



Montana Department of Transportation

2701 Prospect Avenue  
PO Box 201001  
Helena MT 59620-1001

Jim Lynch, Director  
Brian Schweitzer, Governor

May 20, 2005

**RECEIVED**

MAY 25 2005

ENVIRONMENTAL QUALITY COUNCIL  
Capitol Station  
Helena, MT 59620

LEGISLATIVE ENVIRONMENTAL  
POLICY OFFICE

Subject: Statewide Pavement Preservation Projects Concurrence

SFCS 284-1(3)0  
JCT US 122 - North  
CN 5533  
127

The Environmental Services Bureau of the Montana Department of Transportation has reviewed the Preliminary Field Review/Scope of Work Report and the Environmental Checklist for Pavement Preservation Projects. We have determined that the Statewide PCE for these types of projects would cover this project.

I have attached the Preliminary Field Review/Scope of Work Report, Checklist and the location map for your information.

If you have any questions concerning this letter, please contact me at 444-0456.

Thomas L. Hansen, P.E.  
Engineering Section Supervisor  
Environmental Services Bureau

Attachments:

tlh:s:\5533ENPCE-Pave Pres EQC Cover Ltr.doc

copies: Jeff Ebert, P.E. – Butte District Engineer  
Jean A. Riley, P.E. – Environmental Services  
Loran Frazier, P.E. - Engineering Division  
Paul Ferry, P.E. - Highway Engineer  
Mark Wissinger, P.E. - Construction  
Jeff Patten. - FHWA  
Suzy Althof - Contract Plans  
Dave Jensen - Fiscal Planning  
File

(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.: 5533000 ID: SFCS 284-1(3)0 Project Name: Jct US 12-North

Reference Post (Station) 0 to Reference Post (Station) 8.8

Applicants Name: MT DOT Address: 2701 Prospect Ave. Helena, MT 59620

Type of Proposed Pavement Preservation Activity: Seal and Cover, Pavement Markings

Table with 2 main columns: Impact Questions and [Y/N] There are Potential Impacts; or Item Requires Documentation, Evaluation, Mitigation Measures, and/or (a) Permit(s). Rows include questions about river impacts, species, water quality, wetlands, hazardous waste, and Indian Reservations.

8. Magnitude and significance of potential impacts: To be completed by applicant. The proposed project does not have any potential impacts, and the Statewide Programmatic Categorical Exclusion for Pavement Preservation projects is the appropriate Environmental Document for the proposed work.

Checklist prepared by:

Signature and title information for Jim Davies (Applicant) and Environmental Engineering Section Supervisor (Approved by).

(when items 1, 2, 3, 3a, 4, 4a, 4b, 5, 6, 6a, or 7 are checked "Yes")

- A. The applicant shall complete the checklist indicating a "Yes" or "No" for each item, except number 8 which may require a narrative response.
- B. When a "Yes" is indicated on any number of items 1 through 7, MDT 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.
- 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. 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 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.

Montana's Wild and/or Scenic Rivers system as published by the U.S. DEPARTMENT OF AGRICULTURE (USDA), or the U.S. DEPARTMENT OF THE INTERIOR (DOI)

- 1. Middle Fork of the Flathead River (headwaters to South Fork of the Flathead River confluence)
- 2. North Fork of the Flathead River (Canadian Border to Middle Fork of the Flathead River confluence)
- 3. South Fork of the Flathead River (headwaters to Hungry Horse Reservoir)
- 4. Missouri River (Fort Benton to Charles M. Russell National Wildlife Refuge)



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

**Memorandum**

To: Paul Ferry, P. E.  
Highways Engineer

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

Date: April 27, 2005

Subject: **SFCS 284-1(3)0**  
**Jct US 12-North**  
**CN 5533000**  
**Work Type 183**

**This is a combined Preliminary Field Review & Scope of Work Report**

We request that you approve the Preliminary Field Review/Scope of Work Report for the subject project.

Approved *Paul Ferry* Date 5/2/05  
*for* Paul Ferry, P.E.  
Highways Engineer

We are requesting comments from the following individuals, who have also received a copy of the Report. We will assume their concurrences if no comments are received by two weeks from the above, signed date. **The report is also being distributed under a separate cover as a Scope of Work Report for comments and approval.**

Distribution:

P. Ferry, Highways	P. A. Jomini, Safety	J. A. Walther, Engineering
Damian Krings, Road Design	B. A. Larsen, Survey	R. Jackson, Geotechnical
M. A. Goodman, Hydraulics	Susan Rowell, Proj. Mngmnt	Susan Sillick, Research
Danielle Bolan, Traffic	B. F. Juvan, Proj. Mngmnt	

cc: D. W. Jensen, Fiscal Programming  
Highways File

DMK:kjg:5533000rdpfrsow.doc

## Combined Preliminary Field Review And Scope of Work Report

A preliminary field review was held April 26, 2005 for this project. The following attended:

Jim Davies, P. E., Project Design Manager-Helena  
Kevin Gilbert, P. E., Road Design-Helena  
Ed Shea, Pavement Management-Helena  
Wayne Noem, Planning-Helena

### Scope of Work

This project has been nominated as scheduled maintenance resurfacing. The scope of work is to seal and cover (type 1) the roadway surface, and will be designed by Helena Road Design-Butte District. The project is 94.73 % in the Great Falls District and 5.27% in the Butte District. The funding split is in the Cost Estimate section of this report on page 4. This project will be developed in English units.

### Project Location and Limits

- Location: Jefferson and Lewis and Clark Counties, on State Secondary Route 284, in the following townships, ranges, and sections:
  - Jefferson  
T 9 N, R 2 W, section 1
  - Lewis and Clark  
T 9 N, R 2 W, section 1  
T 10 N, R 1 W, sections 4, 8, 9, 17, 18, 19, 30, 31  
T 10 N, R 2 W, sections 13, 24, 25, 36
- Begin: RP 0, junction of N-8/US 12 and S 284, English as-built station 0+00.00 on RTS 284-1(1), 1995
- End: RP 8.803, west side of the Canyon Ferry Dam, English as-built station 460+77.7 on RTS 284-1(1), 1995
- Length: 8.8± miles

See map at the end of this report. County line is at RP 0.464.

### Physical Characteristics

1. Surfacing width is 24 ft.
2. Existing Geometrics: The terrain is rolling. Functional Classification: major collector. The horizontal and vertical alignments will be perpetuated for this project.
3. PvMS Index Numbers & Recommended Treatment for 2005:

<u>Section</u>	<u>Ride</u>	<u>Rut</u>	<u>ACI</u>	<u>MCI</u>	<u>Construction</u>	<u>Maintenance</u>
RP 0.000 to RP 0.464	75.8	78.6	100.0	100.0	Crack Seal & Cover	Crack Seal & Cover
RP 0.464 to RP 8.803	69.1	71.2	99.7	99.9	Thin Overlay	Thin Overlay

Seal and Cover was the agreed treatment for this section of roadway by the field review team. No crack sealing is needed at this time. The cracks have been sealed.

### Traffic Data

As this is a seal and cover, pavement preservation project, the traffic data is not applicable.

**Accident History**

As this is a seal and cover, pavement preservation project, the accident history is not applicable.

**Major Design Features:**

Design Speed

50 mph.

Horizontal and Vertical Alignments

Both the horizontal and vertical alignments will remain as-is on this project.

Typical Sections

The seal and cover (type I) will be placed the full width of the typical section.

Guardrail

The existing guardrail has optional terminal sections. The guardrail on the Helena Valley Canal Bridge has blunt ends and does not meet standards. This bridge guardrail will not be upgraded with this seal and cover project.

Rumble Strips

There are no rumble strips.

Geotechnical Considerations

No geotechnical considerations are anticipated on this project.

Hydraulics

No hydraulic considerations are anticipated on this project.

Bridges

There is a bridge over the Helena Valley Canal. The bridge deck has plant mix pavement on it and will receive the seal and cover treatment. The bridge guardrail has blunt ends and does not meet current standards. The bridge guardrail will not be upgraded with this seal and cover project.

Traffic

The existing pavement marking layout will be used to re-stripe the roadway.

As-Built Road Plans

RTS 284-1(1), 1995, No as-builts were found.

S 6(3), 1958

**Design Exceptions**

No design exceptions are required for this project.

**Right-of-Way**

No new right-of-way will be required for this project.

**Utilities/Railroads**

There are overhead and underground utilities, but as this is a seal and cover project there will be no

utility involvement.

There is no railroad within the limits of this project.

**Environmental Considerations**

A programmatic categorical exclusion environmental checklist has been approved for this project. If situations are observed during construction that may potentially impact water quality, including wetland areas, utilize Best Management Practices (BMP) and/or temporary erosion control measures as necessary to protect the resource. Refer to Section 208 of the MDT Detailed Drawings (2002 English edition) for erosion and sediment control Best Management Practices. The installation of temporary erosion control measures will be paid as "Miscellaneous Work." No water quality permits are anticipated at this time.

Environmental will provide any necessary environmental related special provisions.

**Traffic Control**

A traffic control plan will be developed as the design of the project progresses. Traffic will be maintained during construction activities throughout the project.

Appropriate traffic control devices and signing will be used throughout the project in accordance with the *Manual of Uniform Traffic Control Devices*.

**Survey**

No survey is anticipated for this pavement preservation project. If survey is needed it will be performed by Helena Road Design.

**Public Involvement**

A news release to the appropriate newspapers explaining the project and including a point of contact will be produced. This will be Level A public involvement.

**Cost Estimate**

<u>Butte District: Jefferson County (5.27%)</u>	<u>Great Falls District: Lewis and Clark County (94.73%)</u>
Estimated CN Cost: \$13,280	\$238,720
Estimated CE Cost: \$ 1,330	\$ 23,870
Cost: \$14,610	\$262,590

Total estimate is \$277,200.

This cost estimate does not include indirect costs.

**Ready Date**

The proposed ready date for this project is for construction in 2006.

