

Elliott Bay  **Seawall**  
Project

# Final Environmental Impact Statement

March 2013



City of Seattle  
Department of Transportation  
700 Fifth Avenue, Suite 3900  
Seattle, WA 98124



# Elliott Bay Seawall Project Final Environmental Impact Statement

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Appendix F     Cultural, Historic, and Archaeological Resources Discipline Report **(updated)**

Appendix G     Air Quality Discipline Report

Appendix H     Energy Resources Discipline Report

Appendix I     Land Use, Shorelines, and Parks and Recreation Discipline Report

Appendix J     Public Services and Utilities Discipline Report

Appendix K     Visual Quality Assessment

Appendix L     Fish, Wildlife, and Vegetation Discipline Report

Appendix M     Water Resources Discipline Report

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## ACRONYMS AND ABBREVIATIONS

ACTT	Advisory Committee on Tolling and Traffic Management
ADA	Americans with Disabilities Act
AM	morning (with reference to peak-hour traffic)
APE	Area of Potential Effects
AWV	Alaskan Way Viaduct
AWVRP	Alaskan Way Viaduct Replacement Project
B&O	business and occupation
bgs	below the ground surface
BMP	best management practice
BNSF	BNSF Railway
BP	before present
Caltrans	California Department of Transportation
CFR	Code of Federal Regulations
City	City of Seattle
CO <sub>2</sub> e	carbon dioxide equivalents
COC	chemical of concern
CSECP	Construction Stormwater and Erosion Control Plan
CSL	cleanup screening level
CSO	combined sewer overflow
DAHP	Department of Archaeology and Historic Preservation
dB	decibel
dBA	A-weighted decibel
dB <sub>RMS</sub>	decibel root mean squared
DNR	Washington State Department of Natural Resources
EBSP	Elliott Bay Seawall Project
Ecology	Washington State Department of Ecology
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
FHWA	Federal Highway Administration
FTE	full-time equivalent
GHG	greenhouse gas
IMPLAN	Impact Analysis for PLANning
LED	light-emitting diode
LOS	level of service
LPS	light-penetrating surface
Metro	King County Metro
Mg	metric tons
MLLW	mean lower low water
MMBTU	million British thermal units
MTCA	Model Toxics Control Act
NAVD 88	North American Vertical Datum of 1988
NEPA	National Environmental Policy Act
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NRDA	Natural Resource Damage Assessment

NRHP	National Register of Historic Places
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PM	afternoon (with reference to peak-hour traffic)
PM10	inhalable particulate matter (diameter less than or equal to 10 micrometers)
PM2.5	fine particulate matter (diameter less than or equal to 2.5 micrometers)
PPV	peak particle velocity
RCW	Revised Code of Washington
RFFA	reasonably foreseeable future action
RSJI	Race and Social Justice Initiative
SDOT	Seattle Department of Transportation
SEPA	State Environmental Policy Act
SMC	Seattle Municipal Code
SMS	Washington State Sediment Management Standards
SODO	South of Downtown
SQS	Sediment Quality Standards
SQS criteria	Sediment Quality Standards chemical screening criteria
SR	State Route
SWPPP	Stormwater Pollution Prevention Plan
TMDL	total maximum daily load
USACE	U.S. Army Corps of Engineers
USC	United States Code
USFWS	U.S. Fish and Wildlife Service
VISSIM	Visual Simulation Model
WAC	Washington Administrative Code
WB	wheelbase
WDFW	Washington Department of Fish and Wildlife
WDNR	Washington Department of Natural Resources
WSDOT	Washington State Department of Transportation
WSF	Washington State Ferries

# Elliott Bay Seawall Project

## Final Environmental Impact Statement

### FACT SHEET

**Project Name:** Elliott Bay Seawall Project

**Project Description:**

The Elliott Bay Seawall Project proposes to reconstruct or replace the Elliott Bay Seawall between S. Washington Street and Broad Street in downtown Seattle. The new seawall would be designed to reduce the risks of coastal storm and seismic damages and to protect public safety, critical infrastructure, and associated economic activities along Seattle's downtown waterfront. Additionally, the project would improve the degraded ecosystem functions and processes of the Elliott Bay nearshore in the vicinity of the existing seawall. The seawall has been damaged by tidal and storm activity, as well as seismic events, including the 2001 Nisqually earthquake.

**Proponent:**

City of Seattle Department of Transportation  
700 Fifth Avenue, Suite 3900  
P. O. Box 34996  
Seattle, WA 98124-4996

**SEPA Lead Agency and Responsible Official:**

City of Seattle Department of Transportation  
Peter Hahn, Director

**Date of Issue of Draft Environmental Impact Statement:**

November 13, 2012

**End of Comment Period for Draft Environmental Impact Statement:**

December 13, 2012

**Public Open House:**

A public open house to provide project-related information and receive comments from the public and interested parties on the Draft Environmental Impact Statement (EIS) was held on December 5, 2012, from 4:00 to 7:00 p.m. at Bell Harbor Conference Center's Maritime Events Center, 2211 Alaskan Way, Seattle. A court reporter was available to record oral testimony.

**Date of Issue of Final Environmental Impact Statement:**

March 14, 2013

### Document Availability:

The Draft EIS and Final EIS are available online at <http://www.seattle.gov/transportation/seawall.htm>.

Printed copies of the Draft EIS and Final EIS and related appendices are available at the downtown Seattle Public Library, all Seattle branch libraries, and City Neighborhood Service Centers. Printed copies are also available for purchase by emailing [seawallDEIS@seattle.gov](mailto:seawallDEIS@seattle.gov) or calling 206-618-8584.

Printed copies of the Executive Summary and compact discs (CDs) of the full document (including the Draft EIS and all technical appendices) are available at no cost. Prices for printed volumes are the following:

- Draft Environmental Impact Statement \$50.00
- Final Environmental Impact Statement \$25.00
- Technical Appendices \$25.00

### Permits, Approvals, and Consultations:

- Aquatic Lands Use Approval (Washington State Department of Natural Resources)
- Clean Water Act Section 401 Water Quality Certification (Washington State Department of Ecology)
- Clean Water Act Section 402 National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit (Washington State Department of Ecology)
- Clean Water Act Section 404 (U.S. Army Corps of Engineers)
- Coastal Zone Management Act Federal Consistency Determination (Washington State Department of Ecology)
- Endangered Species Act Section 7 Consultation (National Oceanic and Atmospheric Administration, National Marine Fisheries Service [NOAA Fisheries]; and U. S. Fish and Wildlife Service)
- Hydraulic Project Approval (Washington State Department of Fish and Wildlife)
- Industrial Wastewater Discharge Permit or Authorization (King County)
- Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation (NOAA Fisheries)
- Noise Variance (City of Seattle)
- Marine Mammal Protection Act Incidental Harassment Authorization or Letter of Authorization (NOAA Fisheries)
- National Historic Preservation Act Section 106 Consultation (U.S. Army Corps of Engineers in coordination with Washington State Department of Archaeology and Historic Preservation)
- Pioneer Square Historic District Approval (City of Seattle)
- Shoreline Substantial Development Permit (City of Seattle)
- U.S. Rivers and Harbors Act Section 10 (U.S. Army Corps of Engineers)

### Authors and Principal Contributors:

The List of Preparers is provided in Chapter 10 of the Final EIS.



**Subsequent Environmental Review:**

This EIS discusses several alternatives including the preferred alternative. Assuming no substantive change in the project description that would result in an adverse effect beyond those disclosed in the EIS, no further environmental documentation related to the State Environmental Policy Act is expected to be required at this time.

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**Civil Rights Act of 1964, Title VI Statement to the Public**

The City of Seattle Department of Transportation hereby gives public notice that it is the policy of the department to assure full compliance with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, and related statutes and regulations in all programs and activities. Title VI requires that no person in the United States of America shall, on the grounds of race, color, sex, nation origin, disability, or age, be excluded from the participation in, be denied benefits of, or be otherwise subjected to discrimination under any program or activity for which the department receives federal financial assistance. Persons wishing information may call the City of Seattle Office of Civil Rights at (206) 684-4500.

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