

# Sterling Highway Mile Post 45-60 Draft Supplemental Environmental Impact Statement and Section 4(f) Evaluation



*Prepared for:*



State of Alaska  
Department of Transportation and  
Public Facilities

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# Sterling Highway MP 45-60 Project

Kenai Peninsula Borough / Cooper Landing, Alaska

## Draft Supplemental Environmental Impact Statement and Draft Section 4(f) Evaluation

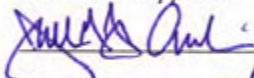
Submitted pursuant to 42 U.S.C. 4332(2)(c), 16 U.S.C. 3164(e), and 49 U.S.C. 303 by:  
U.S. Department of Transportation, Federal Highway Administration, and  
State of Alaska Department of Transportation and Public Facilities

This action complies with Executive Order 11988, Floodplain Management; Executive Order 11990, Protection of Wetlands; and Executive Order 12898, Environmental Justice.

### Cooperating Agencies

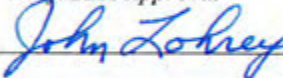
State of Alaska Department of Natural Resources  
State of Alaska Department of Fish and Game  
U.S. Army Corps of Engineers  
U.S. Coast Guard  
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U.S. Fish and Wildlife Service

Joel St. Aubin for DOT&PF  
Document Approval



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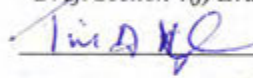
John Lohrey for FHWA  
Draft SEIS Approval



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Draft Section 4(f) Evaluation Approval



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The Sterling Highway MP 45-60 Project would improve the highway near the community of Cooper Landing, Alaska. Four alternative alignments are evaluated along with a No Build Alternative. Each "build" alternative includes portions in which the existing alignment would be rebuilt and a portion that would be built on a new alignment. Project information is online at [www.sterlinghighway.net](http://www.sterlinghighway.net).

**Comments** on this Draft SEIS and Draft Section 4(f) Evaluation are **due by May 26 2015**. Submit comments electronically to the DOT&PF Central Region Environmental Manager via the website at:

**[www.sterlinghighway.net](http://www.sterlinghighway.net)**

Send any comments via email or postal service as follows:

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**List of Appendices (see Volume 2)**

Appendix A: Traffic Crash Data Analysis

Appendix B: Conceptual Stage Relocation Study

Appendix C: ANILCA Section 810 Subsistence Evaluation

Appendix D: Highway Traffic Noise Assessment

Appendix E: Preliminary Location Hydraulic Study

Appendix F: Draft Section 4(f) *De Minimis* Findings Forms

## **Acronyms and Abbreviations**

|         |   |
|---------|---|
| 3R      | Resurfacing, Restoration, Rehabilitation                              |
| 4R      | Full Reconstruction Alternative                                       |
| AAC     | Alaska Administrative Code  |
| AADT    | Annual Average Daily Traffic  |
| AASHTO  | American Association of State Highway and Transportation Officials    |
| ACHP    | Advisory Council on Historic Preservation                             |
| ACMP    | Alaska Coastal Management Program                                     |
| ACS     | American Community Survey   |
| ADCCED  | Alaska Department of Commerce, Community, and Economic Development    |
| ADEC    | Alaska Department of Environmental Conservation                       |
| ADF&G   | Alaska Department of Fish and Game                                    |
| ADOLWD  | Alaska Department of Labor and Workforce Development                  |
| ADT     | Average Daily Traffic   |
| AHRS    | Alaska Heritage Resource Survey                                       |
| AMSA    | Area which Merits Special Attention                                   |
| ANCSA   | Alaska Native Claims Settlement Act                                   |
| ANILCA  | Alaska National Interest Lands Conservation Act                       |
| APDES   | Alaska Pollutant Discharge Elimination System                         |
| APE     | Area of Potential Effect  |
| APMVM   | Accidents per Million Vehicles per Mile Traveled                      |
| AS      | Alaska Statute  |
| ASTM    | American Society for Testing and Materials                            |
| ATV     | All-terrain Vehicle   |
| B&B     | Bed-and-breakfast   |
| BCC     | Birds of Conservation Concern   |
| BIA     | Bureau of Indian Affairs  |
| BLM     | Bureau of Land Management   |
| BMP     | Best Management Practices   |
| Borough | Kenai Peninsula Borough   |
| CEQ     | Council on Environmental Quality                                      |
| CERCLA  | Comprehensive Environmental Response, Compensation, and Liability Act |
| CFR     | Code of Federal Regulations   |
| CIRI    | Cook Inlet Region, Incorporated                                       |
| CNF     | Chugach National Forest   |
| CO      | Carbon Monoxide   |
| CPMVM   | Crashes per Million Vehicle Miles                                     |
| CRC     | Cultural Resource Consultants, LLC                                    |
| CWA     | Clean Water Act   |
| dB      | Decibel   |
| dBA     | A-weighted Decibel  |
| DCOM    | Alaska Division of Coastal and Ocean Management                       |
| DEIS    | Draft Environmental Impact Statement                                  |



*Sterling Highway MP 45–60 Project Draft SEIS*  
*Acronyms and Abbreviations*

---

|                    |   |
|--------------------|---|
| DHHS               | U.S. Department of Health and Human Services              |
| DLP                | Defense of Life or Property                               |
| DMLW               | Division of Mining Land and Water                         |
| DNR                | Alaska Department of Natural Resources                    |
| DOI                | U.S. Department of the Interior                           |
| DOT&PF             | Alaska Department of Transportation and Public Facilities |
| DPOR               | Alaska Department of Parks and Outdoor Recreation         |
| EFH                | Essential Fish Habitat                                    |
| EIS                | Environmental Impact Statement                            |
| EPA                | U.S. Environmental Protection Agency                      |
| ESA                | Environmental Site Assessment                             |
| FEMA               | Federal Emergency Management Agency                       |
| FERC               | Federal Energy Regulatory Committee                       |
| FHWA               | Federal Highway Administration                            |
| FMP                | Fisheries Management Plan                                 |
| FONSI              | Finding of No Significant Impact                          |
| FSB                | Federal Subsistence Board                                 |
| ft <sup>3</sup> /s | Cubic Feet per Second                                     |
| GHG                | Greenhouse Gases  |
| GIS                | Geographic information systems                            |
| HDR                | HDR Alaska, Inc.  |
| HMCP               | Hazardous Material Control Plan                           |
| HSIP               | Highway Safety Improvement Program                        |
| Hz                 | Hertz   |
| ICAP               | Indirect Cost Allocation Plan                             |
| IHS                | Interstate Highway System                                 |
| INHT               | Iditarod National Historic Trail                          |
| IRA                | Inventoried Roadless Areas                                |
| ISER               | Institute for Social and Economic Research                |
| KMM District       | Kenai Mining and Milling Co. Historic District            |
| KNWR               | Kenai National Wildlife Refuge                            |
| KRSMA              | Kenai River Special Management Area                       |
| Leq(h)             | Average Sound Level Occurring Over a 1-hour Period        |
| LOS                | Level of Service  |
| LHS                | Location Hydraulic Study                                  |
| LUST               | Leaking Underground Storage Tank                          |
| LWCF               | Land and Water Conservation Fund                          |
| m                  | Meter   |
| mg/L               | Milligrams per Liter                                      |
| mm                 | Millimeter  |
| MOA                | Memorandum of Agreement                                   |
| MOU                | Memorandum of Understanding                               |
| MP                 | Milepost(s)   |
| mph                | Miles per Hour  |
| μS/cm              | Microsiemens per Centimeter                               |
| NEPA               | National Environmental Policy Act                         |

|                         |   |
|-------------------------|---|
| NFA                     | No Further Action   |
| NFRAP                   | No Further Remedial Action Planned                          |
| NHD                     | National Hydrologic Database                                |
| NHPA                    | National Historic Preservation Act                          |
| NHS                     | National Highway System                                     |
| NM                      | Noise Monitoring  |
| NMFS                    | National Marine Fisheries Service                           |
| NOAA                    | National Oceanic and Atmospheric Administration             |
| NOI                     | Notice of Intent  |
| NPDES                   | National Pollution Discharge Elimination System             |
| NRHP                    | National Register of Historic Places                        |
| O&M                     | Operations and Maintenance                                  |
| OHA                     | State of Alaska Office of History and Archaeology           |
| OHMP                    | State of Alaska Office of Habitat Management and Permitting |
| OPMP                    | Office of Project Management and Permitting                 |
| PCM                     | Alaska Preconstruction Manual                               |
| PL                      | Public Law  |
| PLO                     | Public Land Order   |
| PM <sub>2.5</sub>       | Particulate Material with a Diameter of 2.5 Micrometers     |
| PM <sub>10</sub>        | Particulate Material with a Diameter of 10 Micrometers      |
| RCRA                    | Resource Conservation Recovery Act                          |
| Resurrection Pass Trail | Resurrection Pass National Recreation Trail                 |
| RFFA                    | Reasonably Foreseeable Future Actions                       |
| RM                      | River Mile  |
| ROD                     | Record of Decision  |
| ROW                     | Right-of-way  |
| RRLA                    | Russian River Land Act                                      |
| SEIS                    | Supplemental Environmental Impact Statement                 |
| SHPO                    | State Historic Preservation Officer                         |
| SRD                     | Seward Ranger District                                      |
| sq. ft.                 | Square Foot/Feet  |
| STRAHNET                | Strategic Highway Network                                   |
| SWPPP                   | Storm Water Pollution Prevention Plan                       |
| TCP                     | Traditional Cultural Property                               |
| USACE                   | U.S. Army Corps of Engineers                                |
| USC                     | U.S. Code   |
| USCG                    | U.S. Coast Guard  |
| USDA                    | U.S. Department of Agriculture                              |
| USDOT                   | U.S. Department of Transportation                           |
| USFS                    | U.S. Forest Service   |
| USFWS                   | U.S. Fish and Wildlife Service                              |
| USGS                    | U.S. Geological Survey                                      |
| UST                     | Underground Storage Tanks                                   |
| VPP                     | View Prioritization Process                                 |
| VQE                     | Visual Quality Evaluation                                   |

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