



Montana Department of Transportation

Jim Lynch, Director

Brian Schweitzer, Governor

2701 Prospect Avenue  
PO Box 201001  
Helena, MT 59620-1001

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June 21, 2005

JUN 23 2005

**LEGISLATIVE ENVIRONMENTAL  
POLICY OFFICE**

Carl James  
Federal Highway Administration (FHWA)  
2880 Skyway Drive  
Helena MT 59602

Subject: Statewide Pavement Preservation Projects Concurrence  
**NH 57-1(4)0**  
**BELT – SOUTHEAST**  
**CN 5768000**

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, location map, and the Environmental Checklist for Pavement Preservation Projects.

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:tgg: S:\PROJECTS\GREAT-FALLS\5768000\5768ENCSPFHW01.DOC

copies: Michael P. Johnson - District Administrator-Great Falls  
Jean A. Riley, P.E. – Environmental Services  
Loran Frazier, P.E. - Chief Engineer  
Paul Ferry, P.E. - Highway Engineer  
Mark Wissinger, P.E. - Construction  
Suzy Althof - Contract Plans  
Dave Jensen - Fiscal Planning  
✓ Environmental Quality Council  
Bob Seliskar - FHWA  
File

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

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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 57-1(4)0 ID: UPN 5768000 Project Name: Belt – Southeast

Reference Post (Station) RP 0.0 to Reference Post (Station) RP 7.1

Applicants Name: Montana Department of Transportation Address: PO Box 201001, Helena, MT 59620-1001

Type of Proposed Pavement Preservation Activity: Work Type 185 Resurfacing – Crack Sealing

**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 or List Documentation, Evaluation, Mitigation Measure, and/or (a) Permit(s) Required for Items 1 through 7.(Use attachments if necessary)
1. Does the proposed action require work in, across, and/or adjacent to a river which is a component of, or proposed for inclusion in Montana's Wild and/or Scenic Rivers system. (See listing on page 3)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Are there any recorded occurrences, and/or critical habitat for Federally-listed Threatened and Endangered Species in the vicinity of the proposed activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None-Anticipated
3. Does the proposed action have an impact on water quality? If answer is NO go to question 4.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3a. If the answer to number 3 is yes, is a Clean Water Act ' Section 402 permit required? (MPDES issued by MDEQ)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
4. Does the proposed project have impacts to wetlands or waters of the U.S.? If answer is NO go to question 5.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4a. If the answer to number 4 is yes, is a Clean Water Act ' 404 permit authorization required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
4b. If the answer to number 3 or 4 is yes, is a Stream Protection Act ' 124SPA permit required? (Issued by MDFWP)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A
5. Does the proposed project involve hazardous waste site[s]? (Superfund, spills, underground storage tanks, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None Anticipated
6. Is the proposed activity on and/or within approximately 1.6 Km (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 type="checkbox"/>	<input checked="" type="checkbox"/> N/A
7. Is the proposed project in a "Class I Air Shed" (Some Indian Reservations)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A

8. Magnitude and significance of potential impacts: To be completed by applicant.

Checklist prepared by: Jere Stoner Area Engineer May 25, 2005  
Applicant Title Date

Approved by: [Signature] ENVIRONMENTAL ENGINEERING 6/21/05'  
Environmental Services SECTION SUPERVISOR Date

(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 (USDol)**

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 R. Ferry, P.E.  
Highways Engineer

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

Date: May 25, 2005

Subject: NH 57-1(4)0  
Belt – Southeast  
UPN 5768000  
Work Type 185: Resurfacing – Crack Sealing

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

Approved *Paul R. Ferry* Date 5/26/05  
*For* Paul R. Ferry, P.E.  
Highways Engineer

We are requesting comments from those on the distribution list. We will assume their concurrences if no comments are received within **two weeks** of the approval date.

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

DMK:JJS:CM:KO:server:5768000RDSOW001.DOC

Distribution: (all with attachment)

Jim Walther, Engineering  
Ivan Ulberg, Traffic & Safety  
Mark Goodman, Hydraulics  
Pierre Jomini, Safety Mgmt.  
Sue Rowell, E.I.S.S.  
Greg Pizzini, Access Management-R/W  
Dan Bisom, Traffic Data & Collection - Planning  
Highways File

Jere Stoner, Road Design  
Bret Boundy, Geotechnical  
Dave Jensen, Fiscal Programming  
Walt Scott, Utilities  
Alice Flesch, Acting ADA Coord.  
Pamela Langve-Davis, Bicycle & Peds  
Drew Livesay, M.C.S.



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

### Preliminary Field Review/Scope of Work

NH 57-1(4)0  
Belt – Southeast  
UPN 5768000

#### **I. Introduction**

This report was developed from information taken from the preliminary field review conducted on April 28<sup>th</sup>, 2005 with the following personnel in attendance:

Steve Prinzing	Engineering Services Engineer	MDT - Great Falls
Christie McOmber	Projects Engineer	MDT - Great Falls
Jeania Cereck	Design Supervisor	MDT - Great Falls
Keri O'Reilly	Road Design	MDT - Great Falls
Jere Stoner	Area Engineer	MDT - Helena
Mary Gayle Padmos	Surfacing Design	MDT - Helena
Tom Gocksch	Environmental Services	MDT - Helena

#### **II. Proposed Scope of Work:**

- A. This project is nominated as a crack seal.
- B. The existing horizontal and vertical alignment will be used throughout the project.
- C. The project was originally nominated for \$45,500. The cost of the proposed project is estimated to be \$39,953. This figure was determined by utilizing calculated quantities and Average Bid prices. The estimate includes mobilization (10%), traffic control, construction engineering (10%), and contingency (5%).

#### **III. Project Location and Limits:**

- A. This project is located in Cascade County on Primary Route 57 beginning at MP 0.00 and proceeds easterly for approximately 7.19 miles ending at MP 7.06.
- B. The Mile Posts have been measured using a distance meter from a recorded point of origin from the Road Log, and may not match the image viewer.

#### **IV. Physical Characteristics:**

- A. The P.T.W. traverses level/rolling terrain and is used primarily for farm and range land.
- B. The following table identifies the as-built projects and construction activities

prior to this project:

MP to MP	As-Built Project	Year	Activity
0.000 – 0.132	F 64(8)	1955	PMS/Grade/Gravel
0.132 – 5.301	F 235(26)	1960	PMS/Grade/Gravel
5.301 – 7.061	F 235(27)	1961	PMS/Grade/Gravel
0.000 – 0.391	RTF 60-2(15)71	1986	Plant Mix Surfacing
0.391 – 7.061	RTF – HES 57-1(3)1	1987	Plant Mix Surfacing

The F 64(8) as-built project shows that the existing surfacing from MP 0.00 to MP 0.13 consists of 8" compacted S.B.B.C., 3" compacted top course and 2" compacted road mix bituminous surfacing.

The F 235(26) as-built project shows that the existing surfacing from MP 0.13 to MP 5.30 consists of 1.25' compacted S.B.B.C. (crushed), 0.15' compacted top course, 0.25' compacted plant mix bituminous surfacing (2 lifts).

The F 235(27) as-built project shows that the existing surfacing from MP 5.30 to MP 7.06 consists of 1.45' compacted crush base surfacing – Type "A" (sandstone), 0.15' compacted top course, 0.25' compacted plant mix bituminous surfacing (2 lifts).

The RTF 60-2(15)71 as-built project shows that the existing surfacing from MP 0.00 to MP 0.39 consists of 0.25' plant mix bituminous surfacing (2 lifts).

The RTF – HES 57-1(3)1 as-built project shows that the existing surfacing from MP 0.39 to MP 7.06 consists of 0.25' plant mix bituminous surfacing (2 lifts).

- C. The existing horizontal and vertical alignments meet current design standards for a preventative maintenance treatment.
- D. **PVMS Data:** The following year 2004 indices for the roadway are listed in the PVMS database:

**RP 0.00 TO RP 7.06**

**M AC Crack Seal & Cover**

PVMS INDICES	
Ride	73.5 (Fair)
Rut	77.5 (Fair)
Alligator Cracking	97.8 (Good)
Miscellaneous Cracking	98.5 (Good)

Although the recommended treatment is to do a seal & cover with the crack

sealing, the review team did not believe that a seal & cover would extend the life of the project area due to the limited amount of existing minor cracking.

**V. Traffic Data :**

Due to the nature of this project, Traffic Data will not be needed.

**VI. Accident History:**

Due to the nature of this project, Accident Data will not be needed.

**VII. Major Design Features:**

**A. Design Speed:**

Design speed is not an applicable design criterion since this project is a preventative maintenance treatment.

**B. Alignment:**

The existing horizontal and vertical alignments are adequate for a preventative maintenance treatment.

**C. Typical Section:**

Due to the nature of this project, existing surface widths will not be altered.

**D. Surfacing Design:**

1. Due to the nature of this project, no surfacing design was requested.
2. Milling will not be required on this project.
3. No leveling course will be used on this project.

**E. Slope Design:**

1. The existing surfacing in-slopes will not be altered. There will be no disturbance to slopes outside of the existing finish top surface.
2. No shoulder gravel will be used on this project.

**F. Grading:**

There is no grading involved with this project.

**G. Hydraulics:**

Due to the nature of this project, hydraulic considerations will not be addressed.

**H. Geotechnical Considerations:**

Due to the nature of this project, Geotechnical recommendations are not necessary.

**I. Bridges:**

There are nine structures listed in the Bridge Log within the limits of the project. They are located at the following mileposts: 0.39, 0.67, 1.02, 1.50, 1.90, 2.21, 2.55, 3.09, and 3.61. All nine structures cross Otter Creek. Since the project is only a crack seal, no guardrail upgrades will be made on this project.

**J. Traffic and Safety:**

No pavement markings, signing or rumble strips are proposed on this project.

**K. Safety Enhancements:**

1. No trends or clusters were identified that require a safety upgrade.
2. Guardrail ends will not be addressed on this project.
3. No revisions to existing fill slopes or clear zone encroachments will be made.

**VIII. Design Exceptions:**

No design exceptions are anticipated for this project.

**IX. Right-of-Way:**

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

**X. Utilities/Railroad:**

- A. Due to the nature of this project, no utility involvement is anticipated.
- B. There is a BNSF railroad that runs parallel to the roadway throughout the project; however, no involvement with the railroad is anticipated.

**XI. Environmental Considerations:**

No apparent significant environmental concerns or issues were identified. We believe the project meets the criteria for the Programmatic Agreement as a Categorical Exclusion. The appropriate environmental documentation will be provided in order to comply with NEPA regulations.

**XII. Traffic Control:**

Traffic will be maintained throughout the project during construction with the appropriate signing, flagging, etc. All signing will be in accordance with the Manual on Uniform Traffic Control Devices.

**XIII. Public Involvement:**

Paul R. Ferry, P.E.

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May 25, 2005

There will be a news release in the local newspaper .

**XIV. Ready Date**

The current ready date for the project is July 1, 2005.

**FEDERAL AID PROJECT NO. NH 57-1(4)0**  
**WORK TYPE 185 RESURFACING - CRACK SEAL**  
**BELT - SOUTHEAST**  
**CASCADE COUNTY**

**UPN 5768000**  
**7.1 Miles**

R. 7 E.

