



June 24, 2011

Alan Woodmansey, P.E.
Great Falls and Billings Districts Operations Engineer
Federal Highway Administration (FHWA)
585 Shepard Way
Helena MT 59602



Subject: Statewide Programmatic Categorical Exclusion for Pavement Preservation Projects
NH 1-3(67)256
Cut Bank-Shelby
Control Number: 7452000

Dear Alan Woodmansey:

The MDT Environmental Services Bureau has reviewed the Preliminary Field Review/Scope of Work Report (PFR/SOW) for the subject project. Based on the completed Environmental Checklist for Pavement Preservation Projects (Checklist), we conclude that the Statewide Programmatic Categorical Exclusion for these types of projects would cover this project. For your information, I have attached a copy of the PFR/SOW (including the location map) and the signed Environmental Checklist. Environmental-related Special Provisions will be included in the contract plans.

If you have questions or concerns, please contact Eric Thunstrom at 444-7648. He will be pleased to assist you.

Sincerely,

Eric Thunstrom

FOR: Heidi Bruner, P.E.
Environmental Services Bureau Engineering Section Supervisor

Attachments: Environmental Checklist, PFR/SOW Report

electronic copies with attachment (Checklist only, unless noted):

- | | |
|----------------------------|--|
| Michael P. Johnson | Great Falls District Administrator |
| Tom Martin, P.E. | Environmental Services Bureau Chief |
| Heidi Bruner, P.E. | Environmental Services Bureau Engineering Section Supervisor |
| Eric Thunstrom | Environmental Services Bureau Project Development Engineer |
| Paul Ferry, P.E. | Highways Engineer |
| Dustin Rouse, P.E. | Road Design Area Engineer |
| Kevin Christensen, P.E. | Construction Engineer |
| Suzy Price | Contract Plans Bureau Chief |
| Dawn Stratton | Fiscal Programming Section |
| Montana Legislative Branch | Environmental Quality Council (w/ PFR/SOW also) |
| File | Environmental Services Bureau |

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(FOR PROJECTS WITH NO RIGHT-OF-WAY INVOLVEMENT)

Applicant cannot be authorized to proceed with the proposed work until ALL of the conditions of the checklist have been satisfied.

ENVIRONMENTAL CHECKLIST FOR PAVEMENT PRESERVATION PROJECTS
(CRACK SEALING, SEAL & COVER, THIN OVERLAYS, MILL & FILL, PLANT MIX LEVELING, MILL OGFC, MICRO SURFACING, FOG SEAL)

Project No.: NH 1-3(68)256 ID: Project Name: CUT BANK - SHELBY

Reference Post (Station) 256.2 to Reference Post (Station) 279.2

Applicant's Name: Montana Department of Transportation Address: PO Box 201001; Helena, MT 59620-1001

Type of Proposed Pavement Preservation Activity: CRACK SEAL, SEAL & COVER

Table with 3 columns: Impact Questions, [Y/N] There are Potential Impacts; or Item Requires Documentation, Evaluation, Mitigation Measures, and/or (a) Permit(s), and Comment (Use attachments if necessary). Rows include questions about Wild or Scenic Rivers, endangered species, water quality, wetlands, and air quality.

MASTER FILE COPY

Checklist prepared by: Dustin Rouse Applicant, Project Design Engineer Title, 5/19/2011 Date

Approved by: Eric Thurston FOR: HEIDY BRUNER Environmental Services Title, 6/24/2011 Date

(When any of the above questions are checked "Yes")



Memorandum

To: Distribution

From: Paul R. Ferry, P.E. **PF**
 Highways Engineer

Date: June 6, 2011

Subject: NH 1-3(67)256
 Cut Bank - Shelby
 UPN 7452000
 Work Type 183 Resurfacing – Seal & Cover

Attached is the Preliminary Field Review Report/Scope of Work Report which was approved on 6/10/11. 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:

- | | |
|---|--|
| Michael P. Johnson, District Administrator | Lynn Zanto, Rail, Transit, & Planning Division Administrator |
| Kent Barnes, Bridge Engineer | Jake Goettle, Construction Engineering Services Bureau |
| Tom Martin, Environmental Services Bureau Chief | Matt Strizich, Materials Engineer |
| Roy Peterson, Traffic and Safety Engineer | Jon Swartz, Maintenance Administrator |
| Robert Stapley, Right-of-Way Bureau Chief | |
| Paul Ferry, Highways Engineer | |

cc:

- | | |
|--|-------------------------------------|
| Dawn Stratton, Fiscal Programming Section | Damian Krings, Road Design Engineer |
| Dustin Rouse, Project Design Manager, G F District | Master file |

e-copies:

- | | |
|---|---|
| Jim Walther, Engineering, Preconstruction Engineer | Jake Goettle, Construction Bureau – VA Engineer |
| Lesly Tribelhorn, Highways Design Engineer | Stephen Prinzing, District Preconstruction |
| Mark Goodman, Hydraulics Engineer | Christie McOmer, District Projects Engineer |
| Kurt Marcoux, District Hydraulics Engineer | Stanley Kuntz, District Materials Lab |
| Bonnie Gundrum, Env. Resources Section Supervisor | Tony Strainer, District Maintenance Chief |
| Paul Sturm, District Biologist | Walt Scott, R/W Utilities Section Supervisor |
| Eric Thunstrom, District Project Development Engineer | David Hoerning, R/W Engineering Manager |
| Danielle Bolan, Traffic Engineer | Greg Pizzini, Acquisition Manager |
| Ivan Ulberg, District Traffic Project Engineer | Joe Zody, R/W Access Management Section Manager |
| Kraig McLeod, Safety Engineer | Paul Johnson, Project Analysis Bureau |
| S Brandenberger, Bridge Area Engineer, G Falls District | Sue Sillick, Research Section Supervisor |
| Matt Strizich, Materials Engineer | Donald Weaver, Havre Maintenance |
| Daniel Hill, Pavement Analysis Engineer | Gerry Brown, Construction Engineering Services |
| Lee Grosch, District Geotechnical Manager | Donald McNett, Havre Maintenance |
| Bryce Larsen, Supervisor, Photogrammetry & Survey | Dawn Stratton, Fiscal Programming |
| Marty Beatty, Engineering Information Services | Alyce Fisher, Fiscal Programming |
| Paul Grant, Public Involvement Officer | Bill Rabey, Environmental Services |
| Jean Riley, Planner | |
| Gary Engman, Great Falls Maintenance | |



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

Memorandum

To: Paul R. Ferry, P.E.
Highways Engineer

From: Damian Krings, P.E.
Road Design Engineer

Date: June 6, 2011

Subject: NH 1-3(67)256
Cut Bank - Shelby
UPN 7452000
Work Type 183 - Resurfacing – Seal

Please approve the attached Preliminary Field Review Report/Scope of Work Report.

Approved _____ Date _____
Paul R Ferry, P.E.
Highways Engineer

The same report is also being distributed under a separate cover as a Scope of Work Report for comments and approval recommendations.

cc (w/attach.):
Damian Krings, Road Design Engineer
Master file

Preliminary Field Review/Scope of Work Report

NH 1-3(67)256

Project Manager : Dustin Rouse

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Introduction

This report was developed from information taken from the preliminary field review conducted on May 2, 2011. The following people were in attendance:

Steve Prinzing	District Preconstruction	MDT - Great Falls
Donald Weaver	Havre Maintenance	MDT - Great Falls
Donald McNett	Havre Maintenance	MDT - Great Falls
Gerry Brown	Construction	MDT - Lewistown
Scott Bunton	Road Design	MDT - Helena
Richard Savage	Road Design	MDT - Helena
James Dunbar	Road Design	MDT - Helena
Steve McEvoy	Pavement Analysis	MDT - Helena

Proposed Scope of Work

This project was nominated as a preventative maintenance crack seal with seal & cover.

Purpose and Need

The intent of this project is to extend the life of the existing plant mix surface.

Project Location and Limits

This project is located in Glacier and Toole counties on N-1/US 2. It begins at RP 256.195, and proceeds easterly for 23.040 miles, to RP 279.235.

The project begins just inside the city limits at the east end of Cut Bank, and ends just inside the city limits at the west end of Shelby.

The As-Built project numbers are, F 1-3(18)256, and F-154(3).

The direction of the proposed project is west to east.

The project is on a NHS – Non Interstate route and is functionally classified as a Principal Arterial

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 Traffic Management Plan (TMP) consisting of a Traffic Control Plan (TCP).

Physical Characteristics

The project is a two lane rural roadway that traverses flat and rolling terrain. The surrounding area is farmland and pasture, except at the beginning and end of the project, which are at the edges of Cut Bank and Shelby.

The first 15.0 miles of the project, from the beginning to RP 271.191 was reconstructed in 1967 under F 220(11) and overlaid (0.4 ft) in 1991 under F 1-3918)256. Pavement width of this section varies from 46 ft to 32 ft. The second half was reconstructed in 1953 under F 154 3 and last overlaid (0.15 FT) in 2003 under SFCN 1-4(27)271. Pavement width for this section is 28 ft..

PvMS Data: The indices, condition levels, and recommendations for the 2010 survey year are given in the following table:

Preliminary Field Review/Scope of Work Report

NH 1-3(67)256

Project Manager : Dustin Rouse

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PVMS INDICES RP 254.81 TO RP 256.50	
Ride	62.8(Fair)
Rut	57.2(Poor)
Alligator Cracking	98.7(Good)
Miscellaneous Cracking	73.8(Fair)
Recommendations	
Construction 2011	Thin Overlay
Construction 2013	Thin Overlay
Maintenance 2011	Thin Overlay
Maintenance 2013	Thin Overlay
PVMS INDICES RP 256.50 TO RP 263.11	
Ride	81.8(Good)
Rut	73.1(Good)
Alligator Cracking	98.5(Good)
Miscellaneous Cracking	81.8(Good)
Recommendations	
Construction 2011	Crack Seal & Cover
Construction 2013	Crack Seal & Cover
Maintenance 2011	Crack Seal & Cover
Maintenance 2013	Crack Seal & Cover
PVMS INDICES RP 263.11 TO RP 266.79	
Ride	80.1(Good)
Rut	63.7(Good)
Alligator Cracking	99.6(Good)
Miscellaneous Cracking	96.2(Fair)
Recommendations	
Construction 2011	Do Nothing
Construction 2013	Crack Seal & Cover
Maintenance 2011	Do Nothing
Maintenance 2013	Crack Seal & Cover
PVMS INDICES RP 266.79 TO RP 271.00	
Ride	82.3(Good)
Rut	61.0(Good)
Alligator Cracking	98.0(Good)
Miscellaneous Cracking	92.6(Good)
Recommendations	
Construction 2011	Crack Seal & Cover
Construction 2013	Crack Seal & Cover
Maintenance 2011	Crack Seal & Cover
Maintenance 2013	Crack Seal & Cover

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Project Manager : Dustin Rouse

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PVMS INDICES RP 271.00 TO RP 278.09	
Ride	82.7(Good)
Rut	81.3(Good)
Alligator Cracking	100.0(Good)
Miscellaneous Cracking	97.8(Good)
Recommendations	
Construction 2011	Crack Seal & Cover
Construction 2013	Crack Seal & Cover
Maintenance 2011	Crack Seal & Cover
Maintenance 2013	Crack Seal & Cover

Traffic Data

Due to the nature of the project, Traffic data is not required.

Crash Analysis

Due to the nature of the project, Crash Analysis not required.

Major Design Features

Design Speed. Design speed is not applicable on this project.

Horizontal and Vertical Alignment. The horizontal and vertical alignments will be perpetuated with this project.

Typical Sections and Surfacing. Due to the nature of the project, no changes are proposed to the existing surfacing or typical sections.

Geotechnical Considerations. No Geotechnical considerations are anticipated on this project.

Hydraulics. No Hydraulic considerations are anticipated on this project.

Bridges. There are no bridges within the project limits.

Traffic. Traffic will provide pavement marking quantities. Traffic will also provide an estimate and summary for upgrading signing and delineation.

Pedestrian/Bicycle/ADA. No impacts to pedestrian facilities are anticipated.

Context Sensitive Design Issues. There are no context sensitive design issues associated with this project.

Other Projects

No other projects are associated with this project..

Design Exceptions

There are no design exceptions on this project.

Preliminary Field Review/Scope of Work Report

NH 1-3(67)256

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Right-of-Way

No R/W involvement is required on this project.

Access Control

There will be no modification to existing Access Control on this project.

Utilities/Railroads

There are no railroads facilities within the vicinity of this project.

Utilities will not be impacted with this project.

Intelligent Transportation Systems (ITS) Features

No ITS features are associated with this project.

Survey

A crack count has been requested from the District.

Public Involvement

Due to limited scope of this project, a Level A public involvement plan is appropriate. A news release will be distributed explaining the project and providing a department point of contact.

Environmental Considerations

This project meets the criteria for a Statewide Programmatic Categorical Exclusion. No apparent significant environmental concerns or issues have been identified. The environmental Checklist is attached at the end of this report.

Energy Savings/Eco-Friendly Considerations

Due to the nature of the project, extending the life of the pavement is aimed directly at minimizing the footprint on the environment. This is accomplished by effectively postponing reconstruction projects through routine maintenance such as this project.

Experimental Features

No experimental features are planned with this project.

Traffic Control

Due to the nature of the project as a mobile maintenance project, traffic will be shifted to one lane around the construction zone. Appropriate traffic control devices and signing will be used throughout the project in accordance with the *Manual on Uniform Traffic Control Devices*.

The Traffic Management Plan (TMP) will consist of a Traffic Control Plan (TCP) only.

Project Management

MDT's Helena Road Design Great Falls District will be responsible for the road design plans. The Project Design Manager will be Dustin Rouse.

This project is not under full FHWA oversight.

Preliminary Field Review/Scope of Work Report

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Project Manager : Dustin Rouse

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Preliminary Cost Estimate

	Estimated cost	Inflation (INF) (from PPMS)	TOTAL costs w/INF + IDC (from PPMS)
Road Work	719,000		
Traffic Control	40,000		
Subtotal	759,000		
Mobilization (10%)	76,000		
Subtotal	835,000		
Contingencies (8%)	67,000		
Total CN	<u>\$ 902,000</u>		<u>\$1,022,000</u>
CE (10%)	<u>\$ 90,000</u>		<u>\$102,000</u>
TOTAL CN+CE	<u>\$ 992,000</u>		<u>\$1,124,000</u>

Note: No inflation factor is used in the cost estimate as this pavement preservation project is scheduled for letting within one year. IDC is calculated at 13.35% as of FY 2011.

Ready Date

The Ready Date for this project is September 1, 2011.

The Letting Date has not been established; however, the Tentative Construction Plan (TCP) has the target Letting Date being March 12, 2012

Site Map

The project site map is attached.

Preliminary Field Review/Scope of Work Report

NH 1-3(67)256

Project Manager : Dustin Rouse

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