



Montana Department of Transportation

2701 Prospect Avenue
PO Box 201001
Helena MT 59620-1001

Jim Lynch, Director
Brian Schweitzer, Governor

July 8, 2005

ENVIRONMENTAL QUALITY COUNCIL
Capitol Station
Helena, MT 59620

RECEIVED

JUL 13 2005

Subject: Statewide Pavement Preservation Projects Concurrence
SFCS 214-1(2)6
NORTH OF SANTA RITA - NORTH
CN 5772000

LEGISLATIVE ENVIRONMENTAL
POLICY OFFICE

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.

The following special provision will be included in this project:

- Protection of Wetland Areas and Other Drainages

I have attached the Preliminary Field Review/Scope of Work Report, location map, Environmental Checklist for Pavement Preservation Projects, and the special provision listed above.

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\5572ENPCE EQC COVER.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
Bob Seliskar - FHWA
File



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

MASTER FILE
COPY

RECEIVED

JUN 28 2005

Memorandum

To: Jean A. Riley, P.E.
Chief - Environmental Services Bureau

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

Date: June 24, 2005

Subject: SFCS 214-1(2)6
North of Santa Rita - North
UPN 5772000
Work Type 181 Resurfacing - Asphalt (Thin Lift <= 0.2')

ENVIRONMENTAL

The Preliminary Field Review/Scope of Work Report is attached. The project meets the criteria for the Statewide Programmatic Categorical Exclusion for pavement preservation projects. The environmental checklist is also attached.

Please process the appropriate environmental documentation. If you need additional information, contact Jere Stoner at 444-6229.

PRF.WMS:server:5772000RDCSP002.DOC

Attachments

cc:
Paul Ferry
Tom Hansen
Highways 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.: SFCS 214-1(2)6 ID: UPN 5772000 Project Name: North of Santa Rita – North

Reference Post (Station) RP 5.94+/- to Reference Post (Station) RP 13.50+/-

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

Type of Proposed Pavement Preservation Activity: Work Type 181 Resurfacing – Asphalt (Thin Lift <= 0.2')

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).		Comment or List Documentation, Evaluation, Mitigation Measure, and/or (a) Permit(s) Required for Items 1 through 7.(Use attachments if necessary)
	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 <i>PS-7/7</i>
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 Project Design Manager June 24, 2005
Applicant Title Date

Approved by:  ENVIRONMENTAL ENGINEERING SECTION SUPERVISOR *7/8/05'*
Environmental Services Title 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: *for* Damian M. Krings, P.E. *WMS*
 Road Design Engineer

Date: June 24, 2005

Subject: SFCS 214-1(2)6
 North of Santa Rita - North
 UPN 5772000
 Work Type 181 Resurfacing – Asphalt (Thin Lift<=0.2')(Scheduled Maintenance)

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

Approved *Paul R. Ferry* Date 6/24/05
 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 also being distributed under a separate cover as a Scope of Work Report for comments and approval.

DMK:JJS:LJD:server:5772000RDPFRSOW.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

Glacier County Commissioners
 512 East Main St.
 Cut Bank, MT 59427-3016



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

Preliminary Field Review/Scope of Work Report

SFCS 214-1(2)6
North of Santa Rita - North
UPN 5772000

I. Introduction

This report was developed from information taken from the preliminary field review conducted on March 9, 2005 with the following personnel in attendance:

Steve Prinzing	Engineering	MDT-Great Falls
Leonard Dueck	Road Design	MDT-Helena
Mike Langenfus	Road Design	MDT-Helena
Jere Stoner	Road Design, P.M.	MDT-Helena
Christie McOmber	Engineering	MDT-Great Falls
Ed Shea	Surfacing Design	MDT-Helena
Dave Wollan	Maintenance	MDT-Shelby
Don Weaver	Maintenance	MDT-Cut Bank

II. Proposed Scope of Work:

- A. This project is nominated as a preventative maintenance overlay. The intent is to overlay the existing roadway with 0.20' of plant mix bituminous surfacing (Grade S), and apply a seal and cover.
- B. The plans for the proposed project will be in English units. The existing horizontal and vertical alignment will be used throughout the project.
- C. The current ready date of the project is July 2005. A cost breakdown is provided on the last page of the report.

III. Project Location and Limits:

- A. This project is located in Glacier County on Secondary 214. It begins at RP 5.94, and proceeds north for approximately 7.6 miles, to RP 13.50.
- B. The project will be constructed and quantities computed using as-built stationing. The equivalent stations are 707+45.0 to 1106+60.2.

IV. Physical Characteristics:

- A. The functional classification is a rural collector. The P.T.W. traverses rolling terrain and the land adjacent to the project primarily consists of farm and rangeland.
- B. The existing roadway was constructed in 1965 under S-316(11). The surfacing consists of 0.20' plant mix bituminous surfacing, 0.15' of

compacted top surfacing, 0.50' of compacted crushed base surfacing, and 0.50' to 1.00' of compacted select special surfacing. The width of the existing finished surface is 30 feet.

- C. Both horizontal and vertical alignments meet minimum standards for 50 mph design with the exception of two horizontal curves. According to as-built plans, the curves at stations 1028+56.2 and 1059+95.6 have radii that meet minimum standards for 50 mph. However, the superelevations for the two curves only meet standards for 45 mph.
- D. **PvMS Data:** The recommended treatment in the Pavement Analysis Section's 2003 Pavement Conditions/2004 Pavement Treatment Report is AC Minor Rehabilitation for construction and AC Reactive Maintenance for maintenance activities. The indices and condition levels for the 2003 survey year are given in the following table:

PVMS INDICES	
Ride	47 (Poor)
Rut	56.4 (Fair)
Alligator Cracking	88.4 (Good)
Miscellaneous Cracking	75.5 (Fair)

Note – The 2004 survey year data shows virtually the same indices in each category except for miscellaneous cracking, which has a rating of 95.9. On the field review, there did not appear to be any recent work performed on the roadway to create an improvement in this category.

V. Traffic Data:

The traffic data as provided by the Traffic Data and Collection Section is as follows:

2005 ADT	200 (Present)
2006 ADT	210 (Letting Date)
2026 ADT	250 (Future)
DHV	40
T	17.5%
ESAL	21
AGR	1.0%

VI. Accident History:

- A. A computer accident analysis was conducted for the project. The analysis was performed on S-214 from RP 5.94 to RP 13.5 for the ten-year period from October 1st 1994 to September 30th 2004. The following table shows how the data in the study area compared to the statewide averages:

	Statewide Average for Rural State Secondary	Study Area
All Vehicles Accident Rate:	1.73	0.57
All Vehicles Severity Index:	2.39	3.33
All Vehicle Severity Rate:	4.16	1.90
Truck Accidents	1	
Total Recorded Accidents	3	

- B. **Variations from Average Occurrences:** There was insufficient accident history for comparison to statewide average occurrences.
- C. **Accident Clusters Or Safety Projects:** There were no accident clusters identified and no safety projects within the 10-year study period from 1994 to 2004.
- D. **Remarks:** There were a total of three accidents in this section. None of the accidents were fatal injury accidents.

VII. Major Design Features:

A. Design Speed:

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

B. Alignment:

The existing horizontal and vertical alignments are adequate for a preventative maintenance overlay. Due to the limited scope of the project, no changes are proposed.

C. Typical Section:

The minimum roadway width for a rural collector is 24 feet. Since the existing roadway is 30' wide, the proposed scope allows the overlay to be placed on top of the existing surface, maximizing the finished top width at 27.8', preserving the original 5:1 pavement inslope, and reducing the need for shoulder work.

D. Surfacing Design:

1. Due to the nature of this project, no surfacing design was requested.
2. Milling is required on the connections to the P.T.W.
3. Although not much rutting was observed, a leveling course, not to exceed 25% of the plant mix overlay quantity, is proposed for the project to correct irregularities in the surface.
4. The removed cold milled material will be utilized within the vicinity of the milled areas on public approaches as a surface dressing to correct surface irregularities.

5. A 3' plant mix apron will be placed on all adjacent approaches.

E. Slope Design:

Generally, the existing surfacing in-slopes will not be altered. Overlay in-slopes of 5:1 will be used on top of the existing roadway surface. There will be no disturbance to slopes outside of the existing surfacing section.

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 located within the project.

J. Traffic and Safety:

New pavement markings will be required for the project. No signing or delineation is planned.

K. Safety Enhancements:

1. No trends or clusters were identified that require a safety upgrade.
2. No guardrail exists on the project.

VIII. Design Exceptions:

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

IX. Right-of-Way:

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

X. Utilities/Railroad:

- A. No utility involvement is anticipated for this overlay project.
- B. There are no railroads in the vicinity of the project.

XI. Environmental Considerations:

No apparent significant environmental issues have been 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 MEPA 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:

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.

XIV. Cost Estimate:

Roadwork	\$ 640,830
Subtotal	\$ 640,830
Mobilization (10%)	\$ 64,080
Subtotal	\$ 704,910
Traffic Control (5%)	\$ 35,250
Contingency (5%)	\$ 35,250
Subtotal	\$ 775,410
Inflation (3% per year for 1 year)	\$ 23,260
Construction Total	\$ 798,670
Construction Engineering (10%)	\$ 79,870
Total Project Estimate	\$ 878,540

SFCS 214-1(2)6

WORK TYPE: 180 RESURFACING- ASPHALT THIN LIFT

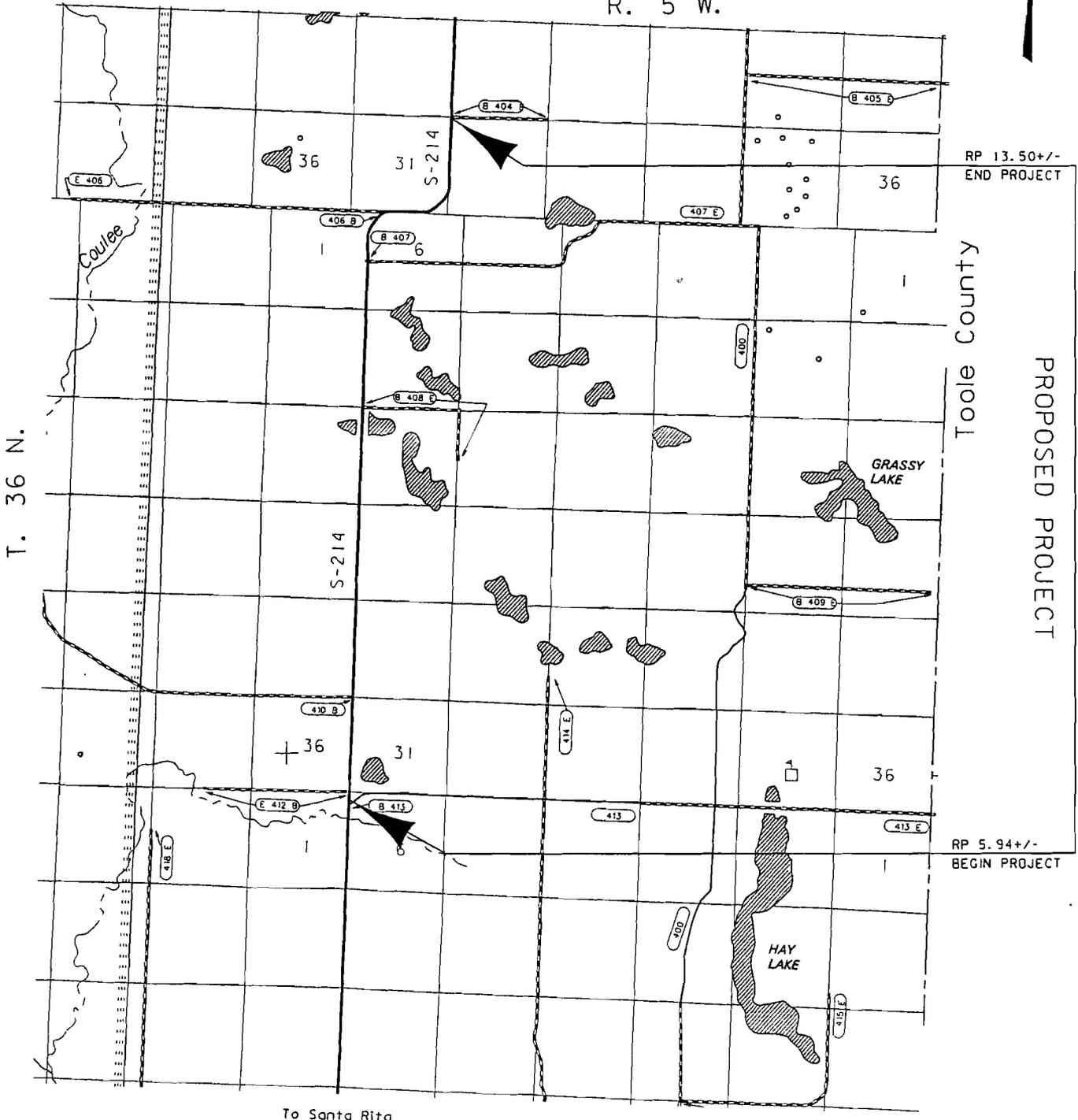
NORTH OF SANTA RITA - NORTH
GLACIER COUNTY

UPN 5772

R. 6 W.

7.6 mi

R. 5 W.



1. PROTECTION OF WETLAND AREAS AND OTHER DRAINAGES

Impacts to any and all wetland areas and other drainages, including spring drainages, located adjacent to the project are not anticipated in association with this project. MDT has NOT acquired any water quality permits, including a Clean Water Act Section 404 permit, a Stream Protection Authorization 124 permit, or a 318 Authorization permit. Therefore, impacts to any and all wetland areas and other drainages, including spring drainages, located adjacent to the project are not permitted. Avoid all equipment traffic, fill material, staging activities and other disturbances to the wetland areas and other drainages. 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 (2004 metric edition) for Erosion and Sediment Control Best Management Practices.

Install Temporary Erosion Control measures as deemed necessary by the Engineer. Payment to be determined using the Erosion and Sediment Control rate schedule and paid under Miscellaneous Work.

If complete avoidance of all impacts to these areas is not possible, contact the District Biologist at 444-9438 or the Construction Permit Coordinator at 444-7648, so that the proper permits can be secured prior to working in these areas. Any impacts to these areas and associated consequences, without the proper permitting, are the responsibility of the Contractor.

