



Montana Department of Transportation

2701 Prospect Avenue
PO Box 201001
Helena MT 59620-1001

Michael T. Tockley, Director
Steve Bullock, Governor

January 22, 2015

Brian Hasselbach
Federal Highway Administration (FHWA)
585 Shepard Way
Helena MT 59602



Subject: Statewide Programmatic Categorical Exclusion for Pavement Preservation Projects
UPP 1807(14)
CONTINENTAL - 4 MI VU TO FLORAL
Control Number: 8785000

Dear Brian Hasselbach:

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 are not anticipated at this time.

If you have questions or concerns, please contact Barry Brosten at 444.0804 or me at 444.7203. We will be pleased to assist you.

Sincerely,

Heidy Bruner, P.E.
Environmental Services Bureau Engineering Section Supervisor

Attachments: PFR/SOW Report, Environmental Checklist

Enclosure

e-copies w/checklist encl.:

- Jeff Ebert, Butte District Administrator
- Tom Martin, P.E., Environmental Service Bureau Chief
- Heidy Bruner, P.E., ESB Engineering Section Supervisor
- Lesly Tribelhorn, P.E., acting Highways Engineer
- Suzy Price, Contract Plans Bureau Chief
- Lisa Hurley, Fiscal Programming Section Supervisor
- Tom Erving, Fiscal Programming
- Montana Legislative Branch Environmental Quality Council
- File

HB:\bbs\projects\butte\8000\8785\8785enpavpres.docx



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

RECEIVED
 JAN - 7 2015
 ENVIRONMENTAL

Memorandum

To: Tom S. Martin, P.E. Chief, Environmental Services Bureau
 From: Lesly Tribelhorn, P.E., Highways Engineer (Acting) ✓
 Date: January 5, 2015
 Subject: UPP 1807(14)
 CONTINENTAL - 4 MI VU TO FLORAL
 UPN: 8785000
 Project Work Type: 180 - Pavement Preservation

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

Please send the notification for the environmental documentation on this project to the FHWA. If you need additional information, contact Joe Walsh (406)494-9622.

Attachments (Environmental Checklist and PFR)

/// Barry
 /// Deb
 / Jon
 Doug

copies: Damian Krings, w/attach (checklist only)
 Joe Walsh, Butte District,
 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 Number: UPP 1807(14) Control No.: 8785000 Project Name: CONTINUED IMPROVEMENTS TO FLORAL

Reference Post (Station): 3.71 To Reference Post (Station): 5.85

Applicant's Name: MDT - Butte District

Address: PO Box 3068; Butte, MT 59702-3068

Type of Proposed Pavement Preservation Activity: Mill, Fill, Seal, & Cover, Bridge Work, Pavement Markings

MASTER FILE COPY

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 type="checkbox"/>	<input checked="" type="checkbox"/> Unknown- See comments at end of Document
2b. Will the proposed action adversely affect listed or candidate threatened or endangered species, or adversely modify critical habitat?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Unknown- See comments at end of Document
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"/>	See comments at end of Document
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://deq.mt.gov/wqinfo/MPDES/StormWater/ms4.mcp). (Billings, Great Falls, and Missoula Urbanized areas, and Butte, Bozeman, and Helena)	<input checked="" type="checkbox"/>	<input 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"/>	See comments at end of Document
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/deq/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://deq.mt.gov/AirQuality/Planning/AirNonattainment.mcp) (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 checked="" type="checkbox"/>	<input type="checkbox"/>	Butte PM-10 Nonattainment Area. No Adverse impacts anticipated.

Checklist prepared by:

Joe Walsh
Applicant

District Projects Engineer
Title

1/5/2015
Date

Approved by:

[Signature]
Environmental Services

ENVIRONMENTAL ENGINEERING
SECTION SUPERVISOR
Title

1/23/15
Click here to enter a date.
Date

(When any of the above questions are checked "Yes")

Project Number: UPP 1807(14) Control No.: 8785000 Project Name: CONTINENTAL – 4 MI VU TO FLORAL

The Applicant is **not** authorized to proceed with the proposed work until the checklist has been reviewed and approved, as necessary, and any requested conditions of approval have been incorporated.

- A. Complete the checklist items 1 through 7, indicating "Yes" or "No" for each item. Include comments, explanations, information sources, and a description of the magnitude/importance of potential impacts in the right hand column. Attach additional and supporting information as needed. The checklist preparer, by signing, certifies the accuracy of the information provided.
- B. When "Yes" is indicated on any item, the checklist preparer 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. **Any proposed mitigation measures will become a condition of approval.**
- 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 Bureau. Electronic format is preferred. 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 Bureau 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.
- F. The links above are provided as a starting point for potential sources of information for completing the checklist. The Applicant is encouraged to consult Environmental Services Bureau and/or other information sources.

Comments regarding Impact Question No. 2a. and 2b.

MDT Environmental Services Biological Resources staff will evaluate the possibility of Threatened and Endangered species in the vicinity of the project area. Appropriate Special Provisions will be included in the Plans Package as necessary.

Comments regarding Impact Question No. 3a, 3b. and No. 4a, 4b

The following statement or an updated version will be included on the NOTES page of the Plan Package:

TEMPORARY EROSION AND SEDIMENT CONTROL

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 for erosion and sediment control Best Management Practices.

Additionally, the following Special Provision or an updated version will be included in the Plan Package.

PROTECTION OF WETLAND AREAS AND OTHER DRAINAGES

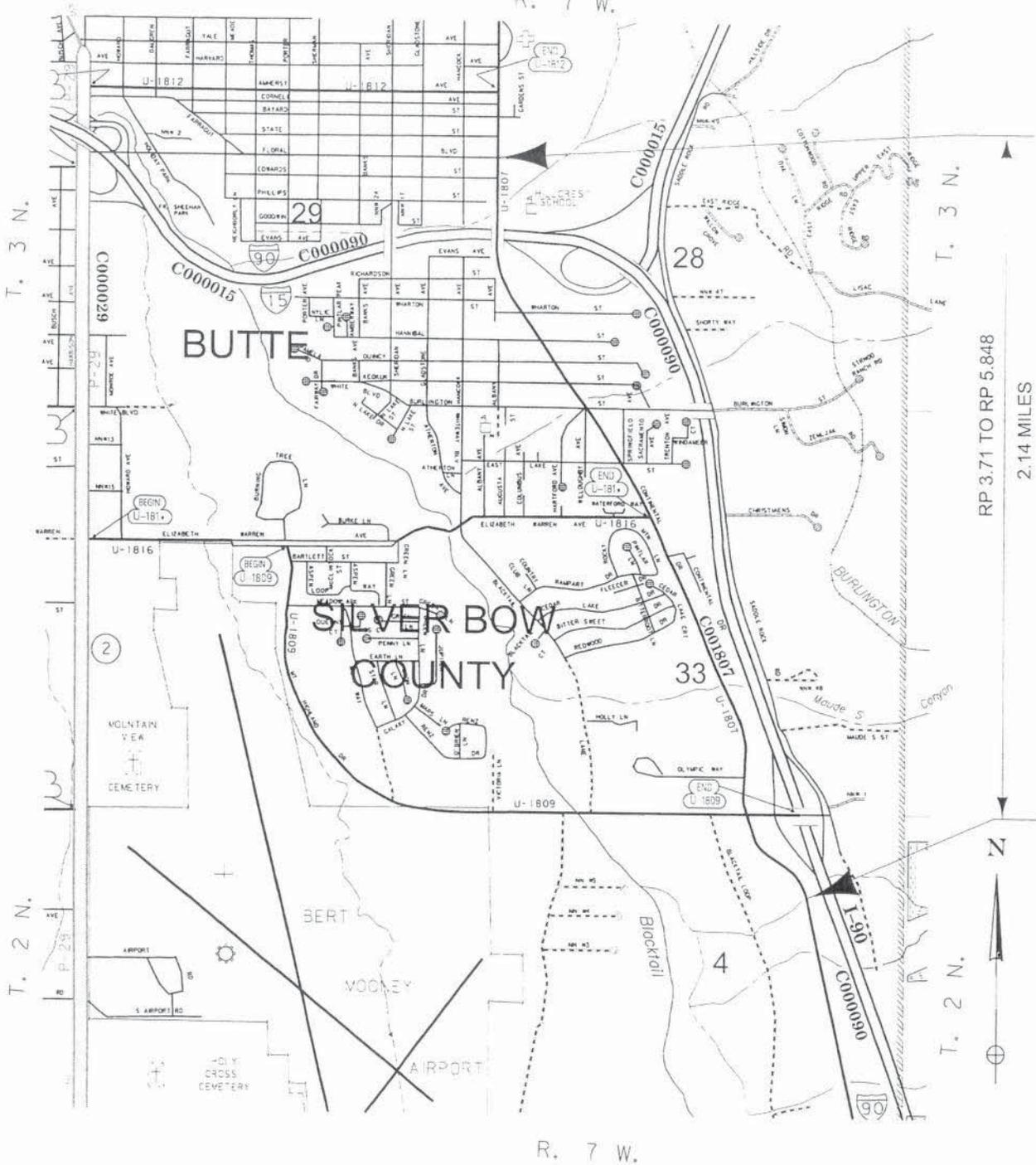
Impacts to any and all wetland areas and other drainages including spring, perennial, ephemeral or intermittent drainages, streams and rivers, located adjacent to the project are not anticipated in association with this project. MDT has NOT acquired any water quality permits or authorizations, including a Clean Water Act Section 404 permit (COE), a Stream Protection Act 124 notification (MFWP), or a 318 Authorization (DEQ). Therefore, impacts to any and all wetland areas and other 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 complete avoidance of all impacts to these areas is not possible, contact the District Biologist at 444-0461 or the Construction Permit Coordinator at 494-9612, 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.

CONTINENTAL - 4 MI VU TO FLORAL

UPN: 8785000

R. 7 W.





Memorandum

To: Distribution

From: Lesly Tribelhorn, PE
 Highways Engineer (Acting)

Date: January 5, 2015

Subject: UPP 1807(14)
 CONTINENTAL – 4 MI VU TO FLORAL
 UPN: 8785000
 180 – Pavement Preservation

Attached is the Preliminary Field Review Report/Scope of Work Report which was approved on _____. 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:

- | | |
|--|--|
| Jeff Ebert, Butte District Administrator | Tom Martin, Environmental Services Bureau Chief |
| Kent Barnes, Bridge Engineer | Lynn Zanto, Rail, Transit, & Planning Division Administrator |
| Lesly Tribelhorn, Highways Engineer (Acting) | 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:

- | | |
|---|---|
| Joe Walsh, Project Design Manager, Butte District Master file | Dawn Stratton, Fiscal Programming Section |
| | Damian Krings, Road Design Engineer |
| | Local Government Officials |

e-copies:

- | | |
|--|---|
| Jim Walther, Engineering, Preconstruction Engineer | Jake Goettle, Construction Bureau – VA Engineer |
| Lesly Tribelhorn, Highways Design Engineer | Dustin Rouse, Butte District Preconstruction |
| Mark Goodman, Hydraulics Engineer | Joe Walsh, Butte District Projects Engineer |
| Walt Ludlow, Butte District Hydraulics Engineer | Mike Walsh, Butte District Materials Lab |
| Bill Semmens, Env. Resources Section Supervisor | Kam Wrigg, Butte District Maintenance Chief |
| Deb Wambach, Butte District Biologist | Therese Iwaniak, Butte District Right of Way Supervisor |
| Barry Brosten, Butte District Project Development Engineer | Phillip Inman, Utilities Engineering Manager |
| Danielle Bolan, Traffic Operations Engineer | David Hoerning, R/W Engineering Manager |
| Ivan Ulberg, Traffic Design Engineer | Greg Pizzini, R/W |
| Leroy Wosoba, Butte District Traffic Project Engineer | Joe Zody, R/W Access Management Section Manager |
| Kraig McLeod, Safety Engineer | Matt Strizich, Materials Engineer |
| Nathan Haddick, Bridge Area Engineer, Butte District | Jim Davies, Pavement Analysis Engineer |
| Michael Grover, Engineering Cost Analyst | Darin Reynolds, Surfacing Design Supervisor |
| John Pirre, Engineering Information Services | Jeff Jackson, Geotechnical Engineer |
| Paul Grant, Public Involvement Officer | Patrick McCann, Butte District Geotechnical Manager |
| Sue Sillick, Research Section Supervisor | Nicholas Jaynes, Butte District Geotechnical |
| Suzy Price, Contract Plans Bureau Chief | Bryce Larsen, Supervisor, Photogrammetry & Survey |
| Matt Wagner, Engineering Division | Paul Johnson, Project Analysis Bureau |
| Alyce Fisher, Fiscal Programming | Jean Riley, Planner |
| Dawn Stratton, Fiscal Programming Section | Wayne Noem, Secondary Roads Engineer |
| Angela Zanin, Bicycle/Pedestrian Coordinator | Michael Murphy, Eng. Manager, Bridge Management |
| Matt Maze, ADA Coordinator | Duane Williams, Motor Carrier Services Div. Administrator |
| Bill Rabey, Environmental | Becky Duke, Traffic Data Collection Sec. Supervisor (WIM) |
| Marisa Mailand, Road Log Manager | Doug McBroom, Maintenance Division Operations (RWIS) |

Preliminary Field Review/Scope of Work Report

UPP 1807(14) CONTINENTAL – 4 MI VU TO FLORAL

Project Manager : Dustin Rouse

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Introduction

A Preliminary Field Review was held on August 28, 2014 for the above noted project.

In attendance were:

Jennifer Nelson - Project Design Manager – Helena

Matt Maze – ADA Coordinator -Helena

Joe Walsh – Project Design Manager - Butte

Kevin Mueller – Design Supervisor – Butte

Randy Perkins – Road Designer – Butte

Dustin Rouse – Butte District Engineering Services Supervisor – Butte

Greg Zeihen – Pavement Analysis - Helena

Andy White – Pavement Analysis - Helena

Dave Schultz – Butte - Silver Bow

Proposed Scope of Work

The proposed project has been nominated to Mill, Fill, Seal and Cover the existing roadway. The original nomination was for a section of Continental Drive from Floral Blvd.(RP 3.71) to 4 Mile Vue (RP 5.53). It was decided to extend this project south to the project break at RP 5.85. The project will be 0.20' Mill and Fill. The project will also include guardrail work, ADA upgrade and bridge improvement.

Purpose and Need

The purpose of the project is to extend the service life of this urban route, provide additional skid resistance and take a cost-effective action to preserve and maintain the existing urban route.

Project Location and Limits

The project is located in Silver Bow County on the southeast edge of Butte on Urban Route 1807. The project begins in Section 28, T3N R7W and ends in Section 4, T2N R7W. The functional classification of the route is minor arterial. The project begins at the Intersection of Continental Drive and Floral Boulevard (RP 3.71) and extends south of the Intersection of Continental Drive and 4 Mile Vue (RP 5.85). The project length is 2.14 miles. The project Reference Posts run from north to south while stationing runs south to north.

As built project numbers;

RS-375-1(2)0 –Overlay 1961

ABU-1807(1) –Overlay 1983

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. The last overlay on this project was 1983 on project ABU-1807(1)
- b. The pavement width is 26' and is two 12' lanes with 1' shoulders.
- c. The average pavement surfacing thickness is 0.4 feet and the average gravel base is 10".
- d. There have been two previous overlays one in 1961- RS 375-1(2)0 and one in 1983- ABU 1807(1).
- e. The general terrain of the area is level in a rural/urban location.

Preliminary Field Review/Scope of Work Report

UPP 1807(14) CONTINENTAL – 4 MI VU TO FLORAL

Project Manager : Dustin Rouse

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- f. The existing horizontal and vertical alignments will be perpetuated with this pavement preservation project.
- g. There is one existing bridge on the project that crosses over I-15. The bridge is 38' wide by 266' long. Bridge work will be included in this project as described in the bridge section.

Traffic Data

The Traffic Data for Continental – 4 Mile Vu to Floral, RP 3.71 to RP 5.53;

2014 AADT = 4050 Present

2016 AADT = 4130 Letting Year

2036 AADT = 5040 Design Year

DHV = 550

T = 1.6%

EAL = 33

AGR = 1.0%

Crash Analysis

The crash analysis for the subject project as requested by memorandum dated August 19, 2014 is summarized below. The analysis is for Urban Route 1807 (U-1807) from reference post 003+0.710 to reference post 005+0.530.

The Montana Highway Patrol records show 18 crashes along this section of roadway for the dates January 1, 2009 through December 31, 2013. When examining the intersection of Four Mile Road at the end of the study section, an additional 5 crashes were found from RP 5.53 to RP 5.532 making a total of 23 crashes for this segment of roadway.

The main observed crash trend was right angle crashes, resulting in 2 possible injury crashes and 8 property damage only crashes. Six of the 10 right angle crashes occurred at the intersection of Continental Drive and 4 Mile Road. This is a four way stop intersection with flashing beacon. The second most common crash type was rear end crashes (6). These were evenly dispersed throughout the corridor.

Another crash trend occurs at the intersection of Continental Drive and Elizabeth Warren Avenue. Three crashes occurred at this intersection, all of which were left-turn opposite direction crashes with two possible injury crashes and one property damage only.

A breakdown of the crashes occurring on Continental Drive are as follows:

Continental Dr. & Floral Blvd	3 Crashes
Between Floral Blvd & Edwards St	1 Crash
Continental Dr. & Edwards St	1 Crash
Between Edwards St & Wharton St	1 Crash
Continental Dr. & Wharton St	2 Crashes
Between Wharton St & Quincy St	0 Crashes
Continental Dr. & Quincy St	0 Crashes
Between Quincy St & Keokuk St	1 Crash
Continental Dr. & Keokuk St	0 Crashes
Between Keokuk St & Burlington St	0 Crashes
Continental Dr. & Burlington St	1 Crash
Between Burlington St & E Lake St	0 Crashes
Continental Dr. & E Lake St	3 Crashes
Between E Lake St & Elizabeth Warren	0 Crashes
Continental Dr. & Elizabeth Warren	3 Crashes

Preliminary Field Review/Scope of Work Report

UPP 1807(14) CONTINENTAL – 4 MI VU TO FLORAL

Project Manager : Dustin Rouse

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Between Elizabeth Warren& 4 Mile Rd	1 Crash
Continental Dr. & 4 Mile Rd	6 Crashes
Total	23 Crashes

The Safety Engineering Section has not identified any crash clusters on this segment of roadway during the study period.

The Safety Engineering Section recommends examining the intersection of Continental Drive and 4 Mile Road where 6 right angle crashes have occurred. It is recommended to upgrade the stop ahead signs to a larger size and possibly add a supplemental plaque. The stop signs at this intersection may also be considered for updating to a larger size. Additionally, please provide supplemental “4-Way” plaques on each of the stop signs.

Traffic Signing Section is asked to include these signing upgrades on this project.

There have been 3 left turn opposite direction crashes at the Elizabeth Warren Avenue Intersection, all of which involved a vehicle turning in front of a southbound vehicle. Installing advanced intersection warning signs is recommended.

Traffic Signing Section is asked to include these signing upgrades on this project.

Major Design Features

- a. **Design Speed.** The design speed for this project is 45 mph based in MDT standards for urban roads in level terrain. The existing posted speed limit is 35 mph.
- b. **Horizontal Alignment.** The existing horizontal alignment will be perpetuated with this project.
- c. **Vertical Alignment.** The existing vertical alignment will be perpetuated with this project.
- d. **Typical Sections and Surfacing.** The existing typical sections and surfacing will be perpetuated with this project.
- e. **Geotechnical Considerations.** No Geotechnical considerations are anticipated with this project.
- f. **Hydraulics.** No Hydraulic considerations are anticipated with this project.
- g. **Bridges.** Bridge work will be included in this project. The bridge work for the existing bridge over I-15(U01807003+09761) will consist of concrete overlay, repaint beam ends, repaint bearings, repaint guard rail, replace expansion joints, repair beam seats, remove guard angles, Class A repair and crack sealing for sidewalks.
- h. **Traffic.** Pavement markings and delineation will be upgraded within this project. Signs will be upgraded as deemed appropriate by the Traffic Section. See Crash Analysis for additional signing recommendations.
- i. **Pedestrian/Bicycle/ADA.** Impacts to existing facilities are anticipated with this project. ADA will be updated. It will be proposed to Butte - Silver Bow that if they would raise the grade of the trail to match the elevation of the roadway on the west side of Continental Drive, south of Elizabeth Warren, that MDT would pave the trail.

Preliminary Field Review/Scope of Work Report

UPP 1807(14) CONTINENTAL – 4 MI VU TO FLORAL

Project Manager : Dustin Rouse

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- j. **Miscellaneous Features.** The culvert on the east side of Continental Dr. at Wharton St. will be modified.
- k. **Context Sensitive Design Issues.** Trail improvement will be included with this project.
- l. **Cold Millings.** Cold millings produced with this project will be given to Butte Silver Bow.
- m. **Guardrail.** Guardrail will be upgraded to current Standards.

Other Projects

There are no other projects associated with this project.

Location Hydraulics Study Report

There will be no hydraulic involvement on this project.

Design Exceptions

No design exceptions are anticipated with this project.

Right-of-Way

No right-of-way acquisition is anticipated.

Access Control

This is not an Access Controlled facility - there will be no changes to access with this project.

Utilities/Railroads

There will be no railroad involvement on this project. There are utility crossings within the project limits that will require location. A S.U.E. survey will not be required.

Maintenance Items

There will be no Maintenance involvement with this project.

Intelligent Transportation Systems (ITS) Features

ITS will not be pursued on this project.

Survey

A location survey will be required and the Butte District Road Design Section will obtain the necessary information.

Public Involvement

The “Public Advisory Program” standard special provision will be included in the plans package.

Level A

1. News release explaining the project and including a department point of contact.

Environmental Considerations

This project meets the criteria for a statewide programmatic categorical exclusion under the pavement preservation agreement with FHWA. We are submitting a pavement preservation checklist for this project. As proposed, no CWA 404 permit or SPA 124 notifications are anticipated for this project. The standard specification 107.11.8 Protection of Aquatic Resources applies to this project.

Preliminary Field Review/Scope of Work Report

UPP 1807(14) CONTINENTAL – 4 MI VU TO FLORAL

Project Manager : Dustin Rouse

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Energy Savings/Eco-Friendly Considerations

No energy saving/eco-friendly considerations are associated with this project.

Experimental Features

No experimental features are associated with this project.

Traffic Control

Traffic will be maintained on the roadway during construction. In lieu of detour, phased construction with single lane traffic control will be necessary. The bridge deck has a width of 28-ft., which would allow for a single 12-ft. travel lane during phased bridge work. With a deck width of 28-ft., positive protection for workers will be provided and a 12-ft. travel lane will be maintained. Appropriate traffic control devices and signing will be used throughout the project in accordance with the *Manual of Uniform Traffic Control Devices*.

The Transportation Management Plan (TMP) will consist of a Traffic Control Plan (TCP) only.

Preliminary Construction Cost Estimate

	Estimated cost	Inflation (INF) (from PPMS)	TOTAL costs w/INF + IDC (from PPMS)
Road Work	\$1,300,000.00		
Bridge Work	\$190,000.00		
Traffic Control	\$100,000.00		
Subtotal	\$1,490,000.00		
Mobilization (10%)	\$149,000.00		
Subtotal	\$1,639,000.00		
Contingencies (8%)	\$131,120.00		
Total CN	<u>\$1,770,120.00</u>	<u>\$ 270,388.00</u>	<u>\$ 2,226,806.00</u>
CE (10%)	<u>\$177,012.00</u>	<u>\$ 27,039.00</u>	<u>\$ 222,681.00</u>
TOTAL CN+CE	<u>\$1,947,32.00</u>	<u>\$ 297,427.00</u>	<u>\$ 2,249,487.00</u>

Note: Inflation is calculated in PPMS to the letting date. IDC is calculated at 9.13% for FY 2015.

The estimated cost \$2,449,487 (CN+CE+INF+IDC) = \$1,144,620 per mile.

Preliminary Engineering

The nominated Preliminary Engineering should be sufficient.

Project and Risk Management

The Butte District Road Design unit will develop the plans and Dustin Rouse will be the Project Design Manager. This is not a Project of Division Interest for FHWA.

Preliminary Field Review/Scope of Work Report

UPP 1807(14) CONTINENTAL – 4 MI VU TO FLORAL

Project Manager : Dustin Rouse

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The project has low overall relative risk to project construction costs and schedule. Risk would be primarily related to the areas of bridge work and associated traffic control.

Ready Date

The proposed ready date is October 1, 2015.

Site Map

The project site map is attached.

Preliminary Field Review/Scope of Work Report

UPP 1807(14) CONTINENTAL – 4 MI VU TO FLORAL

Project Manager : Dustin Rouse

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CONTINENTAL - 4 MI VU TO FLORAL

UPN: 8785000

R. 7 W.

