



Montana Department of Transportation

2701 Prospect Avenue
PO Box 201001
Helena MT 59620-1001

Jim Lynch, Director
Brian Schweitzer, Governor

June 23, 2010

Kevin McLaury
Division Administrator
Federal Highway Administration
585 Shepard Way
Helena MT 59601



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ENVIRONMENTAL

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FHWA
MONTANA DIVISION

**Subject: Programmatic Categorical Exclusion (PCE) Concurrence Request
STPS 464-1(11)24
Duck Lake Road
Control Number: 6966000**

Dear Kevin McLaury:

This submittal requests approval of the above-mentioned proposed project as a Categorical Exclusion under the provisions of 23 CFR 771.117(d) and the Programmatic Agreement as signed by MDT and FHWA on April 12, 2001. This proposed action also qualifies as a Categorical Exclusion under ARM 18.2.261 (MCA 75-1-103 and MCA 75-1-201).

The following form provides documentation required to demonstrate that all of the conditions are satisfied to qualify for a Programmatic Categorical Exclusion. A copy of the Preliminary Field Review Report, dated September 21, 2009, and a project location map are attached. In the following form, "N/A" indicates not applicable; "UNK" indicates unknown.

NOTE: A response in a large box will require additional documentation for a Categorical Exclusion request in accordance with 23 CFR 771.117(d).

	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>UNK</u>
1. This proposed project would have (a) significant environmental impact(s) as defined under 23 CFR 771.117(a).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. This proposed project involves (an) unusual circumstance(s) as described under 23 CFR 771.117(b).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. This proposed project involves one (or more) of the following situations where				
A. Right-of-way, easements and/or construction permits would be required.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. The context or degree of the right-of-way action would have (a) substantial social, economic, or environmental effect(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. A high rate of residential growth exists in the area of the proposed project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. A high rate of commercial growth exists in the area of the proposed project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Work would be on and/or within approximately 1.6 kilometers (1± mile) of an Indian Reservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>UNK</u>
5. Parks, recreational, or other properties acquired/improved under Section 6(f) of the 1965 National Land & Water Conservation Fund Act (16 USC 460L, <i>et seq.</i>) are on or adjacent to the proposed project area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The use of such Section 6(f) sites would be documented and compensated with the appropriate agencies (MDFWP, local entities, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Sites either on, or eligible for the National Register of Historic Places with concurrence in determination of eligibility or effect under Section 106 of the National Historic Preservation Act (16 USC 470, <i>et seq.</i>) by the State Historic Preservation Office (SHPO) would be affected by this proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Parks, recreation sites, school grounds, wildlife refuges, historic sites, historic bridges, or irrigation that might be considered under Section 4(f) of the 1966 US Department Of Transportation Act (49 USC 303) are on or adjacent to the project area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. The proposed project would not impact the site(s), so a 4(f) evaluation is not necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. A de minimis finding has been secured for this project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Nationwide Programmatic Section 4(f) Evaluation forms for those sites are attached.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. This proposed project requires a full Section 4(f) Evaluation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B. The activity would involve work in a streambed, wetland, and/or other water body (ies) considered as "waters of the United States" or similar (e.g., "state waters").	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. Conditions set forth in Section 10 of the Rivers and Harbors Act (33 USC 403) and/or Section 404 of the Clean Water Act (33 USC 1251-1376) codified at 33 CFR 320-330 would be met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Impacts in wetlands, including but not limited to those referenced under Executive Order (EO) #11990, and proposed mitigation would be coordinated with the US Army Corps of Engineers and other Resource Agencies (Federal, State, and Tribal) as required for permitting.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. A 124SPA would be obtained from the MDFWP.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. A delineated floodplain exists in the proposed project area under FEMA's Floodplain Management criteria.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The water surface at the 100-year flood limit elevation would exceed floodplain management criteria due to an encroachment by the proposed project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. A Tribal Water Permit would be required.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Work would be required in, across, and/or adjacent to a river that is a component of, or proposed for inclusion in Montana's Wild and/or Scenic Rivers system as published by the US Department of Agriculture, or the US Department of the Interior.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>UNK</u>
The designated National Wild and/or Scenic River systems in Montana are:				
a. Middle Fork of the Flathead River (headwaters to South Fork confluence).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. North Fork of the Flathead River (Canadian Border to Middle Fork confluence).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. South Fork of the Flathead River (headwaters to Hungry Horse Reservoir).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Missouri River (Fort Benton to Charles M. Russell National Wildlife Refuge).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In accordance with Section 7 of the Wild and Scenic Rivers Act (16 USC 1271 – 1287), this work would be coordinated and documented with either the Flathead National Forest (Flathead River), or US Bureau of Land Management (Missouri River).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C. This is a "Type I" action as defined under 23 CFR 772.5(h), which typically consists of highway construction on a new location or the physical alteration of an existing route which substantially changes its horizontal or vertical alignments or increases the number of through-traffic lanes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. If yes, are there potential noise impacts?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. A Noise Analysis would be completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. There would be compliance with the provisions of both 23 CFR 772 for FHWA's Noise Impact analyses and MDT's Noise Policy.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Substantial changes in access control would be associated with the proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, would they result in extensive economic and/or social impacts on the affected locations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
E. The use of a temporary road, detour, or ramp closure having the following conditions when the action(s) associated with such facilities:				
1. Provisions would be made for access by local traffic, and be posted for same.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Adverse effects to through-traffic dependant businesses would be avoided or minimized.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Interference to local events would be minimized to all possible extent.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Substantial controversy associated with this pending action would be avoided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Hazardous wastes /substances, as defined by the US Environmental Protection Agency (EPA) and/or the Montana Department of Environmental Quality (MDEQ), and/or (a) listed "Superfund" (under CERCLA or CECRA) site(s) are currently on and/or adjacent to this proposed project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<u>Yes</u>	<u>No</u>	<u>N/A</u>	<u>UNK</u>
All reasonable measures would be taken to avoid and/or minimize substantial impacts from same.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
G. The Stormwater Discharge conditions (ARM 17.30.1101-1117), including temporary erosion control features for construction would be met.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. Permanent desirable vegetation with an approved seeding mixture would be established on exposed areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Documentation of an invasive species review to comply with both EO #13112 and the County Noxious Weed Control Act (7-22-2152, MCA), including directions as specified by the county(ies) wherein its intended work would be done would be conducted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. There are "Prime" or "Prime if Irrigated" Farmlands designated by the Natural Resources Conservation Service on or adjacent to the proposed project area. If the proposed work would affect Important Farmlands, then an AD 1006 Farmland Conversion Impact Rating form would be completed in accordance with the Farmland Protection Policy Act (7 USC 4201, <i>et seq.</i>).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. Features for the Americans with Disabilities Act (PL 101 336) compliance would be included.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
L. A written Public Involvement Plan would be completed in accordance with MDT's Public Involvement Handbook.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. This proposed project complies with the Clean Air Act's Section 176(c) (42 USC 7521(a), as amended) under the provisions of 40 CFR 81.327 as it is either in a Montana air quality:				
A. "Unclassifiable"/attainment area. This proposed project is not covered under the EPA's September 15, 1997 Final Rule on air quality conformity. and/or	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. "Nonattainment" area. However, this type of proposed project is either exempted from the conformity determination requirements (under EPA's September 15, 1997 Final Rule), or a conformity determination would be documented in coordination with the responsible agencies (Metropolitan Planning Organizations, MDEQ Air Quality Division, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C. Is this proposed project in a "Class I Air Shed" under 40 CFR 52.1382(c)(3)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Federally listed Threatened or Endangered (T/E) Species:				
A. Recorded occurrences, and/or critical habitat are in the vicinity of the proposed project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Would this proposed project result in a "jeopardy" opinion (under 50 CFR 402) from the Fish and Wildlife Service on any Federally listed T/E Species?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The proposed project would not induce significant land use changes, nor promote unplanned growth. No significant effects on access to adjacent property or to present traffic patterns would occur.

This proposed project would not create disproportionately high and/or adverse impacts on the health or environment of minority and/or low-income populations (EO #12898). The project also complies with the provisions of Title VI of the Civil Rights Act of 1964 (42 USC 2000d) under FHWA regulations (23 CFR 200).

In accordance with the provisions of 23 CFR 771.117(a), this pending action would not cause significant individual, secondary, or cumulative environmental impacts. FHWA concurrence that this proposed project is properly classified as a Categorical Exclusion is requested.

Eric Thunstrom Date: 6/23/10
Eric Thunstrom
Environmental Services Bureau
Great Falls District Project Development Engineer

Heidy Bruner Date: 6/23/10
Concur Heidy Bruner, P.E.
Environmental Services Bureau
Engineering Section Supervisor

[Signature] Date: 28 June 2010
Concur [Signature]
Federal Highway Administration

Attachment

copies without attachment:

- | | |
|----------------------|--|
| Tom Martin, P.E. | Environmental Services Bureau Chief |
| Heidy Bruner, P.E. | Environmental Services Bureau Engineering Section Supervisor |
| Michael P. Johnson | Great Falls District Administrator |
| Kent Barnes, P.E. | Bridge Engineer |
| Paul Ferry, P.E. | Highways Engineer |
| Rob Stapley | Right-of-Way Bureau Chief |
| David W. Jensen | Fiscal Programming Section Supervisor |
| Dustin Rouse, P.E. | Road Design Area Engineer |
| Suzy Price | Contract Plans Bureau Chief |
| Steve Prinzing, P.E. | Great Falls District Engineering Services Supervisor |
| Stacy Hill, P.E. | Great Falls District Environmental Engineering Specialist |
| Walt Scott | Right-of-Way Bureau Utilities Section |

copies with attachment:

- | | |
|--|-------------------------------|
| File | Environmental Services Bureau |
| Montana Legislative Branch Environmental Quality Council (EQC) | |

MDT attempts to provide accommodation for any known disability that may interfere with a person participating in any service, program or activity of the Department. Alternative accessible formats of this information will be provided upon request. For further information, call 406.444.7228 or TTY (800.335.7592) or call Montana Relay at 711.



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

Memorandum

To: Distribution

From: Paul R. Ferry, PE[PRF]
Highways Engineer

Date: September 21, 2009

Subject: STPS 464-1(11)21
Duck Lake Road
UPN 6966000
180 ~ Resurfacing ~ Asphalt, Seal & Cover

Attached is the Preliminary Field Review Report/Scope of Work Report which was approved on [10/6/09](#). 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 Chief Engineer for approval.

I recommend approval:

Approved _____ Date _____

Distribution:

Michael P. Johnson, District Administrator
Kent Barnes, Bridge Engineer
Tom Martin, Environmental Services Bureau Chief
Duane Williams, Traffic and Safety Engineer
John Horton, Right-of-Way Bureau Chief

Lynn Zanto, Rail, Transit, & Planning Division Administrator
Jake Goettle, Construction Engineering Services Bureau
Matt Strizich, Materials Engineer
Jon Swartz, Maintenance Administrator
Paul Ferry, Highways Engineer

cc:

Dave Jensen, Fiscal Programming Section Supervisor
Damian Krings, Road Design Engineer
Dustin Rouse, Project Design Manager
Highways File

Don White, Blackfeet Tribal Planning Department, PO Box 850,
Browning, MT 59417-0850
Glacier County Commissioners, 512 E Main Street, Cut Bank,
MT 59427

e-copies:

Jim Walther, Preconstruction Engineer
Lesly Tribelhorn, Highways Design Engineer
Mark Goodman, Hydraulics Engineer
Kurt Marcoux, District Hydraulics Engineer
Bonnie Gundrum, Env. Resources Section Supervisor
Paul Sturm, District Biologist
Eric Thunstrom, G.F. District Environmental Eng.
Danielle Bolan, Traffic Engineer
Ivan Ulberg, G.F. District Traffic Project Engineer
Pierre Jomini, Safety Management Engineer
Doug Wilmot, G.F. District Construction Engineer
Jon Watson, Pavement Engineer
Lee Grosch, District Geotechnical Manager
Bryce Larsen, Supervisor, Photogrammetry & Survey
Marty Beatty, Engineering Information Services
Paul Grant, Public Involvement Officer
Jean Riley, Planner

Jake Goettle, Construction Bureau – VA Engineer
Steve Prinzing, District Preconstruction
Christie McOmber, District Projects Engineer
Stan Kuntz, G.F. District Materials Lab
Dave Hand, District Maintenance Chief
Walt Scott, R/W Utilities Section Supervisor
Jim Mullins, R/W Design Manager
Greg Pizzini, Acquisition Manager
Joe Zody, R/W Access Management Section Manager
Gary Larson, Project Analysis Bureau Chief
Sue Sillick, Research Section Supervisor
Kim Janzen, Shelby Area Maintenance Superintendent
Mark Keeffe, Bicycle/Pedestrian Coordinator
Wayne Noem, Secondary Roads Engineer
Jim Lynch, Tribal Coordinator
Gerry Brown, Construction Engineering Services Bureau
Jason Sorenson, Engineering Cost Analyst
Mike MacDonald, Havre Maintenance Chief



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

Memorandum

To: Paul R. Ferry, PE
Highways Engineer

From: Damian M. Krings, P.E. [\[DMK\]](#)
Road Design Engineer

Date: September 21, 2009

Subject: STPS 464-1(11)21
Duck Lake Road
UPN 6966000
180 ~ Resurfacing ~ Asphalt, Seal & Cover

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

Approved Paul R. Ferry Date 10/6/09
Paul R. 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
Highways File

Preliminary Field Review/Scope of Work Report

STPS 464-1(11)21

Project Manager: Dustin Rouse

Page 1

Introduction

The following MDT employees attended the August 17, 2009 preliminary field review:

Steve Prinzing	District Preconstruction Engineer	Great Falls
Dustin Rouse	Project Design Engineer	Helena
Steve McEvoy	MDT Surfacing Design	Helena
Louise Stoner	MDT Road Design	Helena
Lotse Townsend	MDT Road Design	Helena
Kim Janzen	MDT Shelby Area Maintenance Superintendent	Havre

Proposed Scope of Work

This project is nominated as pavement preservation overlay. The intent of this project is to extend the life of the existing driving surface by providing a full width 0.20 foot overlay of new plant mix bituminous surfacing, applying a seal and cover with pavement markings and provide roadside safety enhancements.

The original nomination was to overlay and seal & cover this project from RP 21.4 to 28.7, however during the field review, it was determined that the road should be crack sealed from 21.4 to 23.9 and overlaid at RP 23.9 to 28.7. Maintenance crews have agreed to crack seal the existing surface between RP 18.714 to RP 23.9 to extend the life of the pavement in this area. Therefore, the review team recommends extending the project to RP 30.5 based on nomination funding.

Project Location and Limits

This project is located in Glacier County, on the Blackfeet Indian Reservation, on Secondary Route 464, Duck Lake Road. Route S-464 is on the Secondary highway system and is classified as a rural major collector. The project begins approximately 24 miles north of Browning at RP 23.9 and continues westerly to RP 28.7. Project STPS 464-1(10)13 was constructed in 2006 and provided an overlay, seal & cover and guardrail replacement between RP 12.864 to 18.714. The review team recommends that maintenance crews crack seal and seal & cover the existing surface between RP 18.714 to RP 23.9 and that this project begin at RP 23.9 instead of 21.4. The section between RP 23.9 to 28.7 exhibits rutting and cracking and should be addressed with this project and if possible, extend to RP 30.5 based on nomination funding.

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). Traffic Operations (TO) and Public Information (PI) components are not necessary at this level.

Physical Characteristics

This section of roadway was constructed under Project No. S 266(1) in 1961 and was last sealed and covered in 2001 and 2002 by maintenance crews. It has a 24' roadway surface with a plant mix thickness of 0.20'. The ditch sections have 5:1 slopes and variable back slopes. The proposed project is in a rural area surrounded by dryland, used primarily for grazing, in gently rolling terrain. The section of roadway also serves as a main route to Duck Lake, a recreational area. This route serves Glacier Park and is part of the Browning to Hudson Bay Divide EIS Corridor study.

Preliminary Field Review/Scope of Work Report

STPS 464-1(11)21

Project Manager: Dustin Rouse

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Traffic Data

The traffic data for this project is as follows:

2009 AADT	=	710	Present
2010 AADT	=	720	Letting Year
2030 AADT	=	990	Design Year
DHV	=	130	
Com Trucks	=	8.0%	
ESAL	=	24	
AGR	=	1.6%	

Accident Analysis

An accident analysis for this section of roadway has been requested. Safety recommendations that are commensurate with the scope of work for this project will be included. New guardrail is proposed at RP 28.1 to shield a steep in-slope section at a drainage crossing.

Major Design Features

The project will be developed in accordance with the latest Guidelines for Pavement Preservation Projects. The project is considered to be preventative maintenance by means of scheduled treatment.

- a. **Design Speed.** Not applicable criteria for an overlay, seal and cover project.
- b. **Horizontal & Vertical Alignments.** The existing vertical and horizontal alignments will not be altered with this project.
Typical Sections and Surfacing. There are no proposed changes to the typical section with this pavement preservation project, however due to the narrow width of the road; surface gravel will be applied to maintain the 24' roadway width. Pavement in-slopes will be at a 4:1 to accommodate the 0.20' overlay. Connection milling will be designed according to MDT taper rates and a detail will be included.
- c. **Geotechnical Considerations.** No geotechnical issues will be addressed with this project.
- d. **Hydraulics.** No hydraulics issues will be addressed with this project.
- e. **Bridges.** There are no bridges within the project limits.
- f. **Traffic.** New pavement markings will be required which include fog line and centerline striping.
- g. **Pedestrian/Bicycle/ADA.** There is insufficient width for rumble strips. Rumble strips will not be installed to allow bicycles to utilize the shoulders.
- h. **Miscellaneous Features.** Milling will be required at the beginning and end of the project. Box Beam Guardrail will be added on both sides of the roadway at drainage at RP 28.1, due to steep slopes that are unprotected. District Maintenance will coordinate with the land owner to move the existing fence back to the existing right of way on the north side of the road at RP 28.1.
- i. **Context Sensitive Design Issues.** These issues will not be addressed with this project.

Location Hydraulics Study Report

No hydraulics issues are anticipated with this project.

Design Exceptions

Design exceptions are not required with this overlay, seal and cover project.

Right-of-Way

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

Preliminary Field Review/Scope of Work Report

STPS 464-1(11)21

Project Manager: Dustin Rouse

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Access Control

This section of roadway is not an access controlled facility.

Utilities/Railroads

No utility involvement is anticipated with this overlay, seal and cover project.

Intelligent Transportation Systems (ITS) Features

No ITS solutions will be considered as part of the design process.

Survey

No survey will be required on this overlay, seal and cover project.

Public Involvement

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

We propose utilizing the millings from the beginning and end connections in the shoulder gravel locations as shown in the typical section.

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

The Helena Road Design crew will develop the plans in US Customary units. Dustin Rouse is the Project Design Engineer. This project is not under full FHWA oversight.

Preliminary Cost Estimate

The project was nominated with a cost estimate (w/o IDC) of \$1,533,600 (CN+CE). The higher estimate shown is due to extending the project to logical termini on a tangent section of roadway.

Cost Estimate

	w/o IDC	w/ IDC (17.48%)
Road Work	\$ 1,026,720	
Traffic Control	\$ 75,000	
Subtotal	\$ 1,101,720	
Mobilization (15%)	\$ 165,280	
Subtotal	\$ 1,267,000	
Contingencies (12%)	\$ 153,000	

Preliminary Field Review/Scope of Work Report

STPS 464-1(11)21

Project Manager: Dustin Rouse

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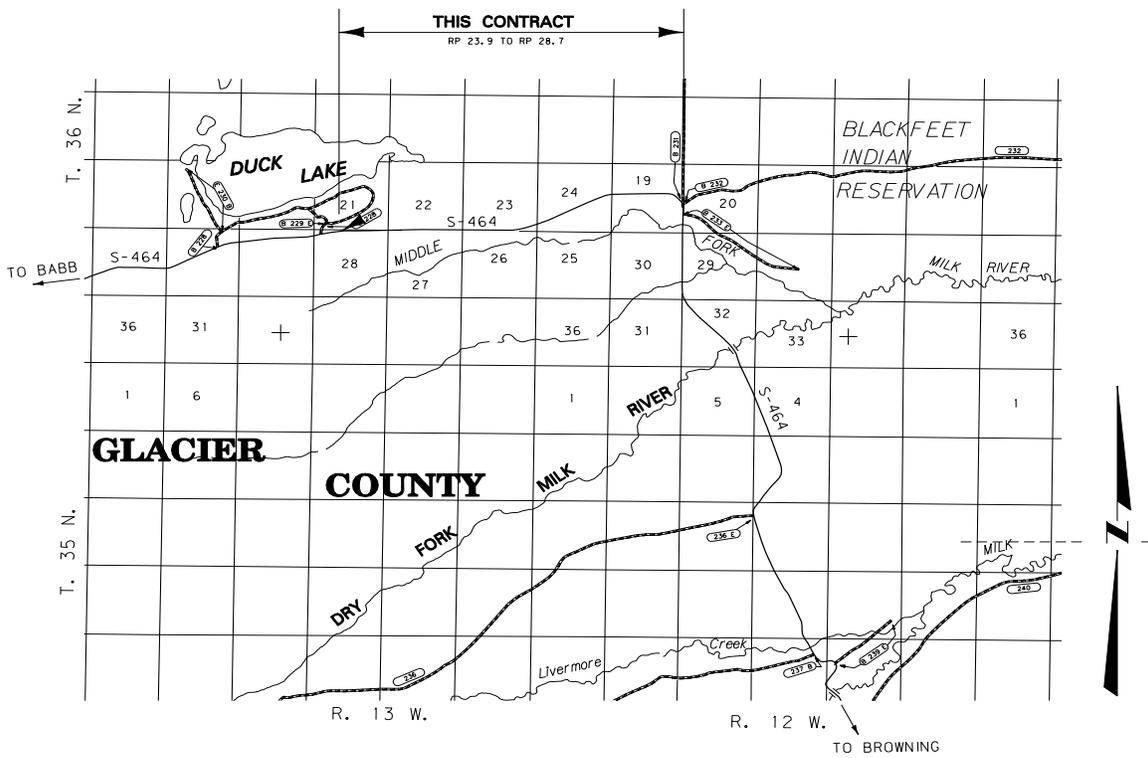
Total CN	\$ 1,420,000	\$ 1,669,000
CE (10%)	\$ 142,000	\$ 166,900

Cost per mile of the estimated construction total of \$1,420,000 is \$215,200.

Ready Date

The current ready date is August 2010 with a proposed letting date of November 2010.

Project Site Map



Preliminary Field Review/Scope of Work Report

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.: STPS 464-1(11)21 ID: UPN 6966000 Project Name: Duck Lake Road
 Reference Post (Station) RP 23.9± to Reference Post (Station) RP 30.5±
 Applicants Name: MDT Address: 2701 Prospect, Helena MT 59620-1001
 Type of Proposed Pavement Preservation Activity: Work Type 180 – Resurfacing –Asphalt, 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	
6a. Are any Tribal water permits required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A
7. Is the proposed project in a "Class I Air Shed" (Some Indian Reservations)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> N/A

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

Checklist prepared by: Dustin Rouse Project Design Engineer November 5,
2010

Approved by:	<u>Applicant</u>	<u>Title</u>	<u>Date</u>
<hr/>			
	<u>Environmental Services</u>	<u>Title</u>	<u>Date</u>

Preliminary Field Review/Scope of Work Report

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Project Manager: Dustin Rouse

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(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)