



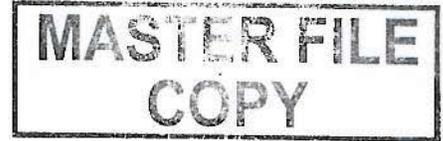
Montana Department of Transportation

2701 Prospect Avenue  
PO Box 201001  
Helena MT 59620-1001

Timothy W. Reardon, Director  
Brian Schweitzer, Governor

January 9, 2012

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  
STPS 280-1(26)5  
York Road-East  
Control Number: 7642000

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,

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
- Robert Snyder, P.E.        Road Design Area Engineer
- Kevin Christensen, P.E.    Construction Engineer
- Suzy Price                 Contract Plans Bureau Chief
- Tim Tilton                 Contract Section Supervisor
- Dawn Stratton             Fiscal Programming Section
- Montana Legislative Branch Environmental Quality Council (w/ PFR/SOW also)
- File                         Environmental Services Bureau

HB:ejt: S:\PROJECTS\GREAT-FALLS\7000-7999\7642\7642000\ENCED001.doc

**(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.: STPS 280-1(26)5 ID: \_\_\_\_\_ Project Name: YORK ROAD - EAST

Reference Post (Station) 4.617 to Reference Post (Station) 11.867

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

| IMPACTS ON THE PHYSICAL ENVIRONMENT (TO BE COMPLETED BY APPLICANT)  |   |                                     |   |
|---|---|-------------------------------------|---|
| Impact Questions  | [Y/N] There are Potential Impacts; or Item Requires Documentation, Evaluation, Mitigation Measures, and/or (a) Permit(s). |                                     |   |
|   | Yes   | No                                  | Comment (Use attachments if necessary)  |
| 1. Does the proposed action require work in, across, and/or adjacent to a listed or proposed Wild or Scenic River? (See <a href="http://www.rivers.gov/wildriverslist.html">http://www.rivers.gov/wildriverslist.html</a> )   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/> | Due to limited scope, project is not expected to impact anything outside of right-of-way. |
| 2a. Are there any listed or candidate threatened or endangered species in the vicinity of the proposed activity?  | <input type="checkbox"/>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> Unknown  |
| 2b. Will the proposed action adversely affect listed or candidate threatened or endangered species, or adversely modify critical habitat?   | <input type="checkbox"/>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> Unknown  |
| 3. Will the proposed action have potential to affect water quality? If 'Yes', an environment-related permit or authorization may be required. If 'No', go to question 4.  | <input type="checkbox"/>  | <input checked="" type="checkbox"/> |   |
| 3a. If the answer to question 3 is yes, is a Clean Water Act Section 402 permit (i.e., MPDES or NPDES permit) required? (Need for an MPDES or NPDES is generally triggered by a disturbance area equal to or greater than one acre.)  | <input type="checkbox"/>  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> N/A   |
| 3b. Is the proposed project within an MS4 Permit Area? (See <a href="http://deq.mt.gov/wqinfo/MPDES/StormWater/ms4.mcpx">http://deq.mt.gov/wqinfo/MPDES/StormWater/ms4.mcpx</a> ). (Billings, Great Falls, and Missoula Urbanized areas, and Butte, Bozeman, and Helena)  | <input type="checkbox"/>  | <input checked="" type="checkbox"/> |   |
| 4. Does the proposed project have impacts to wetlands, streams, or other water bodies? If 'No', go to question 5.   | <input type="checkbox"/>  | <input checked="" type="checkbox"/> |   |
| 4a. If the answer to question 4 is 'Yes', is a Clean Water Act Section 404 permit authorization required?   | <input type="checkbox"/>  | <input type="checkbox"/>            | <input type="checkbox"/> N/A  |
| 4b. If the answer to question 3 or 4 is 'Yes', is a Stream Protection Act 124SPA consultation required?   | <input type="checkbox"/>  | <input type="checkbox"/>            | <input type="checkbox"/> N/A  |
| 5. Are solid wastes, hazardous materials or petroleum products likely to be encountered? (For example, project occurs in or adjacent to Superfund sites, known spill areas, underground storage tanks, or abandoned mines.) (See <a href="http://nris.mt.gov/deq/remsitequery/portal.aspx">http://nris.mt.gov/deq/remsitequery/portal.aspx</a> )  | <input type="checkbox"/>  | <input checked="" type="checkbox"/> |   |
| 6. Is the proposed activity on and/or within approximately 1 mile of an Indian Reservation? If answer is 'No', go to question 7.  | <input type="checkbox"/>  | <input checked="" type="checkbox"/> |   |
| 6a. Are any Tribal water permits required?  | <input type="checkbox"/>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> N/A  |
| 7. Is the proposed project in a "Class I Air Shed" or a nonattainment area? (See <a href="http://deq.mt.gov/AirQuality/Planning/AirNonattainment.mcpx">http://deq.mt.gov/AirQuality/Planning/AirNonattainment.mcpx</a> ) (Class I Air Sheds include the Northern Cheyenne, Flathead, and Fort Peck Reservations; Glacier and Yellowstone National Parks; Anaconda-Pintlar, Bob Marshall, Cabinet Mountains, Gates of the Mountains, Medicine Lake, Mission Mountain, Red Rock Lakes, Scapegoat, Selway-Bitterroot, and U.L Bend Wilderness Areas) | <input type="checkbox"/>  | <input checked="" type="checkbox"/> |   |

**MASTER FILE COPY**

Checklist prepared by:

Robert Snyder  
Applicant

Project Design Engineer  
Title

12/19/2011  
Date

Approved by: *Wendy Bruner*  
Environmental Services

ENVIRONMENTAL ENGINEERING SECTION SUPERVISOR  
Title

1/9/12  
Click here to enter a date.  
Date

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

The Applicant is **not** authorized to proceed with the proposed work until the checklist has been reviewed and approved, as necessary, and any requested conditions of approval have been incorporated.

- A. Complete the checklist items 1 through 7, indicating "Yes" or "No" for each item. Include comments, explanations, information sources, and a description of the magnitude/importance of potential impacts in the right hand column. Attach additional and supporting information as needed. The checklist preparer, by signing, certifies the accuracy of the information provided.
- B. When "Yes" is indicated on any item, the checklist preparer must explain why and provide the appropriate documentation, evaluation, permit, and/or mitigation measures required to satisfy environmental concerns for the project. Use attachments if necessary. **Any proposed mitigation measures will become a condition of approval.**
- C. If the applicant checks "Yes" for any one item, the checklist and MDT's mitigation proposal, documentation, evaluation and/or permit shall be submitted to MDT Environmental Services Bureau. Electronic format is preferred. Contact Number 444-7228.
- D. When the applicant checks a "Yes" item, MDT cannot be authorized to proceed with the proposed work until Environmental Services Bureau reviews the information and signs the checklist.
- E. MDT will obtain all necessary permits or authorizations from other entities with jurisdiction prior to beginning the Pavement Preservation Activity.
- F. The links above are provided as a starting point for potential sources of information for completing the checklist. The Applicant is encouraged to consult Environmental Services Bureau and/or other information sources.



**Memorandum**

To: Distribution

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

Date: December 19, 2011

Subject: STPS 280-1(26)5  
York Road - East  
UPN 7642000  
Work Type 183 Resurfacing – Seal & Cover

Attached is the Preliminary Field Review Report/Scope of Work Report which was approved on 12/21/11. 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 Lesly Tribelhorn for PF Date 12/21/11

**Distribution:**

|   |  |
|---|--|
| Michael P. Johnson 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       |
| Roy Peterson, Traffic and Safety Engineer | Matt Strizich, Materials Engineer                            |
| Robert Stapley, Right-of-Way Bureau Chief | Jon Swartz, Maintenance Administrator                        |

**cc:**

|   |                                     |
|---|-------------------------------------|
| Dawn Stratton, Fiscal Programming Section         | Damian Krings, Road Design Engineer |
| Robert Snyder Project Design Manager, GF 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   | Phillip Inman, Utilities Engineering Manager                  |
| Danielle Bolan, Traffic Engineer                        | David Hoerning, R/W Engineering Manager                       |
| Ivan Ulberg, District Traffic Project Engineer          | Greg Pizzini, Acquisition Manager                             |
| Kraig McLeod, Safety Engineer                           | Joe Zody, R/W Access Management Section Manager               |
| S Brandenberger, Bridge Area Engineer, G Falls District | Paul Johnson, Project Analysis Bureau                         |
| Matt Strizich, Materials Engineer                       | Sue Sillick, Research Section Supervisor                      |
| Daniel Hill, Pavement Analysis Engineer                 | Duane Williams, Motor Carrier Services Division Administrator |
| Lee Grosch, District Geotechnical Manager               | Alice Flesch, ADA Coordinator                                 |
| Bryce Larsen, Supervisor, Photogrammetry & Survey       | Mark Keeffe, Bicycle/Pedestrian Coordinator                   |
| Marty Beatty, Engineering Information Services          | Wayne Noem, Secondary Roads Engineer                          |
| Paul Grant, Public Involvement Officer                  | Becky Duke, Traffic Data Collection Section Supervisor (WIM)  |
| Jean Riley, Planner                                     |   |

Dawn Stratton, Fiscal Programming  
Scott Bunton, Engineering Cost Analyst

Dave Hand, Maintenance Division Operations Manager (RWIS)  
Alyce Fisher, Fiscal Programming



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. **DMK**  
Road Design Engineer

Date: December 19, 2011

Subject: STPS 280-1(26)5  
York Road - East  
UPN 7642000  
Work Type 183 Resurfacing – Seal & Cover

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

Approved Lesly Tribelhorn for PF Date 12/21/11  
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

STPS 280-1(26)5

Project Manager : RJ Snyder

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### Introduction

This report was developed from information taken from the preliminary field review conducted on December 13, 2011. The following people were in attendance:

|                |                          |                   |
|----------------|--------------------------|-------------------|
| Steve Prinzing | District Preconstruction | MDT - Great Falls |
| Gerry Brown    | Construction             | MDT - Lewistown   |
| Mathew Mogstad | Road Design              | MDT - Helena      |
| Robert Snyder  | Road Design              | MDT - Helena      |
| Steve McEvoy   | Pavement Analysis        | MDT - Helena      |
| Mike Matthews  | Maintenance              | 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

- a. The project is located in Lewis & Clark County.
- b. The project in on Secondary 280.
- c. The project is functionally classified as a Major Collector.
- d. The project begins at RP 4.617 and ends at RP 11.867.
- e. The project is 7.250 miles.
- f. The start of the project is 4.6 miles east of Helena, MT
- g. The as-built project numbers are S-72(5) and DP-72(6).
- h. Project runs west to east.

### 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

- a. The project was constructed under as-built projects S-72(5) and DP-72(6) and was improved in 1981 and 2002
- b. Project surface varies from 4.8" to 7.2" PMS over 5.0" to 18.0" CAC
- c. Pavement width varies from 32.0' to 30.0' with two driving lanes and three or four foot shoulders.
- d. The recommended treatment in the Pavement Analysis Section's 2010 Pavement Conditions 2011/2013 Pavement Treatment Report is Crack Seal & Cover for both maintenance and construction activities. The indices and condition levels for the 2010 survey year are given in the following table:

## Preliminary Field Review/Scope of Work Report

STPS 280-1(26)5

Project Manager : RJ Snyder

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| PVMS INDICES RP 4.600 TO RP 8.981 |                    |
|-----------------------------------|--------------------|
| Ride                              | 80.2(Good)         |
| Rut                               | 73.5(Good)         |
| Alligator Cracking                | 99.9(Good)         |
| Miscellaneous Cracking            | 97.4(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 8.981 TO RP 11.446 |                    |
|------------------------------------|--------------------|
| Ride                               | 82.4(Good)         |
| Rut                                | 76.9(Good)         |
| Alligator Cracking                 | 100.0(Good)        |
| Miscellaneous Cracking             | 98.5(Good)         |
| Recommendations                    |                    |
| Construction 2011                  | Crack Seal & Cover |
| Construction 2013                  | Crack Seal & Cover |
| Maintenance 2011                   | Crack Seal & Cover |
| Maintenance 2013                   | Crack Seal & Cover |

- e. The general terrain of the area is rolling.
- f. The horizontal curves and vertical curves within the project limits all meet current design standards.
- g. Maximum gradient on the project is 7.0%
- h. There are no bridges within the project limits.

### Traffic Data

Due to the scope of work as a crack seal & cover project, traffic data is not required.

### Crash Analysis

Due to the scope of work as a crack seal & cover project, a crash analysis is not required

### Major Design Features

- a. **Design Speed.** Design speed is not applicable on this project.
- b. **Horizontal Alignment.** The existing horizontal alignment will be utilized throughout this project.
- c. **Vertical Alignment.** The existing vertical alignment will be utilized throughout this project.
- d. **Typical Sections and Surfacing.** Due to the nature of the project as a crack seal & cover, no changes are proposed to the existing surfacing or typical sections. Typical sections for seal & cover and details for crack sealing will be included in the plans with quantities.
- e. **Geotechnical Considerations.** No Geotechnical considerations are anticipated on this project.
- f. **Hydraulics.** No Hydraulic considerations are anticipated on this project.

## Preliminary Field Review/Scope of Work Report

STPS 280-1(26)5

Project Manager : RJ Snyder

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- g. **Bridges.** No bridge issues will be addressed with this project.
- h. **Traffic.** New pavement markings will be required.
- i. **Pedestrian/Bicycle/ADA.** No impacts to pedestrian facilities are anticipated.
- j. **Miscellaneous Features.** A liquid blotter option will be considered in place of paper blotter.
- k. **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 pavement preservation project.

### **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 railroad facilities within the vicinity of this project.

Utilities will not be impacted with this project.

### **Intelligent Transportation Systems (ITS) Features**

There are no ITS features on this pavement preservation project.

### **Survey**

An updated crack count was provided from the maintenance.

### **Public Involvement**

Due to the limited scope of the 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 the Statewide Programmatic Categorical Exclusion. No apparent significant environmental concerns or issues have been identified.

### **Energy Savings/Eco-Friendly Considerations**

No energy savings/eco-friendly considerations are planned with 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*

## Preliminary Field Review/Scope of Work Report

STPS 280-1(26)5

Project Manager : RJ Snyder

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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 RJ Snyder. This project is not under full FHWA oversight.

### Preliminary Cost Estimate

|                    | Estimated cost          | Inflation (INF)<br>(from PPMS) | TOTAL costs<br>w/INF + IDC<br>(from PPMS) |
|--------------------|-------------------------|--------------------------------|---|
| Road Work          | \$255,000               |                                |   |
| New Structure      |                         |                                |   |
| Remove Structure   |                         |                                |   |
| Detour             |                         |                                |   |
| Traffic Control    | \$25,000                |                                |   |
| <b>Subtotal</b>    | <b>\$280,000</b>        |                                |   |
| Mobilization (10%) | \$28,000                |                                |   |
| <b>Subtotal</b>    | <b>\$308,000</b>        |                                |   |
| Contingencies (5%) | \$16,000                |                                |   |
| <b>Total CN</b>    | <b><u>\$324,000</u></b> | <b><u>\$3,100</u></b>          | <b><u>\$ 359,000</u></b>                  |
| <b>CE (10%)</b>    | <b><u>\$32,000</u></b>  | <b><u>\$300</u></b>            | <b><u>\$ 35,500</u></b>                   |
| <b>TOTAL CN+CE</b> | <b><u>\$356,000</u></b> | <b><u>\$ 3,400</u></b>         | <b><u>\$ 394,500</u></b>                  |

Note: Inflation is calculated in PPMS to the letting date. If there is no letting date, the project is assumed to be inside the current TCP and is given a maximum of 5 years until letting. IDC is calculated at 9.64% as of FY 2012.

### Ready Date

The Ready Date for this project is January 26, 2012. The Letting Date for this project is April 26, 2012.

### Site Map

The project site map is attached.

Preliminary Field Review/Scope of Work Report

STPS 280-1(26)5

Project Manager : RJ Snyder

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FEDERAL AID PROJECT STPS 280-1(27)5  
CRACK SEAL, SEAL AND COVER  
YORK ROAD - EAST  
LEWIS & CLARK COUNTY

7.25

