the proposal that require a supplemental document and meets the requirements of NEPA, 40 CFR 1507.9(c); SEPA, WAC 197-11-600(4)(d); and SMC 75.05.600(D)(4).

- 1 What construction plans are evaluated in this document?
- 2 How are the construction plans evaluated in this document?
- 3 How were the construction durations for the project developed?
- 4 How would construction activities be sequenced?
- 5 How would the project be built in the south section?
- 6 How would the project be built in the central section?
- 7 How would the project be built in the north section?

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Chapter 7 CONSTRUCTION EFFECTS

- 1 How would traffic on SR 99 and Alaskan Way be restricted during construction?
- 2 How would construction affect roadway capacity on SR 99?
- 3 What other routes could drivers use during construction?
- 4 How long would construction affect drivers on SR 99?
- 5 How would construction affect other trips?
- 6 How would construction affect traffic and congestion on other routes?
- 7 What would we do to keep people and traffic moving during construction?
- 8 How would noise during construction affect the surrounding area?
- 9 Would vibration during construction affect surrounding areas?
- 10 How would views be affected during construction?
- 11 How would parks, recreation, and open space be affected during construction?
- 12 How would neighborhoods be affected during construction?
- 13 How would community and social services be affected during construction?

Construction Impacts and Mitigation
for both direct and indirect effects are discussed in this chapter as required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-440(6); and SMC 25.05.440(E). Documentation for specific elements of the environment is required by SEPA, WAC 197-11-444 and SMC 25.05.444.

- 14 How would low-income populations be affected during construction?
- 15 How would historic properties be affected during construction?
- 16 How would the local and regional economy be affected during construction?
- 17 How would public services and utilities be affected during construction?
- 18 How would air quality be affected during construction?
- 19 How would fish and aquatic habitat be affected during construction?
- 20 How would water resources be affected during construction?
- 21 How would soil and contaminated materials be affected during construction?
- 22 Would construction affect archaeological resources?
- 23 How would we develop construction mitigation plans for the project?
- 24 What types of mitigation measures could be utilized to minimize construction effects?

Chapter 8 OTHER THINGS TO CONSIDER

1 What are cumulative effects, and why do we study them?

Required by NEPA, 40 CFR 1508.7 and 1502.16; SEPA, WAC 197-11-060(4)(e); and SMC 25.05.060(D)(5).

2 What are possible cumulative effects?

3 What other projects are underway or planned in Seattle?

Required by NEPA, 40 CFR 1508.7 and 1502.16; SEPA, WAC 197-11-060(4)(e); and SMC 25.05.060(D)(5).

4 What are indirect effects and does the project have any?

Required by NEPA, 40 CFR 1502.16(b); SEPA, WAC 197-11-060(4)(d); and SMC 25.05.060(D)(4 and 5). In this Supplemental Draft EIS, indirect effects are defined in this chapter and question, but their potential effects and mitigation are discussed in Chapters 4 through 6 as part of the overall effects analysis. This approach is supported by NEPA, 40 CFR 1502.16 and 40 CFR 1508.8.

5 What irreversible decisions or irretrievable resources would be committed to building the project?

A discussion about irreversible decisions or irretrievable resources is required by NEPA, 40 CFR 1502.16; SEPA, WAC 197-11-440(6)(d)(iii); and SMC 25.05.440(E)(4)(c).

In addition, the subject of energy is summarized here and discussed in detail in an attached appendix as required by NEPA, 40 CFR 1502.16(e); SEPA, WAC 197-11-440(d)(ii); and SMC 25.05.440(E)(4)(b).

Energy is specifically discussed here as required by NEPA, SEPA, and the SMC.

6 What are the tradeoffs between short-term uses of environmental resources and long-term gains (or productivity) from the project?

A discussion about short-term uses and long-term gains is required by NEPA 40 CFR 1502.16.

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Acronyms

Index

An Index is required by NEPA, 40 CFR 1502.10(j).

References

References are required by NEPA, 40 CFR 1502.21; SEPA, WAC 197-11-425(6); and SMC 25.05.425(F).

List of Preparers

A List of Preparers is required by NEPA, 40 CFR 1502.17.

List of Appendices

Information as required by NEPA, 40 CFR 1502.18; SEPA, WAC 197-11-430(g); and SMC 25.05.430(B)(7).

The appendices include a discussion of methodology as required by NEPA, 40 CFR 1502.24.

Distribution List

List of copies sent to agencies as required by NEPA, 40 CFR 1502.10(i); SEPA, WAC 197-11-430(f); and SMC 25.05.430(B)(6).

Purpose and Need Statement

Purpose and need is required by NEPA, 40 CFR 1502.13; SEPA, WAC 197-11-440(4); and SMC 25.05.440(c).

Comment Form

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