



December 1, 2014

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



Subject: Statewide Programmatic Categorical Exclusion for Pavement Preservation Projects  
NH 12-1(19)0  
TARGHEE PASS - WEST YELLOWSTONE  
Control Number: 8762000

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  
Paul Ferry, P.E., 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\8762\8762enpavpres.docx

**(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: NH 12-1(19)0 Control No 8762000 Project Name: Targhee Pass-West Yellowstone  
 Reference Post (Station): 0.00 To Reference Post (Station): 9.38  
 Applicant's Name: Montana Department of Transportation Address: PO Box 201001; Helena, MT 59620-1001  
 Type of Proposed Pavement Preservation Activity: 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 <a href="http://www.rivers.gov/wildriverslist.html">http://www.rivers.gov/wildriverslist.html</a> )	<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
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"/>	<input 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 type="checkbox"/> N/A
3b. Is the proposed project within an MS4 Permit Area? (See <a href="http://deg.mt.gov/wqinfo/MPDES/StormWater/ms4.mcp.x">http://deg.mt.gov/wqinfo/MPDES/StormWater/ms4.mcp.x</a> ). (Billings, Great Falls, and Missoula Urbanized areas, and Butte, Bozeman, and Helena)	<input 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"/>	
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 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 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 <a href="http://nris.mt.gov/deg/remsitequery/portal.aspx">http://nris.mt.gov/deg/remsitequery/portal.aspx</a> )	<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 type="checkbox"/> N/A
7. Is the proposed project in a "Class I Air Shed" or a nonattainment area? (See <a href="http://deg.mt.gov/AirQuality/Planning/AirNonattainment.mcp.x">http://deg.mt.gov/AirQuality/Planning/AirNonattainment.mcp.x</a> ) (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"/>	

Checklist prepared by:

Jennifer Nelson

Applicant

Project Design Engineer

Title

11/5/2014

Date

Approved by:

*Jennifer Bruner*  
 Environmental Services

*JENNIFER BRUNER*  
 ENVIRONMENTAL SERVICES

Title

12/2/14  
 Click here to enter a date.

Date

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

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.



**Memorandum**

To: Distribution

From: Paul Ferry, PE *PF*  
 Highways Engineer

Date: October 28, 2014

Subject: NH 12-1(19)0  
 Targhee Pass – West Yellowstone  
 8762000  
 Work Type – 183 – Resurfacing – Seal & Cover

Attached is the Preliminary Field Review Report/Scope of Work Report which was approved on 11/12/14. 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, 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 Division Administrator               |

**cc:**

- |   |   |
|---|---|
| Jennifer Nelson, Project Design Manager, Butte District Master file | Dawn Stratton, Fiscal Programming Section |
|   | Damian Krings, Road Design Engineer       |

**e-copies:**

- |   |   |
|---|---|
| Jim Walther, Engineering, Preconstruction Engineer                            | Jake Goettle, Construction Bureau – VA Engineer   |
| Lesly Tribelhorn, Highways Design Engineer                                    | Dustin Rouse, District Preconstruction            |
| Mark Goodman, Hydraulics Engineer   | Joe Walsh, District Projects Engineer             |
| Walt Ludlow, District Hydraulics Engineer                                     | Mike Walsh, District Materials Lab                |
| Bryce Larsen, Supervisor, Photogrammetry & Survey                             | Kyle DeMars, District Maintenance Chief           |
| Deb Wambach, District Biologist   | Therese Iwaniak, District Right of Way Supervisor |
| Barry Brosten, District Project Development Engineer                          | Phillip Inman, Utilities Engineering Manager      |
| Danielle Bolan, Traffic Operations Engineer                                   | David Hoerning, Lands Section Supervisor          |
| Ivan Ulberg, Traffic Design Engineer  | Greg Pizzini, Acquisition Section Supervisor      |
| LeRoy Wosoba, 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 Engineering Cost Analyst | Jim Davies, Pavement Analysis Engineer            |
| Marty Beatty, Engineering Information Services                                | Darin Reynolds, Surfacing Design Supervisor       |
| Paul Grant, Public Involvement Officer  | Jeff Jackson, Geotechnical Engineer               |
| Sue Sillick, Research Section Supervisor                                      | Pat McCann, District Geotechnical Manager         |
| Suzy Price, Contract Plans Bureau Chief                                       | Paul Johnson, Project Analysis Bureau             |
| Alyce Fisher, Fiscal Programming Section                                      | Jean Riley, Planner                               |
|   | Dawn Stratton, Fiscal Programming Section         |



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

**Memorandum**

To: Paul Ferry, PE  
Highways Engineer

From: Damian Krings, PE *DMK*  
Road Design Engineer

Date: October 28, 2014

Subject: NH 12-1(19)0  
Targhee Pass – West Yellowstone  
8762000  
Work Type – 183 – Resurfacing – Seal & Cover

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

Approved Paul Ferry Date 11/12/14  
Paul Ferry, PE  
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  
Master file

# Preliminary Field Review/Scope of Work Report

NH 12-1(19)0

Project Manager : Jennifer Nelson

Page 1 of 5

## Introduction

A preliminary field review for this project was held on September 11, 2014 with the following personnel in attendance:

Dustin Rouse, Engineering Services Super.-Butte	Jennifer Nelson, Project Design Mgr.-Helena
Joe Walsh, District Projects Manager-Butte	Scott Gerken, Road Design-Helena
Mark French, Road Design Supervisor-Helena	Greg Zeihen, Pavement-Helena
Dale Hovden, Road Design-Helena	Deb Wambach, District Biologist-Helena
Craig Walker, Construction- Bozeman	

## Proposed Scope of Work

The proposed project has been nominated as a seal and cover.

## Purpose and Need

The purpose of this project is to prolong the existing pavement life and to provide additional skid resistance.

## Project Location and Limits

NH 12/US 20, west of West Yellowstone and the city of West Yellowstone in Gallatin County:

- Begin: RP 0.00 ±, Targhee Pass on the border of ID & MT
- End: RP 9.38 ±, at the intersection of Canyon St
- Length: 9.38 ± miles

As-built projects are:

F-FR-HES 12-1(3)0	year 1987
FHP 46-A4	year 1961
FHP 46-A3	year 1930

Stationing runs west to east, in accordance with the reference posts. The functional classification is rural principal arterial RP 0.0 to RP 8.63, and urban principal arterial RP 8.63 to RP 9.38.

## Work Zone Safety and Mobility

At this time, Level 2 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). A limited Transportation Operations (TO) component and a limited Public Information (PI) component to address lane closures will also be included in the plan package. These issues are discussed in more detail under the Traffic Control and Public Involvement sections.

## Physical Characteristics

Surfacing information for this two-lane facility is provided below:

<u>From</u>	<u>To</u>	<u>PMS Top Thickness (in)</u>	<u>Bottom Thickness (in)</u>	<u>Top Width (ft)</u>
RP 0.0	RP 0.6	5.5	3.0	42
RP 0.6	RP 8.0	5.5	3.0	32
RP 8.0	RP 8.5	5.5	4.0	32
RP 8.5	RP 8.63	3.6	16.8	32
RP 8.6	RP 9.38	4.0	16.8	36

The road was last reconstructed in 1960. It was last overlaid in 2009 from RP 0.0 to RP 8.63, and 2003 from RP 8.63 to RP 9.38.

## Preliminary Field Review/Scope of Work Report

NH 12-1(19)0

Project Manager : Jennifer Nelson

Page 2 of 5

PvMS Index Numbers & Recommended Treatment for 2016:

<u>Section</u>	<u>Ride</u>	<u>Rut</u>	<u>ACI</u>	<u>MCI</u>	<u>Construction</u>	<u>Maintenance</u>
RP 0.0 to RP 8.57	80.9	80.4	98.6	96.5	AC Crack Seal	AC Crack seal
RP 8.57 to RP 9.38	77.0	72.0	88.8	98.6	AC Crack Seal & Cover	AC Crack seal & Cover

Bridges:

<u>Structure ID</u>	<u>Year</u>	<u>RP</u>	<u>Length</u>	<u>Width</u>	<u>Surfacing</u>	<u>Feature Crossed</u>	<u>Location</u>
P00012004+04611	2009	4.46	79'	28'	Concrete	S Fork Madison	4 mi W West Yellowstone

### Traffic Data

Traffic data was not requested for this seal and cover project. The most recent traffic data by section information is as follows:

<u>Section</u>	<u>2012 AADT</u>	<u>2013 AADT</u>	<u>% Commercial Vehicles</u>
RP 0.0 to RP 8.63	2,850	2,980	13.6
RP 8.63 to RP 9.12	3,250	3,810	10.7
RP 9.12 to RP 9.41	3,980	4,690	8.7

### Crash Analysis

Accident data is not required and was not requested for this seal and cover project.

### Major Design Features

- a. **Design Speed.** The design speed from RP 0.0 to RP 2.0 is 50mph for mountainous rural terrain. The design speed from RP 2.0 to RP 8.63 is 70mph for level rural terrain. The posted speed limit is 70mph. The design speed from RP 8.63 to RP 9.38 is 40mph for curbed two-lane urban and the speed limit is 25mph.
- b. **Horizontal Alignment.** The horizontal alignment will be perpetuated with this project.
- c. **Vertical Alignment.** The vertical alignment will be perpetuated with this project.
- d. **Typical Sections and Surfacing.** The typical section will remain as-is for this seal and cover project. The project will be sealed and covered full-width using Type I chips.
- e. **Geotechnical Considerations.** No Geotechnical considerations are anticipated on this project.
- f. **Hydraulics.** No Hydraulic considerations are anticipated on this project.
- g. **Bridges.** There will be no Bridge involvement.
- h. **Traffic.** Pavement markings will be upgraded on this project.
- i. **Pedestrian/Bicycle/ADA.** There are no designated pedestrian or bicycle paths on the rural section of this project, RP 0.0 to RP 8.63.

On the urban section, RP 8.63 to RP 9.38, there are sidewalks along both sides of the road with curb ramps in good condition; however, in some locations the facility does not meet current ADA standards. Per FHWA guidelines, the ADA facilities will be left as-is with this seal and cover project.

The existing roadway width of 36' and the sidewalk are considered adequate to accommodate bicycle traffic.

## Preliminary Field Review/Scope of Work Report

NH 12-1(19)0

Project Manager : Jennifer Nelson

Page 3 of 5

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- j. **Miscellaneous Features.** Paved turnouts will be chip sealed.
- k. **Context Sensitive Design Issues.** This project will have short construction duration and minimal impacts to the city and the rural area; therefore, no issues are known at this time.

### **Other Projects**

There are no other projects in the area.

### **Location Hydraulics Study Report**

No LHSR is needed for this seal and cover project.

### **Design Exceptions**

No design exceptions are anticipated.

### **Right-of-Way**

All of the work for this seal and cover project will be done within the existing right-of-way. No right-of-way is anticipated.

### **Access Control**

There will be no access control with this project.

### **Utilities/Railroads**

Utility involvement is not anticipated on this seal and cover project. There are no railroads within the project limits.

### **Maintenance Items**

Maintenance forces will crack seal the roadway prior to contract letting.

### **Intelligent Transportation Systems (ITS) Features**

There are no ITS features that are suitable for this project.

### **Survey**

No survey is required for this seal and cover project.

### **Public Involvement**

This project will have Level A public involvement with a news release explaining the project and including a department point of contact.

### **Environmental Considerations**

A Programmatic Categorical Exclusion is anticipated for this project. No impacts to aquatic resources are anticipated. Standard Specification 107.11.8 Protection of Aquatic Resources applies as no water quality permitting is anticipated. No cultural or hazardous waste issues are anticipated.

### **Energy Savings/Eco-Friendly Considerations**

Due to the nature of this seal and cover project, no energy savings or eco-friendly measures have been identified.

## Preliminary Field Review/Scope of Work Report

NH 12-1(19)0

Project Manager : Jennifer Nelson

Page 4 of 5

### Experimental Features

At this time, no experimental features have been identified.

### Traffic Control

A Transportation Management Plan (TMP) consisting of a Traffic Control Plan (TCP), a limited Transportation Operations (TO) component and a limited Public Information (PI) component is appropriate for this project. Traffic will be maintained throughout construction through the use of part width construction and lane closures. No detours are anticipated. The Transportation Operations (TO) plan will make use of lane closure devices and signs based on the *Manual of Uniform Traffic Control Devices* (MUTCD).

### Project Management

Helena Road Design will be the lead on this project and the project design manager will be Jennifer Nelson. This is not a Project of Division Interest for FHWA.

### Preliminary Construction Cost Estimate

<b>PFR Estimate</b>	<b>Estimated Cost</b>	<b>Inflation (INF) (from PPMS)</b>	<b>TOTAL Costs w/INF + IDC (from PPMS)</b>
Road Work	\$320,988		
Traffic Control	\$124,200		
<b>Subtotal</b>	<b>\$445,188</b>		
Mobilization (10%)	\$45,000		
<b>Subtotal</b>	<b>\$490,188</b>		
Contingencies (15%)	\$74,000		
<b>Total CN</b>	<b>\$564,188</b>	<b>5,614</b>	<b>621,824</b>
<b>CE (10%)</b>	<b>\$56,000</b>	<b>557</b>	<b>61,720</b>
<b>TOTAL CN + CE</b>	<b>\$620,188</b>	<b>6,171</b>	<b>683,544</b>

### Preliminary Engineering

Plans will consist primarily of details, summary frames, and typical sections. No cross sections will be produced. The existing PE budget is anticipated to be adequate for this level of plan production.

### Project and Risk Management

The Helena Road Design section will develop the plans and Jennifer Nelson will be the Project Design Manager. This is not a Project of Division Interest for FHWA.

The overall level of risk on this project is low. Clear definition of project limit and intent within the plans should mitigate any risk.

### Ready Date

The current ready date for this project in OPX2 is October 1, 2015 and the project is currently ahead of schedule. This project could be prepared as a back-up for FY15, if needed; the current anticipated letting date is FFY17.

# Preliminary Field Review/Scope of Work Report

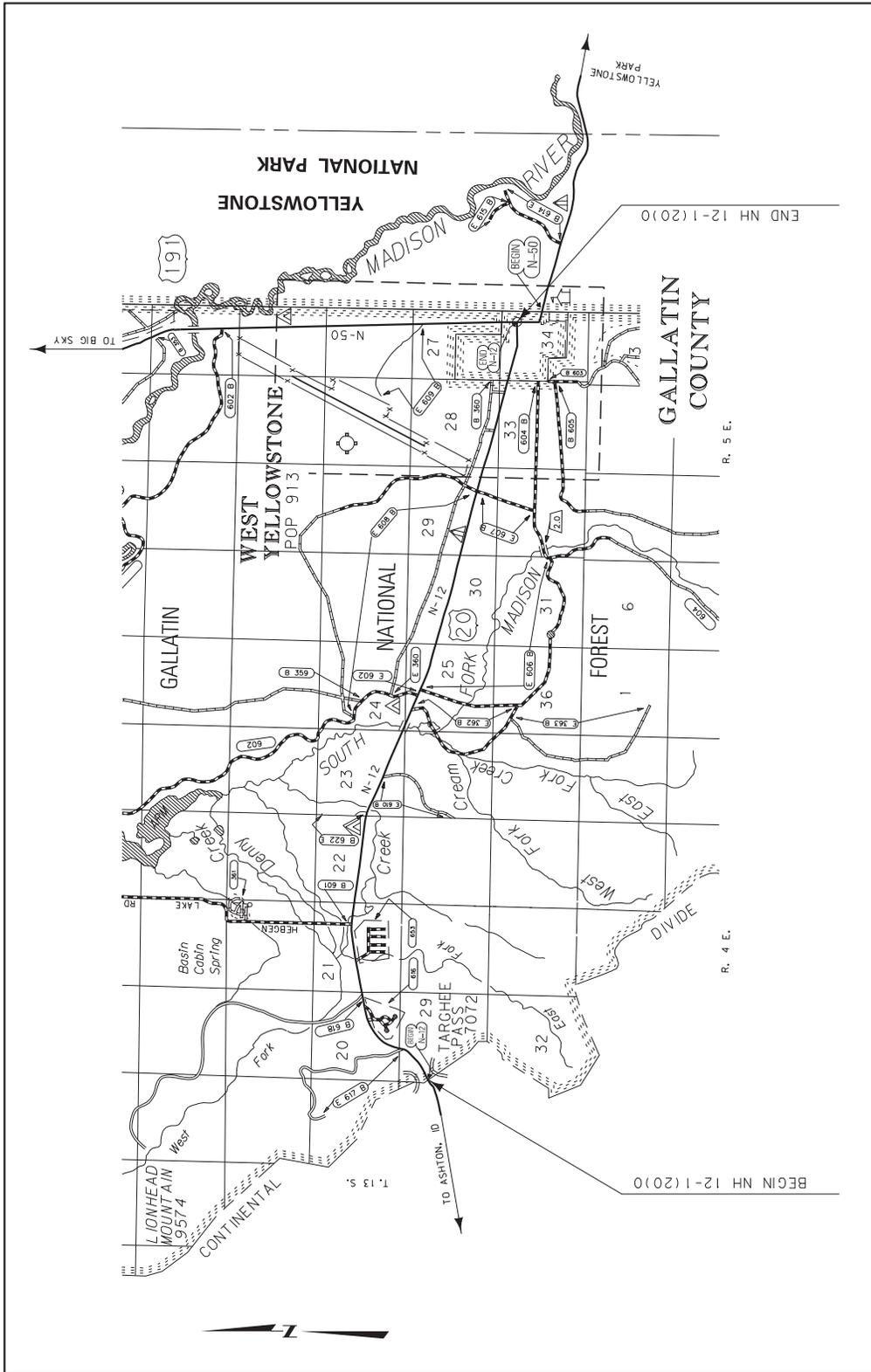
NH 12-1(19)0

Project Manager : Jennifer Nelson

Page 5 of 5

## Site Map

The project site map is attached.



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