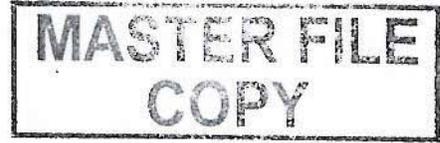




January 12, 2012

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 534-1(5)27
Conrad-West
Control Number: 7644000

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 |
| Heidy 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 |
| Nicole Pallister | Fiscal Programming Section Supervisor |
| Tom Erving | 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\7644\7644000ENCED001.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 Number: STPS 534-1(5)27 **Control No** 7644000 **Project Name:** Conrad - West
Reference Post (Station): 26.909 **To Reference Post (Station):** 27.896
Applicant's Name: Montana Department of Transportation **Address:** PO Box 201001; Helena, MT 59620-1001
Type of Proposed Pavement Preservation Activity: Project 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	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 http://www.rivers.gov/wildriverslist.html)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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"/>	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"/>	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 http://deg.mt.gov/wqinfo/MPDES/StormWater/ms4.mcp.x). (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 checked="" 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 checked="" 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 http://nris.mt.gov/deg/remsitequery/portal.aspx)	<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 type="checkbox"/>	<input checked="" type="checkbox"/> N/A
7. Is the proposed project in a "Class I Air Shed" or a nonattainment area? (See http://deg.mt.gov/AirQuality/Planning/AirNonattainment.mcp.x) (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:

RJ Snyder
Applicant

Project Design Engineer

12/18/2011

Approved by: *[Signature]*
Environmental Services

ENVIRONMENTAL ENGINEER
SECTION SUPERVISOR

1/13/12
Click here to enter a date.
Date

Title

Date



Memorandum

To: Distribution

From: Paul Ferry P.E.
 Highways Engineer

Date: 12/19/11

Subject: **STPS 534-1(5)27**
Conrad West
7644000
Project Work Type: 183 – Resurfacing – Seal & Cover

Attached is the Preliminary Field Review Report/Scope of Work Report which was approved on 12/30/11. 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 _____ Date _____

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 | Master file |
| R.J. Snyder, Project Design Manager, G.F. District | |
| Damian Krings, Road Design Engineer | |

E-copies:

- | | |
|---|---|
| Jim Walther, Engineering, Preconstruction Engineer | Jake Goettle, Construction Bureau – VA Engineer |
| Lesly Tribelhorn, Highways Design Engineer | Steve Prinzing, District Preconstruction |
| Mark Goodman, Hydraulics Engineer | Christie McOmer, District Projects Engineer |
| Kurt Marcoux, District Hydraulics Engineer | Stanley Kuntz, G.F. District Materials Lab |
| Bonnie Gundrum, Env. Resources Section Supervisor | Tony Strainer, G.F. District Maintenance Chief |
| Paul Sturm, G.F. District Biologist | Phillip Inman, Utilities Engineering Manager |
| Eric Thunstrum, District Project Development Engineer | David Hoerning, R/W Engineering Manager |
| Danielle Bolan, Traffic Engineer | Greg Pizzini, Acquisition Manager |
| James Combs, District Traffic Project Engineer | Joe Zody, R/W Access Management Section Manager |
| Kraig McLeod, Safety Engineer | Paul Johnson, Project Analysis Bureau |
| Stephanie Brandenberger, Bridge Area Engineer, Great Falls District | Sue Sillick, Research Section Supervisor |
| Matt Strizich, Materials Engineer | Wayne Noem, Secondary Roads Engineer |
| Daniel Hill, Pavement Analysis Engineer | Alyce Fisher, Fiscal Programming |
| Lee Grosch, District Geotechnical Manager | Jean Riley, Planner |
| Bryce Larsen, Supervisor, Photogrammetry & Survey | Dawn Stratton, Fiscal Programming |
| Marty Beatty, Engineering Information Services | Scott Bunton, Engineering Cost Analyst |
| Paul Grant, Public Involvement Officer | |



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

Memorandum

To: Paul Ferry, P.E.
Highways Engineer

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

Date: 12/19/2011

Subject: **STPS 534-1(5)27**
Conrad West
7644000
Project Work Type: 183 - Seal & Cover

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

Approved Paul Ferry P. E. Date 12/30/11
Paul 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

Preliminary Field Review/Scope of Work Report

STPS 534-1(5)27 Conrad West
Project Manager: RJ Snyder

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Introduction

A field review was conducted on December 7, 2011 with the following personnel in attendance:

Steve Prinzing	District Preconstruction Manager	Preconstruction - G.F.
RJ Snyder	Design Project Manager	Road Design – Helena
Chuck Nemfakos	Designer	Road Design – Helena
Jake McNeely	Civil Engineering Specialist	Great Falls Construction
Steve McEvoy	Pavement Analysis	Materials - Helena
Jim Cornell	Signing	Traffic – Helena
James Aakre	Section Supervisor	Maintenance-Conrad

Proposed Scope of Work

The proposed project was nominated as a 2012 pavement preservation project. The following is the proposed scope of work.

- Crack sealing from R.P. 26.909 to R.P. 27.896
- Seal and cover from R.P. 26.909 to R.P. 27.896
- New pavement markings

Purpose and Need

The purpose and need of this project is to extend the life of the asphalt pavement and improve the safety and operational characteristics of the roadway.

Project Location and Limits

The project is located in Pondera County on Secondary Route 534 from RP 26.909 to RP 27.896. The route is functionally classified as a major rural collector. The project begins at the intersection of Secondary 534(4th Ave. South) and Highway 91(S. Main St.), and continues west through Conrad ending at the intersection of Secondary 534(Conrad Dupuyer Road) and Airport Road (the eastern entrance). The length of the project is 0.987 miles. Reference posts increase from west to east. As-built stationing increases from east to west.

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 Transportation Management Plan (TMP), consisting mainly of a Traffic Control Plan (TCP). These issues are discussed in more detail under the Traffic Control and Public Involvement sections.

Physical Characteristics

- a. This PTW traverses rolling terrain in a rural area transitioning into a predominantly urban area.
- b. The adjacent land is used primarily for residential and agricultural use with some commercial use at the east end of the project.
- c. The PTW is a 2-lane road with an existing pavement width of 49 feet.

Preliminary Field Review/Scope of Work Report

STPS 534-1(5)27 Conrad West
Project Manager: RJ Snyder

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d. Reconstruct/Rehab history data:

Ref Marker	Corridor Accum Mile	Section Length	Reconstruct Year	Improve Year	Last Project	Surf Type	Surf (in.)	Base (in.)
26.854	26.854	0.155	1977	1992	RTS 534-1(3)	PMS	4.8	16.0
027+0.011	27.009	0.741	1977	1992	RTS 534-1(3)	PMS	4.8	16.0
027+0.752	27.750	0.144	1964	1992	RTS 534-1(3)	PMS	4.8	16.0
027+0.896	27.894							

e. PvMS Data:

Beg MP	End MP	Pave Width	Ride Index	Rut Index	Alligator Cracking Index	Misc. Cracking Index
26.85	27.821	25	67.1 (Fair)	72.9 (Good)	94.8 (Good)	96.5 (Good)

f. PvMS Treatment Reports:

Beg MP	End MP	Construction 2011	Construction 2013	Maintenance 2011	Maintenance 2013
26.85	27.821	C_AC Thin Overlay	C_AC Thin Overlay	M_AC Thin Overlay	M_AC Thin Overlay

Traffic Data

Due to the scope of the project traffic data will not be required.

Crash Analysis

Due to the scope of the project a crash analysis will not be required.

Major Design Features

- a. **Design Speed.** Design speed is not applicable on this project.
- b. **Geometrics.** Due to the scope of the project the existing horizontal and vertical alignment will be used as is.
- c. **Typical Sections and Surfacing.** There are no proposed changes to the typical section with this pavement preservation project
- d. **Geotechnical Considerations.** No geotechnical issues will be addressed with this project.
- e. **Hydraulics.** No hydraulics issues will be addressed with this project.
- f. **Bridges.** There are no bridges that lie within this project.
- g. **Traffic.** New pavement markings will be required.
- h. **Pedestrian/Bicycle/ADA.** Existing pedestrian or bicycle facilities will not be impacted with this project.
- i. **Miscellaneous Features.** There are no guardrail improvements planned for this project. Rumble strips will be perpetuated on this project.
- j. **Context Sensitive Design Issues.** There are no Context Sensitive Design issues on this

Preliminary Field Review/Scope of Work Report

STPS 534-1(5)27 Conrad West
Project Manager: RJ Snyder

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project.

Other Projects

Currently there are no other projects planned adjacent to this project.

Location Hydraulics Study Report

An LHSR will not be required for this project.

Design Exceptions

No design exceptions are anticipated for this project.

Right-of-Way

There is no right-of-way involvement for this project.

Access Control

Access control will not be required for this project.

Utilities/Railroads

There is no anticipated railroad or utility involvement with this project.

Intelligent Transportation Systems (ITS) Features

There are no known ITS solutions that should be designed with this project. There are no WIM sites located on the proposed project.

Survey

Survey will not be required for this project.

Public Involvement

Due to limited scope of this 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

No apparent significant environmental impacts 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 by Environmental Services in order to comply with applicable regulations.

Energy Savings/Eco-Friendly Considerations

Due to the nature of the project, extending the life of the pavement is aimed directly at minimizing the footprint on the environment. This is accomplished by effectively postponing reconstruction projects through routine maintenance such as this project.

Experimental Features

No experimental features are planned with this project.

Traffic Control

A Traffic Management Plan (TMP) will consist of a Traffic Control Plan (TCP). 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.

Preliminary Field Review/Scope of Work Report

STPS 534-1(5)27 Conrad West
Project Manager: RJ Snyder

Page 5 of 6

Project Management

MDT's Helena Road Design Great Falls Area will be responsible for the road design plans. The Project Design Manager will be RJ Snyder.

Preliminary Cost Estimate

The current cost estimate is:

	Estimated cost	Inflation (INF) (from PPMS)	TOTAL costs w/INF + IDC (from PPMS)
Road Work	\$59,728		
Traffic Control	\$10,000		
Subtotal	\$69,728		
Mobilization (10%)	\$6,979		
Subtotal	76,701		
Contingencies (8%)	6,136		
Total CN	<u>\$82,837</u>	<u>\$788</u>	<u>\$ 91,686</u>
CE (10%)	<u>\$8,284</u>	<u>\$78</u>	<u>\$ 9,168</u>
TOTAL CN+CE	<u>\$91,121</u>	<u>\$ 866</u>	<u>\$ 101,136</u>

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 project ready date is January 26, 2012 to meet the anticipated letting date of April 26, 2012.

Preliminary Field Review/Scope of Work Report

STPS 534-1(5)27 Conrad West
Project Manager: RJ Snyder

Site Map

The project site map is attached.

