FHWA-ID-EIS-12-01-F

Final Environmental Impact Statement (FEIS) and Final Section 4(f) Evaluation US-95 Thorncreek Road to Moscow

Milepost 337.67 to Milepost 344.00; Latah County, Idaho
Project No. DHP-NH-4110 (156); Key No 9294

Submitted Pursuant to:
40 CFR 1500-1508; 23 CFR 771; 49 USC 303; 23 USC 109(h); 23 USC 128; 23 USC 138
by
U.S. Department of Transportation (USDOT); Federal Highway Administration (FHWA)
and
Idaho Transportation Department (ITD)
and
Cooperating Agency
U.S. Army Corps of Engineers (USACE)
July 2015

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7/28/15
Date of Approval:

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Abstract:
The US-95 Thorncreek Road to Moscow project is located in Latah County, Idaho. The project begins near Thorncreek Road (MP 337.67) and continues north for approximately 6.34 miles, ending at the South Fork Palouse River Bridge (MP 344.00). The purpose of this project is to improve the safety and capacity on this segment of US-95. This FEIS analyzes the benefits and effects of the No Action and three Action Alternatives (Modified W-4, C-3 and E-2) on the natural and human environment. It makes corrections to the DEIS, presents new information and responds to public comments. It also identifies the Preferred Alternative and mitigation measures.
Any comments on this FEIS must be received by, September 14 2015 and should be sent to:

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TECHNICAL REPORTS

The following technical reports were prepared to evaluate the existing conditions and alternative effects during the DEIS preparation. Additional reports prepared after the DEIS publication are added under the FEIS Technical Reports.

DEIS Technical Reports

The following technical reports were prepared which support the DEIS and were circulated with the DEIS.

BIOLOGICAL ASSESSMENT TECHNICAL REPORT

- Biological Assessment, Thorncreek Road to Moscow Highway Construction Project (ITD 2007a)

COMMUNITY IMPACT TECHNICAL REPORTS

- Community Profile Update (HDR 2011a)
- Environmental Justice Update (HDR 2011b)
- Induced Development Update (HDR 2011c)
- Community Impact Assessment Update (HDR 2011d)
- Community Impact Assessment (HDR 2006)
- Community Profile & Induced Development (HDR 2005a)
- Environmental Justice (HDR 2005b)

CULTURAL RESOURCES TECHNICAL REPORTS

- Historic Resources Survey Update to An Historic Buildings/Structures Survey (Cardno-Entrix 2011)
- Cultural Resources Surveys; Short Report 898 (AHS 2006)
- An Historic Buildings/Structures Survey; Short Report 832 (Sharley 2005)

FARMLAND TECHNICAL REPORT

- Farmland Protection Policy Act (Haagen 2006)

FLOODPLAIN TECHNICAL REPORT

- Hydraulic Study for Affected Floodplains on Alternatives Carried Forward (ITD 2012b)

HAZARDOUS MATERIALS TECHNICAL REPORTS

- Phase I Database Inquiry 3134591.1s (EDR 2011)

- Hazardous Materials Scan (North Wind 2005)

TRAFFIC NOISE TECHNICAL REPORT

- Analysis of Noise Environment and Impacts (Bionomics 2012)

SCREENING OF ALTERNATIVES TECHNICAL REPORT

- Alignment Screening 1-US-95 Thorncreek Road to Moscow; Alignment Screening Report (ITD 2006)

SAFETY TECHNICAL REPORT

- US-95 Thorncreek Road to Moscow AASHTO Highway Safety Manual Analysis for Alignments Carried Forward (ITD 2012a)

VEGETATION TECHNICAL REPORTS

- A Scientific Evaluation for Noxious and Invasive Weeds of the Highway 95 Construction Project between Uniontown Cutoff and Moscow (Lass & Prather 2007)
- Biological Evaluation of Plant Species and Communities of Conservation Concern in the US Highway 95 Thorncreek Road to Moscow Project Area (Lichthardt 2005)

VISUAL RESOURCES TECHNICAL REPORT

- Final Visual Resources Report (Visual Genesis 2005)

WEATHER TECHNICAL REPORT

- Final Report for Weather Analysis of Proposed Realignments (Qualls 2005)

WETLAND DELINEATION TECHNICAL REPORT

- Wetland Delineation Technical Report (Gilmore 2012)

WILDLIFE TECHNICAL REPORTS

- Assessment of Potential Big Game Impacts and Mitigation Associated with Highway Alternatives from Thorncreek Road to Moscow (Sawyer 2010)
- Final Review of Wildlife Mitigation for the Thorncreek Road to Moscow Highway Development Project (US-95) (Ruediger 2007)
- General Wildlife Assessment (IDFG 2006)
- Biological Evaluation on the Potential Impacts of Corridor Alternatives from Thorncreek Road to Moscow on Large Ungulates (Melquist 2005a)

- Biological Evaluation on the Potential Impacts of Corridor Alternatives from Thorncreek Road to Moscow on Long-eared Myotis and Pygmy Nuthatches (Melquist 2005b)

FEIS Technical Reports

The following additional technical reports were prepared which support the FEIS. All reports are circulated with the FEIS with the exception of *A Cultural Resources Probability Study for Idaho Transportation Department's Proposed US 95 Thorn Creek Road to Moscow, Stage 1 Project, Latah County, Idaho* (Sharley and Gough, 2005). This was not released due to the confidentiality of the content.

BIOLOGICAL ASSESSMENT TECHNICAL REPORT

- Memo Documenting Resurvey for Spalding's Catchfly along US-95 Thorncreek to Moscow Project Area, (Lichthardt 2014)
- Updated USFWS Species List (USFWS 2015)

CULTURAL RESOURCES TECHNICAL REPORT

- Addendum A to the Cultural Resource Survey Reports for Modified W-4 Alternative (ITD 2015c)
- A Cultural Resources Probability Study for Idaho Transportation Department's Proposed US 95 Thorn Creek Road to Moscow, Stage 1 Project, Latah County, Idaho (Sharley and Gough, 2005)-Not circulated to the public

FLOODPLAIN TECHNICAL REPORT

- Hydraulic Study for Affected Floodplains on Alternatives Carried Forward (ITD 2014c)

VEGETATION TECHNICAL REPORT

- Memo: Effects Analysis of the US Highway 95-Thorncreek Road to Moscow Project for Plant Species and Communities of Conservation Concern (Lichthardt 2008)

WATER RESOURCES TECHNICAL REPORT

- Hydrogeologic Analysis of Alternative Alignments of Highway 95 from Thorncreek to Moscow (Ralston 2014)

TRAFFIC NOISE TECHNICAL REPORT

- Addendum to the Analysis of Noise Environment and Impacts (ITD 2015a)
- Analysis of Noise Environment and Impacts (Bionomics 2012)-updated in 2015 to correct right-of-way impacts)

SAFETY TECHNICAL REPORT

- Idaho Transportation Board Agenda and Minutes and sample of ITD 0606 Form.
- US-95 Thorncreek Road to Moscow; AASHTO Highway Safety Manual Analysis on Alternatives Carried Forward (ITD 2013)
- Addendum 1 US-95 Thorncreek Road to Moscow AASHTO Highway Safety Manual Analysis on Alternatives Carried Forward. (ITD 2015b)
- US-95 Thorncreek Road to Moscow; Mobility and Road User Cost Study on Alternatives Carried Forward (ITD 2014a)
- Addendum 1 US-95 Thorncreek Road to Moscow; Mobility and Road User Cost Study on Alternatives Carried Forward. (ITD 2014b)

WEATHER TECHNICAL REPORT

- Weather Analysis and Climate Study for US Highway 95, Thorncreek Road to Moscow, Four Proposed Alternatives, No-Build, W-4, C-3 and E-2 (Qualls 2014)

DEIS PUBLIC COMMENTS

- US-95 Thorncreek Road to Moscow, Draft Environmental Impact Statement Copies of Public Comments

ACRONYMS AND ABBREVIATIONS

Acronym	Definition
AASHTO	American Association of State Highway and Transportation Officials
acc/mvm	accidents per million vehicle miles
ACHP	Advisory Council on Historic Preservation
ADT	Average Daily Traffic
AIRFA	American Indian Religious Freedom Act
Amsl	Above mean sea level
APE	Area of Potential Effect
AST	Above-ground Storage Tank
BA	Biological Assessment
BMP	Best Management Practice
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CGP	Construction General Permit
CLOMR	Conditional Letter Of Map Revision
CO	Carbon monoxide
CO_2	Carbon dioxide
CRP	Conservation Reserve Program
CWA	Clean Water Act
dBA	A-weighted decibels
DEIS	Draft Environmental Impact Statement
EA	Environmental Assessment
EIS	Environmental Impact Statement
EO	Executive Order
EPA	United States Environmental Protection Agency
EQIP	Environmental Quality Incentives Program
ESA	Endangered Species Act
FEIS	Final Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FINDS	Facility Index System
FIRM	Flood Insurance Rate Map
FPPA	Farmland Protection Policy Act
FR	Federal Register
ft	Feet
GHG	Greenhouse Gas

Acronym	Definition
GIS	Geographic Information System
GRP	Grassland Reserve Program
Ha	Hectare
HAL	High Accident Location
HTF	Highway Trust Fund
I/F	Injury/Fatality
ICDC	Idaho Conservation Data Center
IDAPA	Idaho Administrative Procedures Act
IDEQ	Idaho Department of Environmental Quality
IDFG	Idaho Department of Fish and Game
IDT	Inter-disciplinary Team
IDWR	Idaho Department of Water Resources
ITD	Idaho Transportation Department
ITIP	Idaho Transportation Investment Program
Leq	Hourly-equivalent sound pressure levels
$L_{eq}(h)$	Hourly equivalent noise level in a-weighted decibels (dBA)
LIP	Landowner Incentives Program
LOMR	Letter Of Map Revision
LOS	Level of Service
LUST	Leaking Underground Storage Tank
LWCFA	Land and Water Conservation Fund Act
m	meter
MAP-21	Moving Ahead for Progress in the 21st Century
MP	Milepost
Mh	Moderately high
mpg	miles per gallon
mph	miles per hour
MSAT	Mobile Source Air Toxics
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NAFTA	North American Free Trade Agreement
NAGPRA	Native American Graves Protection and Repatriation Act
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NHPA	National Historic Preservation Act
NHS	National Highway System
NLHD	North Latah County Highway District

Acronym	Definition
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice Of Intent
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resource Conservation Service
NRHP	National Register of Historic Places
PDO	Property Damage Only
PEM	Palustrine Emergent
PFO	Palustrine Forested
PFW	Partners for Fish and Wildlife
PM	Particulate Matter
PSF	Plant Sciences Farm
PSS	Palustrine Scrub-Shrub
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
ROW	Right-of-way
RV	Recreational Vehicle
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SCC	Species of Conservation Concern
SDWA	Safe Drinking Water Act
SGCN	Species of Greatsest Conservation Need
SH	State Highway
SHPO	State Historic Preservation Office
STP	State Transportation Plan
SWPPP	Stormwater Pollution Prevention Plan
TDM	Transportation Demand Management
TEA-21	Transportation Equity Act for the 21st Century
THPO	Tribal Historic Preservation Office
TMDL	Total Maximum Daily Load
TNM	Traffic Noise Model
TSM	Transportation System Management
US	United States
USACE	United States Army Corps of Engineers
USC	United States Code
USDA	United States Department of Agriculture
USDOT	United States Department of Transportation
USFWS	United States Fish and Wildlife Service
UST	Underground Storage Tank

Acronym	Definition
VMT	Vehicle Miles Traveled
WCS	Idaho Comprehensive Wildlife Conservation Strategy
WRIA	Water Resource Inventory Area