



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

MASTER FILE
COPY

Memorandum

To: Lisa Hurley, Supervisor
Fiscal Programming Section

From: Heidi Bruner, P.E.
Engineering Section Supervisor

Date: February 10, 2015

Subject: Categorical Exclusion group (c) – for Traffic Signing:
HSIP 90-3(122)174
SF 129-SFTY IMPRV DEER LODGE
Control Number: 8029000

Environmental Services has determined that this proposed project will not involve unusual circumstances as described under 23 CFR 771.117(b). It therefore qualifies as a Categorical Exclusion under the provisions of 23 CFR 771.117(c), part (8). This proposed action also qualifies as a Categorical Exclusion under the provisions of ARM 18.2.261 (Sections 75-1-103 and 75-1-201, M.C.A.).

In accordance with the Federal Highway Administration's (FHWA) letter of March 29, 1999, please notify FHWA that the proposed action is being processed in accordance with 23 CFR 771.117(c).

e-copies:

Jeff Ebert - Butte District Administrator
Roy Peterson - Traffic & Safety Bureau Chief
Lesly Tribelhorn - Acting Highways Engineer
Tom Martin - Environmental Services Bureau Chief
Heidi Bruner – Engineering Section Supervisor
Leroy Wosoba –Traffic Project Engineer
Jeff Patten – FHWA
Barry Brosten – Environmental
Tom Erving - Fiscal Programming Section

copy: project file



Memorandum

To: Distribution

From: Roy Peterson, P.E. *Initialed RAP*
 Traffic & Safety Engineer

Date: October 6, 2014

Subject: HSIP 90-3(122)174
 SF 129-SFTY IMPRV DEER LODGE
 UPN 8029000
 310 – Roadway & Roadside Safety Improvements

Attached is the Preliminary Field Review Report/Scope of Work Report which was approved on 10/7/14. We request that those on the distribution review this report and submit your concurrence within two weeks of the approval date.

Your comments and recommendations are also requested if you do not concur or concur subject to certain conditions. When all personnel on the distribution list have concurred, and the environmental documentation is approved, we will submit this report to the Preconstruction Engineer for approval.

I recommend approval:

Approved _____ Date _____

Distribution:

- | | |
|-------------------------------------------|--------------------------------------------------------------|
| Jeff Ebert, Butte District Administrator | Tom Martin, Environmental Services Bureau Chief |
| Kent Barnes, Bridge Engineer | Lynn Zanto, Rail, Transit, & Planning Division Administrator |
| Paul Ferry, Highways Engineer | Jake Goettle, Construction Engineering Services Bureau |
| Robert Stapley, Right-of-Way Bureau Chief | Matt Strizich, Materials Engineer |

cc:

- | | |
|----------------------------------------------|-------------------------------------------|
| LeRoy Wosoba, Traffic Project
Master file | Dawn Stratton, Fiscal Programming Section |
|----------------------------------------------|-------------------------------------------|

e-copies:

- | | |
|------------------------------------------------------|--------------------------------------------------------------|
| Jim Walther, Engineering, Preconstruction Engineer | Jake Goettle, Construction Bureau – VA Engineer |
| Lesly Tribelhorn, Highways Design Engineer | Dustin Rouse, Butte District Preconstruction |
| Mark Goodman, Hydraulics Engineer | Joe Walsh, Butte District Projects Engineer |
| Walt Ludlow, District Hydraulics Engineer | Casey Ballard, Butte District Materials Lab |
| Bryce Larsen, Supervisor, Photogrammetry & Survey | Kam Wrigg, Butte District Maintenance Chief |
| Deb Wambach, District Biologist | Therese Iwaniak, District Right of Way Supervisor |
| Barry Brosten, District Project Development Engineer | Phillip Inman, Utilities Engineering Manager |
| Danielle Bolan, Traffic Operations Engineer | David Hoerning, Lands Section Supervisor |
| Ivan Ulberg, Traffic Design Engineer | Greg Pizzini, Acquisition Section Supervisor |
| LeRoy Wosoba, District Traffic Project Engineer | Joe Zody, R/W Access Management Section Manager |
| Kraig McLeod, Safety Engineer | Matt Strizich, Materials Engineer |
| Nathan Haddick, Butte Bridge Area Engineer | Jim Davies, Pavement Analysis Engineer |
| Engineering Cost Analyst | Darin Reynolds, Surfacing Design Supervisor |
| Marty Beatty, Engineering Information Services | Jeff Jackson, Geotechnical Engineer |
| Paul Grant, Public Involvement Officer | Pat McCann, District Geotechnical Manager |
| Sue Sillick, Research Section Supervisor | Paul Johnson, Project Analysis Bureau |
| Suzy Price, Contract Plans Bureau Chief | Jean Riley, Planner |
| Alyce Fisher, Fiscal Programming Section | Becky Duke, Traffic Data Collection Section Supervisor (WIM) |
| Dawn Stratton, Fiscal Programming Section | Doug McBroom, Maintenance Division Operations Manager (RWIS) |

Preliminary Field Review/Scope of Work Report

UPN 8029000

Project Manager: LeRoy Wosoba

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Introduction

The field review for this project was held on June 27, 2014. The following individuals were in attendance:

LeRoy Wosoba

MDT Traffic

Hans Hoelstad

MDT Traffic

Lee Alt

Butte District Traffic Engineer

Proposed Scope of Work

This project was nominated to install safety improvements on I-90 at the following 3 locations:

RP 173.5 to 174.1 (Location 1)

It was proposed to replace a length of guardrail on the right side of the westbound lanes that is protecting a stockpass with an IRT. During the field review it was determined that the length of need of the guardrail would be reviewed and the length of guardrail reduced while still shielding vehicles from reaching the stockpass. The need for curve signing will be evaluated for this location and will be included if necessary.

RP 186.6 to 188.4 (Location 2)

Double delineation and revised curve warning signs will be installed for the curve at this location.

RP 195.9 to 196.5 (Location 3)

Curve warning signing will be installed for the curve at this location.

Purpose and Need

The purpose of this project is to address single vehicle run off the road crashes.

Project Location and Limits

This project is located on I-15 beginning at RP 173.5 and ending at RP 196.5. No work is proposed between RP 174.1 to 186.6 and RP 188.4 to 195.9. This roadway is classified as a Principal Arterial-Interstate. This project is located in Powell and Deerlodge Counties within the Butte District.

Work Zone Safety and Mobility

At this time, Level 3 construction zone impacts are anticipated for this project as defined in the Work Zone Safety and Mobility (WZSM) guidance. The plans package will include a Transportation Management Plan (TMP) consisting mainly of a Traffic Control Plan (TCP). These issues are discussed in more detail under the Traffic Control and Public Involvement sections.

Physical Characteristics

Interstate 90 has two 12-foot eastbound travel lanes and two 12-foot westbound travel lanes, separated by a median, 4-foot inside shoulders and 10-foot outside shoulders. It traverses level terrain.

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Traffic Data

Traffic data was not requested for this project due to the limited scope. The 2013 AADT from the MDT Traffic Data Map is 8500 for Location 1, 7330 for Location 2, and 8060 for Location 3. If more detailed traffic data is required, it will be requested.

Crash Analysis

Location 1

There were 17 crashes at this location in the 5 year time period of January 1, 2006 to December 31, 2010. Six of these crashes are considered addressable with the subject improvements.

Location 2

There were 24 crashes at this location in the 5 year time period of January 1, 2006 to December 31, 2010. Eight of these crashes are considered addressable with the subject improvements.

Location 3

There were 11 crashes at this location in the 5 year time period of January 1, 2006 to December 31, 2010. Three of these crashes are considered addressable with the subject improvements.

Major Design Features

- a. **Design Speed.** The design speed for this project will be 70 mph for a freeway in level terrain.
- b. **Horizontal Alignment.** No changes to the horizontal alignment are proposed.
- c. **Vertical Alignment.** No changes will be made to the vertical alignment.
- d. **Typical Sections and Surfacing.** No changes will be made to the typical sections and surfacing.
- e. **Geotechnical Considerations.** There will be no geotechnical involvement on this project.
- f. **Hydraulics.** There will be no hydraulic involvement on this project.
- g. **Bridges.** The following structures are within the limits of the 3 locations, no work is planned on these structures:

I00090187+00291
I00090187+00292
I00090187+06891
I00090187+06892
S00275003+00921

- h. **Traffic.** At location 1, the existing guardrail on the right for the westbound lanes will be evaluated for length of need and shortened to the appropriate length. Signing plans will be prepared for all 3 locations.
- i. **Pedestrian/Bicycle/ADA.** No new features are planned with this project.
- j. **Miscellaneous Features.** No miscellaneous features were identified.

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k. **Context Sensitive Design Issues.** No context sensitive issues were identified.

Other Projects

SF 139-RACETRACK BRDG REMOVAL, UPN 8613 is located from RP 195.6 to 196.2 on I-90, overlaps with Location 3, but won't affect this project.

Design Exceptions

No design exceptions are anticipated.

Right-of-Way

No new right of way will be required.

Access Control

No changes to the existing access control are proposed.

Utilities/Railroads

There are no railroads within the project limits. One call will be used during installation of the new signing and for the guardrail to avoid any existing underground utilities.

Maintenance Items

No maintenance items were identified.

Intelligent Transportation Systems (ITS) Features

No ITS features were proposed for this project.

Survey

Survey will not be required.

Public Involvement

A news release explaining the project and including a department point of contact will be sent to the local media.

Environmental Considerations

A categorical exclusion is anticipated for this project. The scope of work will be approved once the environmental document is completed.

Energy Savings/Eco-Friendly Considerations

None were identified during the review.

Experimental Features

No experimental features were identified.

Traffic Control

A Transportation Management Plan (TMP) consisting of a Traffic Control Plan (TCP), a limited Transportation Operations (TO) component and a limited Public Information (PI) component is appropriate for this project.

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Project Manager: LeRoy Wosoba

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Project Management

LeRoy Wosoba will be the Project Design Manager. The Traffic and Safety Bureau will be responsible for the plans development for this project. This project is not a project of division interest.

Preliminary Construction Cost Estimate

The nominated project construction cost was \$20,653 this includes \$4,155 for IDC and inflation. The IDC rate is 9.13%. A more detailed estimate will be completed as the project is developed.

Preliminary Engineering

\$11,200 was nominated for PE for this project. After the completion of overrides the accurate estimate of manhours will be used to determine if an increase in PE is needed.

Project and Risk Management

LeRoy Wosoba will be the Project Design Manager. The Traffic and Safety Bureau will be responsible for the plans development for this project. This project is not a project of division interest.

Ready Date

The ready date will be established when overrides are completed.

Site Map

The project site map is attached.

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