



Juneau Access Improvements Project Draft Supplemental Environmental Impact Statement

Prepared by:

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**Federal Project Number: STP-000S(131)
State Project Number: 71100**

Prepared for:

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FHWA will issue a single Final Environmental Impact Statement and Record of Decision document pursuant to Pub. L. 112-141, 126 Stat. 405, Section 1319(b) unless FHWA determines statutory criteria or practicability considerations preclude issuance of the combined document pursuant to Section 1319.

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Juneau Access Improvements Project
Juneau, Alaska
City and Borough of Juneau

Draft Supplemental Environmental Impact Statement

Submitted Pursuant to 42 U.S. C. 4332 (2) (c)
by the
U.S. Department of Transportation
Federal Highway Administration
and
State of Alaska
Department of Transportation and Public Facilities
STATE PROJECT NUMBER: 71100
FEDERAL PROJECT NUMBER: STP-000S (131)

This action complies with Executive Order 11988, Floodplain Management; Executive Order 11990, Protection of Wetlands; Executive Order 13188, Responsibilities of Federal Agencies to Protect Migratory Birds; Executive Order 13112, Invasive Species; Executive Order 13175, Consultation and Coordination with Indian Tribal Governments; Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations; and Executive Order 13186, Improving Access to Services for Persons with Limited English Proficiency.

Cooperating Agencies

U.S. Army Corps of Engineers
U.S. Environmental Protection Agency
U.S. Forest Service
U.S. Coast Guard

8/21/14

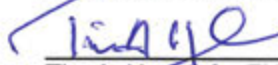
Date of Recommendation

8/21/14

Date of Approval



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The Juneau Access Improvements Project would improve public access to and from Juneau in Lynn Canal. Seven build alternatives are evaluated, along with the No Action Alternative. Alternatives include a combination of highway and ferry routes and improved ferry service in Lynn Canal. This Draft Supplemental Environmental Impact Statement (SEIS) describes the purpose and need for improved access, alternatives evaluated in detail and alternatives eliminated from detailed consideration, the potential environmental and human effects of the project alternatives, and proposed measure to minimize and avoid impacts. The Draft SEIS examines potential direct, indirect, and cumulative impacts associated with each alternative and identifies Alternative 2B, the East Lynn Canal Highway, as the Preferred Alternative. FHWA will issue a single Final SEIS and Record of Decision document pursuant to Pub. L. 112-141, 126 Stat. 405, Section 1319(b) unless FHWA determines statutory criteria or practicability considerations preclude issuance of the combined document pursuant to Section 1319. Comments on this Draft SEIS are due by November 10, 2014, and should be sent to:

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List of Acronyms and Abbreviations

-A-

AAAQS	Alaska Ambient Air Quality Standards
AAC	Alaska Administrative Code
AASHTO	American Association of State Highway and Transportation Officials
ACF	Alaska Class Ferry
ACMP	Alaska Coastal Management Program
ADEC	Alaska Department of Environmental Conservation
ADF&G	Alaska Department of Fish and Game
ADNR	Alaska Department of Natural Resources
ADOLWD	Alaska Department of Labor and Workforce Development
ADT	Average Daily Traffic
AHI	Avalanche Hazard Index
AIDEA	Alaska Industrial Development and Export Authority
AMHS	Alaska Marine Highway System
AML	Alaska Marine Lines
ANCSA	Alaska Native Claims Settlement Act
ANHP	Alaska Natural Heritage Program
ANILCA	Alaska National Interest Lands Conservation Act
AP&T	Alaska Power & Telephone
APDES	Alaska Pollutant Discharge Elimination System
APE	Area of Potential Effect
AS	Alaska Statute
AVSP	Alaska Visitors Statistics Program
AWQS	ADEC Water Quality Standards

-B-

BA	Biological Assessment
BBHMD	Berners Bay Historic Mining District
B.C.	British Columbia
BF	Board Feet
BGEPA	Bald and Golden Eagle Protection Act
BMP	Best Management Practice

-C-

CBJ	City and Borough of Juneau
CDP	Census Designated Place
CEQ	Council on Environmental Quality
CFEC	Commercial Fisheries Entry Commission
CFR	Code of Federal Regulations
CH ₄	Methane
CLIA	Cruise Lines International Association
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ E	CO ₂ equivalents

-D-

dB	Decibels
dBA	A-Weighted decibels
DOT&PF	Alaska Department of Transportation and Public Facilities
DPS	Distinct Population Segment

-E-

EFH	Essential Fish Habitat
EIA	Energy Information Administration
EIS	Environmental Impact Statement
EMS	Emergency Medical Services
EO	Executive Order
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Endangered Species Act

-F-

FC	Fecal Coliform
FCRPA	Federal Cave Resources Protection Act
FEIS	Final Environmental Impact Statement
FERC	Federal Energy Regulatory Commission
FHWA	Federal Highway Administration
FR	Federal Register
FVF	Fast Vehicle Ferry

-G-

g	Gravity
GF	State of Alaska General Fund
GHG	Greenhouse Gas
Goldbelt	Goldbelt, Inc.
GPS	Global Positioning System

-H-

HCI	Habitat Capability Index
HOV	High-Occupancy Vehicle

-I-

ILF	In-Lieu Fee
ips	Inches Per Second
IRA	Inventoried Roadless Area
ISA	Initial Site Assessment

-J-

JAI	Juneau Access Improvements
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-L-

L _{eq}	Equivalent Sound Level
LOC	Letter of Concurrence
LUD	Land Use Designation
LUST	Leaking Underground Storage Tank

-M-

M&O	Maintenance and Operations
M/V	Motor Vessel
MAP-21	Moving Ahead for Progress in the 21 st Century Act
MBTA	Migratory Bird Treaty Act
MIS	Management Indicator Species
MMBF	Million Board Feet
MMPA	Marine Mammal Protection Act
MMT	Million Metric Tons
MOA	Municipality of Anchorage
MOVES	Motor Vehicle Emissions Simulator
MSL	Mean Sea Level
MTCO ₂ e	Metric Tons of CO ₂ Equivalent
µg/m ³	Micrograms Per Cubic Meter

-N-

NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NEPA	National Environmental Policy Act
NHL	National Historic Landmark
NHP	National Historical Park
NHPP	National Highway Performance Program
NHS	National Highway System
NHTSA	National Highway Traffic Safety Administration
NMFS	National Marine Fisheries Service
NO ₂	Nitrogen Dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOx	Nitrogen Oxides
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRHP	National Register of Historic Places
NTSB	National Transportation Safety Board
NWCA	NorthWest CruiseShip Association
NWI	National Wetlands Inventory

-O-

O ₃	Ozone
OGR	Old-Growth Reserve
OHMP	Office of Habitat Management and Permitting

ORV	Off-Road Vehicle
-P-	
PAR	Preferred Alternative Report
PGM	Platinum Group Metals
PM ₁₀	Particulate Matter with Aerodynamic Diameter Less than or Equal to 10 Microns
PM _{2.5}	Particulate Matter with Aerodynamic Diameter Less than or Equal to 2.5 Microns
ppb	Part(s) Per Billion
ppm	Part(s) Per Million
-R-	
RMS	Root Mean Square
ROD	Record of Decision
ROS	Recreational Opportunity Spectrum
ROW	Right-Of-Way
RV	Recreational Vehicle
-S-	
SADT	Summer Average Daily Traffic
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SATP	Southeast Alaska Transportation Plan
SEARHC	Southeast Alaska Regional Health Consortium
SEIS	Supplemental Environmental Impact Statement
SHPO	State Historic Preservation Officer
SIO	Scenic Integrity Objective
SIP	State Implementation Plan
SO ₂	Sulfur Dioxide
SO _x	Sulfur Oxides
SPLASH	Structure of Populations, Level of Abundance, and Status of Humpbacks
SSL	Steller Sea Lion
STIP	Statewide Transportation Improvement Program
SVFD	Skagway Volunteer Fire Department
SWPPP	Storm Water Pollution Prevention Plan
-T-	
TIGER	Transportation Investment Generating Economic Recovery
TLMP	1997 <i>Tongass Land Management Plan</i>
TLRMP	2008 <i>Tongass Land and Resource Management Plan</i>
TMP	Transportation Management Plan
TSS	Total Suspended Solids
TTRA	Tongass Timber Reform Act
TUS	Transportation and Utility System

-U-

UAS	University of Alaska Southeast
USACE	U.S. Army Corps of Engineers
USC	U.S. Code
USCG	U.S. Coast Guard
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	Underground Storage Tank

-V-

VCU	Value Comparison Unit
VMT	Vehicle Miles Traveled

-W-

WP&YR	White Pass and Yukon Route
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