January 12, 2012

Alan Woodmansey, P.E.
Great Falls and Billings District 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,

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

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

<table>
<thead>
<tr>
<th>Impact Questions</th>
<th>[YIN] There are Potential Impacts, or Item Requires Documentation, Evaluation, Mitigation Measures, and/or (a) Permit(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does the proposed action require work in, across, and/or adjacent to a listed or proposed Wild or Scenic River? (See <a href="http://www.rivers.gov/wildriverslist.html">http://www.rivers.gov/wildriverslist.html</a>)</td>
<td>Yes ☐ No ☑ Comment (Use attachments if necessary)</td>
</tr>
<tr>
<td>2a. Are there any listed or candidate threatened or endangered species in the vicinity of the proposed activity?</td>
<td>Yes ☐ No ☑ Unknown</td>
</tr>
<tr>
<td>2b. Will the proposed action adversely affect listed or candidate threatened or endangered species, or adversely modify critical habitat?</td>
<td>Yes ☐ No ☐ Unknown</td>
</tr>
<tr>
<td>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.</td>
<td>Yes ☑ No ☐</td>
</tr>
<tr>
<td>3a. If the answer to question 3 is yes, is a Clean Water Act Section 402 permit (i.e., NPDES or NPDES permit) required? (Need for an NPDES or NPDES is generally triggered by a disturbance area equal to or greater than one acre.)</td>
<td>Yes ☐ No ☐ N/A</td>
</tr>
<tr>
<td>3b. Is the proposed project within an MS4 Permit Area? (See <a href="http://deq.mt.gov/wqinfo/NPDES/StormWater/m64_mcro">http://deq.mt.gov/wqinfo/NPDES/StormWater/m64_mcro</a>)</td>
<td>Yes ☐ No ☑</td>
</tr>
<tr>
<td>4. Does the proposed project have impacts to wetlands, streams, or other water bodies? If 'No', go to question 5.</td>
<td>Yes ☐ No ☑</td>
</tr>
<tr>
<td>4a. If the answer to question 4 is 'Yes', is a Clean Water Act Section 404 permit authorization required?</td>
<td>Yes ☐ No ☑ N/A</td>
</tr>
<tr>
<td>4b. If the answer to question 3 or 4 is 'Yes', is a Stream Protection Act 124SPA consultation required?</td>
<td>Yes ☐ No ☑ N/A</td>
</tr>
<tr>
<td>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 <a href="http://lnis.mt.gov/deq/m64/queryportal.aspx">http://lnis.mt.gov/deq/m64/queryportal.aspx</a>)</td>
<td>Yes ☑ No ☐</td>
</tr>
<tr>
<td>6. Is the proposed activity on and/or within approximately 1 mile of an Indian Reservation? If answer is 'No', go to question 7.</td>
<td>Yes ☑ No ☐</td>
</tr>
<tr>
<td>6a. Are any Tribal water permits required?</td>
<td>Yes ☑ No ☐</td>
</tr>
<tr>
<td>7. Is the proposed project in a &quot;Class I Air Shed&quot; or a nonattainment area? (See <a href="http://deq.mt.gov/AirQuality/Planning/AirNonattainment.macro">http://deq.mt.gov/AirQuality/Planning/AirNonattainment.macro</a>)</td>
<td>Yes ☑ No ☑</td>
</tr>
</tbody>
</table>

Checklist prepared by:          Project Design Engineer   Date: 12/18/2011
RJ Snyder              ENVIRONMENTAL ENGINEER
Applicant                Title                  1/3/12
Approved by:   Environmental Services Title
Section Supervisor   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
Kent Barnes, Bridge Engineer
Paul Ferry, Highways Engineer
Roy Peterson, Traffic and Safety Engineer
Robert Stapley, Right-of-Way Bureau Chief
Tom Martin, Environmental Services Bureau Chief
Lynn Zanto, Rail, Transit, & Planning Division Administrator
Jake Goettle, Construction Engineering Services Bureau
Matt Strizich, Materials Engineer
Jon Swartz, Maintenance Administrator

cc:
Dawn Stratton, Fiscal Programming Section
R.J. Snyder, Project Design Manager, G.F. District
Damian Krings, Road Design Engineer

E-copies:
Jim Walther, Engineering, Preconstruction Engineer
Lesly Tribelhorn, Highways Design Engineer
Mark Goodman, Hydraulics Engineer
Kurt Marcoux, District Hydraulics Engineer
Bonnie Gundrum, Env. Resources Section Supervisor
Paul Sturm, G.F. District Biologist
Eric Thunstrum, District Project Development Engineer
Danielle Bolan, Traffic Engineer
James Combs, District Traffic Project Engineer
Kraig McLeod, Safety Engineer
Stephanie Brandenberger, Bridge Area Engineer, Great Falls District
Matt Strizich, Materials Engineer
Daniel Hill, Pavement Analysis Engineer
Lee Grosch, District Geotechnical Manager
Bryce Larsen, Supervisor, Photogrammetry & Survey
Marty Beatty, Engineering Information Services
Paul Grant, Public Involvement Officer

R.J. Snyder, Project Design Manager, G.F. District
Dawn Stratton, Fiscal Programming Section

Wayne Noem, Secondary Roads Engineer
Alyce Fisher, Fiscal Programming
Jean Riley, Planner
Dawn Stratton, Fiscal Programming
Scott Bunton, Engineering Cost Analyst

REV 11/15/2011
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 ___________________________ Date _____________
    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
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.
d. Reconstruct/Rehab history data:

<table>
<thead>
<tr>
<th>Ref Marker</th>
<th>Corridor Accum Mile</th>
<th>Section Length</th>
<th>Reconstruct Year</th>
<th>Improve Year</th>
<th>Last Project</th>
<th>Surf Type</th>
<th>Surf (in.)</th>
<th>Base (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>027+0.011</td>
<td>27.009</td>
<td>0.741</td>
<td>1977</td>
<td>1992</td>
<td>RTS 534-1(3)</td>
<td>PMS</td>
<td>4.8</td>
<td>16.0</td>
</tr>
<tr>
<td>027+0.752</td>
<td>27.750</td>
<td>0.144</td>
<td>1964</td>
<td>1992</td>
<td>RTS 534-1(3)</td>
<td>PMS</td>
<td>4.8</td>
<td>16.0</td>
</tr>
<tr>
<td>027+0.896</td>
<td>27.894</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

e. PvMS Data:

<table>
<thead>
<tr>
<th>Beg MP</th>
<th>End MP</th>
<th>Pave Width</th>
<th>Ride Index</th>
<th>Rut Index</th>
<th>Alligator Cracking Index</th>
<th>Misc. Cracking Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>26.85</td>
<td>27.821</td>
<td>25</td>
<td>67.1 (Fair)</td>
<td>72.9 (Good)</td>
<td>94.8 (Good)</td>
<td>96.5 (Good)</td>
</tr>
</tbody>
</table>

f. PvMS Treatment Reports:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>26.85</td>
<td>27.821</td>
<td>C_AC Thin Overlay</td>
<td>C_AC Thin Overlay</td>
<td>M_AC Thin Overlay</td>
<td>M_AC Thin Overlay</td>
</tr>
</tbody>
</table>

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
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.
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:

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

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.
Site Map
The project site map is attached.