



Montana Department of Transportation

2701 Prospect Avenue
PO Box 201001
Helena MT 59620-1001

Jim Lynch, Director
Brian Schweitzer, Governor

July 19, 2005

RECEIVED

JUL 21 2005

**MASTER FILE
COPY**

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

LEGISLATIVE ENVIRONMENTAL
POLICY OFFICE

Subject: Statewide Pavement Preservation Projects Concurrence

STPU 5220(3)
Fox Farm Rd – South of Alder Dr - GTF
CN 4748

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:tg: S:\PROJECTS\GREAT-FALLS\4748\4748ENCSPFW01(PAVEPRES).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
- 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.: STPU 5220(3) ID: UPN 4748 Project Name: Fox Farm Rd – So of Alder Dr – GTF

Reference Post (Station) RP 0.10+/- to Reference Post (Station) RP 1.29+/-

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

Type of Proposed Pavement Preservation Activity: Work Type 183 Resurfacing – 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
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 July 13, 2005
Applicant Title Date

Approved by:  ENVIRONMENTAL ENGINEERING SECTION SUPERVISOR 7/19/05
Title Date

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

- 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: July 13, 2005

Subject: STPU 5220(3)
Fox Farm Rd. – So. of Alder Dr. - GTF
UPN 4748
Work Type 183 Resurfacing – Seal & Cover

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

Approved *Paul R. Ferry* Date *July 15, 2005*
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 **one week** of the approval date.

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

DMK:JJS:CM:server:4748RDSOWCOV.DOC

Distribution (all w/ attachment)

Jim Walther, Engineering
Ivan Ulberg, Traffic & Safety
Mark Goodman, Hydraulics
Pierre Jomini, Safety Management
Ben Juvan, E.I.S.S.
Greg Pizzini, R/W - Access Management
Drew Livesay, M.C.S.

Jere Stoner, Road Design
Bret Boundy, Geotechnical
Dave Jensen, Fiscal Programming
Walt Scott, Utilities
Alice Flesch, Acting ADA Coordinator
Pamela Langve-Davis, Bicycle & Peds.
Highways File

City of Great Falls
Attn: Jim Rearden, Public Works Director
P.O. Box 5021
Great Falls, MT. 59403-5021

City of Great Falls
Attn: Dave Dobbs, City Engineer
1025 25th Ave NE
P.O. Box 5021
Great Falls, MT. 59403-5021



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

PRELIMINARY FIELD REVIEW/SCOPE OF WORK REPORT

STPU 5220(3)

Fox Farm Rd - So of Alder Dr - GTF

UPN 4748

I. Proposed Scope of Work:

- A. This project is nominated as a preventative maintenance seal & cover. The intent is to seal & cover the existing roadway and apply new pavement markings.
- B. The existing horizontal and vertical alignment will be used throughout the project.
- C. As per the construction administration agreement, the project development will be done and paid for by the City of Great Falls. The City will also let and administer the construction contract.
- D. MDT has \$8,000.00 budgeted for costs associated with project development, plan review, and construction bid package review. The Great Falls District will assign a project monitor to oversee the City and assure federal compliance. Project monitor costs will be charged to the project.
- E. The project does not currently have an obligated letting date in the Red Book. However, due to the current need for the project, the City is striving for a summer 2005 letting date.

II. Project Location and Limits:

This project is located on Urban Route 5220 in Great Falls, Cascade County. The project begins at RP 0.10 and proceeds south on Fox Farm Road for approximately 1.2 miles to RP 1.29. The beginning and end of the project correspond with the end of the PCCP on Fox Farm Road and the Great Falls city limits, respectively.

III. Physical Characteristics:

- A. The P.T.W. traverses level terrain, which is used primarily for urban housing and businesses. A school and a park are also located adjacent to the project.
- B. Curb and gutter exists within the limits of the project, with some areas also having sidewalk. Crosswalks are located at RP's 0.12, 0.40, 0.63 and 0.99.
- C. The existing roadway was constructed in 1945 under a city construction

contract. The roadway from Alder Drive to Park Garden Road was reconstructed in 1970 as part of a storm drainage upgrade. This was done under S.I.D. 1147. The roadway from Park Garden Road to the city limits was reconstructed in 1995 and was completed under S.I.D. 1210.

D. The existing horizontal alignment is mostly tangent, with the exception of a curve at RP 0.15. The existing vertical alignment consists of gentle grades with relatively long vertical curves.

E. The following table identifies the existing surfacing composition:

Segment	Bituminous Surface Depth	Base Depth
R.P. 0.000 to R.P. 0.727	1.00'	0.50'
R.P. 0.727 to R.P. 1.287	0.75'	0

F. **PVMS Data:** The City of Great Falls supplied updated PVMS data for this route, which was collected in April of 2005. The following table represents the latest information available:

Condition Category	Index
Distress	71.39
Ride	85.00
Surface Friction	80.00
Overall Condition Index	76.22

IV. Traffic Data:

A formal request for traffic data will not be submitted for this project. The AADT according to the Road Log is as follows:

Segment	AAADT
RP 0.000 to RP 0.727	13670
RP 0.727 to RP 1.287	5810

V. Accident History:

An accident analysis was not performed due to the limited scope of the project.

VI. Major Design Features:

A. Design Speed:

Design speed is not an applicable design criterion since this project is a preventative maintenance seal & cover.

B. Alignment:

The existing horizontal and vertical alignments are adequate for a preventative maintenance seal & cover. No changes to the alignments are planned.

C. Typical Section:

The existing width (46') of the pavement will be maintained.

D. Surfacing Design:

1. Due to the nature of this project, no surfacing design will be requested. Milling is not required on this project.
2. **The city will provide crack repair and minor pavement improvements in advance of the project. This work is scheduled for early summer.**

E. Slope Design:

Due to the presence of curb and gutter throughout the project, there are no existing surfacing in-slopes to be considered.

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 no bridges within the project limits.

J. Traffic/Safety Enhancements:

1. New pavement markings will be provided.
2. There are no "blunt end" guardrail sections on this project.
3. No revisions to existing fill slopes or clear zone encroachments will be made.

K. Sidewalk/ADA

1. Where sidewalk does not currently exist it will be installed under the active project, CM 5299(49) 2001 SIDEWALK PROG.-GTF throughout the project.
2. ADA ramps are located at most intersections and will also be

installed under the above project.

3. Considering the Guidelines for Nomination and Development of Pavement Projects and the scope of the project, no work to the sidewalk or ADA ramps is planned.

VII. Design Exceptions:

The design exception process does not apply to pavement preservation projects.

VIII. Right-of-Way:

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

IX. Utilities/Railroad:

- A. Due to the nature of this project, no utility involvement is anticipated.
- B. There is no railroad involvement on this project.

X. Environmental Considerations:

- A. No apparent significant environmental issues were identified. We believe the project meets the criteria for the Programmatic Agreement as a Categorical Exclusion.
- B. The Environmental Checklist for Pavement Preservation Projects is attached.

XI. Traffic Control:

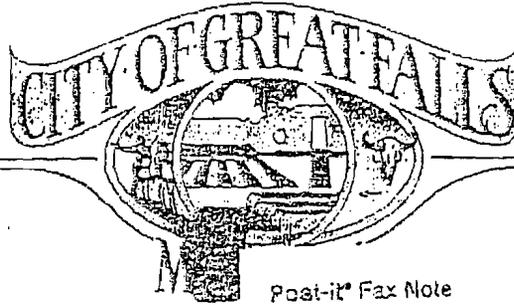
Traffic will be maintained throughout the project during construction with the appropriate signing, flagging, etc. All signing will be in accordance with the Manual on Uniform Traffic Control Devices.

XII. Public Involvement:

Due to the limited scope of the project, a level "A" public involvement plan should suffice. This will include a news release to the local media.

XIII. Cost Estimate:

See attached estimate in the letter from the City of Great Falls.



P.O. Box 5021, 59403-5021

July 8, 2005

Christie McOmber
 Montana Department of Transportation
 Great Falls District Office
 200 Smelter Ave N.E.
 Great Falls, MT 59403

Post-it® Fax Note 7871

Date	# of pages 1/2
To: <i>Dere Stone</i>	From: <i>C. McOmber</i>
Co./Dept.	Co.
Phone #	Phone #
Fax #	Fax #

RE: 2nd Version of Updated Cost Estimates – FAU Route 5220 Fox Farm Road

Dear Christie:

Hopefully this letter provides the necessary information needed by you to continue proceeding with project progress (release of PFR to Helena). Our cost estimates are based on recent city chip seal projects and direct contractor inquiries. Bid prices will be higher than the average district prices because of the smaller quantities being bid. Updated construction costs estimates are as follows:

	MDT No.	Quantity	Item	Unit	Unit Bid Price	Amount Bid
1	402 400 000	4,300	Crack Fill	LF	1.50	6,450
2	301 445 010	31,850	Cover Type 2	SY	.92	29,302
3	402 225 000	54	Emulsified Asphalt CRS-2P	Ton	230	12,420
4	618 010 000	3,000	Traffic Control Devices CB	Units	1.00	3,000
5	620 010 000	6.0	Striping White Paint	Gal.	18.93	114
6	620 020 000	42.0	Striping Yellow Paint	Gal.	18.93	795
7	620 030 000	.17	Striping Words & Symbols White Paint	Gal.	87.06	15
8	620 110 000	8.0	Striping White Epoxy	Gal.	208.18	1,666
9	620 120 000	56.0	Striping Yellow Epoxy	Gal.	208.18	11,658
10	620 130 000	.21	Striping Words & Symbols White Epoxy	Gal.	208.18	44
11	109 200 000	1	Mobilization	L.S.	2,500	2,500
12	104 100 000	2,500	Miscellaneous Field Work or Material	Units	1.00	2,500
TOTAL BID SCHEDULE ITEMS #1 through #12						70,788

State (86.58%)	\$61,288.25
Local (13.42%)	\$9,499.75

If you have any questions, please call at 771-1258.

Sincerely,



Kurt Depner
Public Works Department

cc: Dave Dobbs, City Engineer
Marty Basta, Operations Branch Chief
Ben Rangel, Planning Director
O.F. 1251

