CONTRACT NO. 05926

Backsfed.082726

STATE OF MONTANA
DEPARTMENT OF TRANSPORTATION
BID PACKAGE

Sealed bids for construction of this project will be received by the Montana Department of Transportation, Construction Contracting Section, Room 101, 2701 Prospect, Helena, Montana until 9:00 a.m. on September 17, 2026. All bids will then be publicly opened, reviewed for correctness, and then publicly read.

Federal Aid Project(s):

IM 90-5(101)249 WHITEHALL – EAST

Bid proposals, Plans, Standard Specifications, Detail Drawings, and Standard Contract Forms are on file for examination and may be obtained from the Construction Contracting Bureau of the Montana Department of Transportation, 2701 Prospect Avenue, P.O. Box 201001, Helena, Montana 59620-1001.

Prime bidders use the Electronic Bid System or bid on-line through Bid Express to produce a bid containing Proposal Forms, Schedule of Items, and Disadvantaged Business Enterprises (DBE) Requirements (if applicable).

CONTRACT #05926
AWARDED ON: SEPTEMBER 29, 2026
TO: RIVERSIDE CONTRACTING, INC.

MONTANA DEPARTMENT OF TRANSPORTATION

Loran Frazier, Chairperson
Montana Transportation Commission

Christopher Dorrington
Director of Transportation

Contract No.05926
KH:NB:10003001AWD

AWARD COPY

CURRENT QUESTIONS & ANSWERS

101 - WHITEHALL - EAST - September 17, 2026

Notifications

No Notices available for this project.

Amendments

-1-

Submitted: Tuesday 15-SEP-2026 05:00PM
An Amendment has been posted for this project: **AMENDMENT**
To download the amendment bid files: Bid Express™ Secure Internet Bidding

Clarifications

-1-

Submitted: Tuesday 08-SEP-2026 03:55 PM
The following special provision is hereby incorporated into the contract: ~~**GLASS BEADS**~~
UPDATE
Submitted: Wednesday 09-SEP-2026 11:18 AM
The following special provision has been revised: **GLASS BEADS** **(See end of Q&A)**

Questions

-1-

Submitted: Friday 21-AUG-2026 04:45 PM
Company: Knife River - Belgrade
Contact: Estimating
Can MDT please post the project design files?
Answer
Submitted: Wednesday 26-AUG-2026 04:01PM
The design files for the requested project are posted here: **DESIGN FILES**
The requested files do not represent the staked project but are only design files. The Department cannot guarantee the accuracy of the electronic data, particularly as it may be called up by your computer, nor does any data in these files supersede the data in the contract documents. In addition, the Department will not make any revisions to the electronic files pertaining to the staked project, change ordered work, or changes that are made during construction to fit field conditions.

-2-

Submitted: Thursday 03-SEP-2026 10:08 AM
Company: Riverside Contracting, Inc.
Contact: Dwayne K Rehbein
Can the new 20' x 11' x 228' RBC be installed 10-15 feet to the west to allow the contractor to utilize the existing eastern 12'-10" X 8'-4" SPPA for the water bypass, or vice-versa? This would be a considerable cost savings to MDT.
Answer
Submitted: Thursday 10-SEP-2026 04:11PM
The 20’ x 11’ RBC must be installed in the plan location.

-3-

Submitted: Tuesday 08-SEP-2026 12:09 PM
Company: Alpine Sign Inc.
Contact: John
Please provide Sign Design Calculations for this project
Answer
Submitted: Wednesday 09-SEP-2026 06:38 AM
The sign design files for the requested project are posted here: **SIGN DESIGN CALCS**

CURRENT QUESTIONS & ANSWERS

The requested files are only design files. The Department cannot guarantee the accuracy of the electronic data, particularly as it may be called up by your computer, nor does any data in these files supersede the data in the contract documents.

In addition, the Department will not make any revisions to the electronic files prior to award. Changes needed via change ordered work, or changes that are made during construction to fit field conditions, will be provided at that time. See the requirements of Subsection 619.03.2.

-4-

Submitted: Wednesday 09-SEP-2026 08:33 AM
Company: Riverside Contracting, Inc.
Contact: Estimating
(1) It appears that a large temporary bypass pipe will be required to divert the creek flows around the new box culvert installation. Can this pipe be filled with grout and abandoned in place? (2) Can the department please add a bid item for the Temporary Diversion (LS) of Whitetail Creek considering that this will be a significant amount of work that would currently be incidental to the box culvert installation.

Answer
Submitted: Monday 14-SEP-2026 03:49PM
~~1. The diversion pipe will be permitted to be abandoned in place if the diversion pipe meets Buy America/BABA requirements, the pipe ends must be removed to at least 3 feet below finished grade, and the contractor submits a plan to ensure the diversion pipe is completely filled per standard specification 602.03.4 Abandon Pipe – A. Fill and Abandon Pipe~~
2. A bid item for the temporary diversion will not be added to this project.

UPDATED: Tuesday 15-SEP-2026 03:52 PM
1. The diversion pipe will be permitted to be abandoned in place if the diversion pipe meets Buy America/BABA requirements, the pipe ends must be removed to at least 4 feet below finished grade, and the contractor submits a plan to ensure the diversion pipe is completely filled per standard specification 602.03.4 Abandon Pipe – A. Fill and Abandon Pipe. If this method is used the cost for the temporary diversion pipe, material to fill the abandoned pipe and associated costs will not be measured for payment.

-5-

Submitted: Thursday 10-SEP-2026 08:50 AM
Company: ICS
Contact: Estimating
Can MDT please post the hydrology data for Whitetail Creek? Historical flood, peak flow, groundwater, etc.

Answer
Submitted: Monday 14-SEP-2026 02:31PM
The drainage and culvert report for the requested project is posted here: **DRAINAGE AND CULVERT REPORT**

This hydraulic study is valid for the MDT culvert replacement project at this location and should not be used for any other purpose. Linked is the PDF File of the available project alignment and/or structures hydrology report(s). It should be noted that the project may have undergone significant changes during the design process after the original hydrologic report and supplements were issued. Thus, some of the information contained in these documents may be out of date or not applicable with regard to the advertised project. Some of the changes include but are not limited to: Project splits (for funding, ROW issues, etc.) alignment and grade changes; and changes due to environmental factors (sensitive areas, etc.).

CURRENT QUESTIONS & ANSWERS

-6-
Submitted: Thursday 10-SEP-2026 11:22 AM
Company: Jeffery Contracting
Contact: Kieley Cassidy
If the existing pipe is unable to be used for the diversion of Whitetail Deer Creek, would MDT consider adding 15 days to the contract to accommodate for the installation of the diversion? This work will require traffic to be crossed over multiple times before the installation of the RCB can begin.
Answer
Submitted: Monday 14-SEP-2026 04:00PM
No additional contract days will be added to this project.
-7-
Submitted: Thursday 10-SEP-2026 12:55 PM
Company: Montana Materials & Construction
Contact: estimating
The Grading Summary shows 22536 cy of excess excavation. Per the notes on typicals 2,3,&5 ....Is all of this excess excavation to be placed on the roadway shoulder/slopes? If so does topsoil need to be stripped, replaced, and seeded?
Answser
Submitted: Monday 14-SEP-2026 02:49PM
The 22,356 cubic yards of excess excavation is not intended to be placed on the shoulders/slopes. Topsoil salvaging and placing is being added to the contract for stripping and salvaging topsoil on the existing slope to the extent of the typical section prior to pulverization. Topsoil and seeding placed on the slope after placement/compaction of pulverized base will be paid for with the bid items added below. See revegetation special provision for the seeding blend to be used for the added seeding bid item.

The following bid items will be added by amendment:
203 080 100 - TOPSOIL-SALVAGING AND PLACING, Qty 4,096 CUYD
610 100 103 - SEEDING AREA NO 3, Qty 7.6 ACRES

Revised Plan Sheets 2 and 10 can be found here: **UPDATED SHEETS**

An amendment will be issued, and updated bid files will be posted.
-8-
Submitted: Friday 11-SEP-2026 08:46 AM
Company: Montana Materials & Construction
Contact: Estimating
The grading summary shows 22,536 cy of excess excavation. Per the notes on typical sections 2,3, & 5 is this excess material to be placed on roadway shoulders? If so, does the topsoil need to be stripped and replaced and then seeding done?
Answer
Submitted: Monday 14-SEP-2026 02:55PM
Please see response to Question #7.
-9-
Submitted: Friday 11-SEP-2026 04:14 PM
Company: LHC
Contact: Sam Weyers
There appears to be a high pressure gas main located west of the box pipe installation area. With deep excavation, bypass pumping, dewatering, temporary pipe diversions, etc, this utility will be in the way and cause concern for safety issues. Will this gas main be relocated so that it is a safe distance from all activity?

CURRENT QUESTIONS & ANSWERS

Answer
Submitted: Monday 14-SEP-2026 02:53PM
The high-pressure gas main will not be relocated. The installation of the RCB, stream diversion and all associated operations must be conducted to avoid disturbance to the high-pressure gas main.

1. GLASS BEADS

Roundness for glass spheres must have a minimum of 80% true spheres in accordance with AASHTO M247.

CONTRACT NO. 05926

Montana Department of Transportation
Construction Contracting Section

Date(s) Issued:
September 15, 2026

A M E N D M E N T S

For The Following Project(s)
To Be Let On:
September 17, 2026

101 – WHITEHALL - EAST
IM 90-5(101)249

REVISED SCHEDULE OF ITEMS
Adding Bid Items Item #:
203 080 100 TOPSOIL – SALVAGING AND PLACING, QTY 4,096 CUYD
610 100 103 SEEDING AREA NO 3 QTY 7.6 ACRES

INSTRUCTIONS – READ CAREFULLY
Amendments: Consist of contract revisions to the electronic bid files including added bid items, deleted bid items, or bid item quantity changes. Load the electronic amendment file while in the opened bid file to apply the amendment. The Schedule of Items printout on projects with amendments must show the amendment(s) applied at the bottom of each page to be considered responsive. Bid files for AASHTOWare Project Bids will only be updated for Amendments.

Wade Salyards

Wade Salyards, Section Supervisor
Construction Engineering Services

MONTANA DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

CONTRACT ID: 05926

PROJECT: IM 90-5(101)249 10003101001 WHITEHALL - EAST

SECTION: 0001 - PULVERIZATION

PROP LINE NO.	ITEM NUMBER	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY
0010	103000000	TRAINING PROGRAM	HOUR	500.00
0020	104030010	MISCELLANEOUS WORK	UNIT	20,000.00
0030	108000010	STRUCTURE ANALYSIS	LS	1.00
0040	109200005	MOBILIZATION	LS	1.00
0050	203020100	EXCAVATION-UNCLASSIFIED	CUYD	34,874.00
0060	203020225	EXCAVATION-STREET	CUYD	1,336.00
0070	203020310	SPECIAL BORROW-NEAT LINE	CUYD	1,028.00
0080	203030117	EXPLORATORY EXCAVATION	HOUR	10.00
0085	203080100	TOPSOIL-SALVAGING AND PLACING	CUYD	4,096.00
0090	208010005	PAR BMP ADMINISTRATION-LS	LS	1.00
0100	208010150	TEMPORARY EROSION CONTROL-LS	LS	1.00
0110	208010200	TEMPORARY EROSION CONTROL-FIXED	UNIT	500.00
0120	208010500	BIOENGINEERED BANK	LS	1.00
0130	210020170	TEST TRAILER-TRANSPORT,SETUP	MILE	54.00
0140	301020340	CRUSHED AGGREGATE COURSE	CUYD	272.00
0150	301020450	SPECIAL BACKFILL	CUYD	8,302.00
0160	301020625	AGGREGATE TREATMENT	SQYD	159,805.00
0170	302000000	PAVEMENT PULVERIZATION	SQYD	238,390.00
0180	304010000	PORTLAND CEMENT	TON	2,388.00
0190	304010002	BLOTTER MATERIAL	SQYD	132,005.00
0200	304010012	BASE-CEMENT TREATED-PULVERIZED	SQYD	132,005.00
0210	401020045	PLANT MIX SURF-3/4 IN	TON	92,802.00
0220	401020300	HYDRATED LIME	TON	1,299.00
0230	402020192	ASPHALT BINDER PG 58V-34	TON	5,012.30
0240	402020315	EMULSIFIED ASPHALT-TACK COAT	GAL	49,009.00
0250	402020368	EMULSIFIED ASPHALT CRS-2P	TON	112.70
0260	402020375	EMULSIFIED ASPHALT CHFRS-2P	TON	349.20
0270	409000000	FINAL SWEEP AND BROOM	CRMI	8.60
0280	409000020	COVER-TYPE 2	SQYD	196,297.00
0290	411010000	COLD MILLING	SQYD	213,850.00

SECTION: 0001 - PULVERIZATION

PROP LINE NO.	ITEM NUMBER	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY
0300	411011135	RUMBLE STRIPS	MILE	15.70
0310	551020030	CONCRETE-CLASS GENERAL	CUYD	16.60
0320	603000050	GRANULAR BEDDING MATERIAL	CUYD	224.00
0330	603000060	FOUNDATION MATERIAL	CUYD	448.00
0340	603013360	REIN CONC BOX 20 X 11	LNFT	228.00
0350	603587020	REMOVE PIPE CULVERT	LNFT	445.50
0360	606010020	GUARDRAIL-TEMPORARY	LNFT	1,838.00
0370	606010024	TEMP OPTIONAL TERM SECT	EACH	6.00
0380	606010117	HIGH-TENSION CABLE RAIL	LNFT	1,274.00
0390	606010118	HIGH-TENSION CABLE RAIL-TERMINAL	EACH	6.00
0400	606010130	RESET CABLE GUARDRAIL	LNFT	416.00
0410	606010140	GUARDRAIL END SECTION WIDENING	EACH	38.00
0420	606010230	GUARDRAIL-STL/BR APPR-TY 3	EACH	12.00
0430	606010330	MGS GUARDRAIL	LNFT	12,113.00
0440	606010335	MASH W-BEAM TERMINAL SECTION	EACH	32.00
0450	606010339	MGS GRDL STIFF 1/4 POST SPACING	LNFT	150.00
0460	606010370	RESET GUARDRAIL	LNFT	250.00
0470	606010385	REMOVE GUARDRAIL	LNFT	12,538.00
0480	606011502	RESET IMPACT ATTENUATOR	EACH	2.00
0490	606011518	TEMPORARY IMPACT ATTENUATOR	EACH	2.00
0500	607100147	FARM FENCE-TYPE F2M-32 IN WW	LNFT	380.00
0510	607100380	FARM FENCE-PANEL/DOUBLE FW	EACH	8.00
0520	607100551	FENCE-TEMPORARY	LNFT	280.00
0525	610100103	SEEDING AREA NO 3	ACRE	7.60
0530	610100559	REVEGETATION	LS	1.00
0540	610100561	EROSION CONTROL BLANKET-LONG-TERM	SQYD	268.00
0550	613100090	CULVERT INFILL	CUYD	338.00
0560	617000000	FOUNDATION-CONCRETE	CUYD	1.00
0570	617523010	SOL SIG-TRAF 1 COLOR-1 WAY 12	EACH	2.00
0580	617673200	SIG STANDARD TYPE 1-200	EACH	2.00
0590	617763410	RADAR VEHICLE DETECTION	EACH	2.00
0600	618030005	TRAFFIC CONTROL DEVICES CB	UNIT	400,000.00
0610	618030055	TRAFFIC CONTROL-RAMP CROSSOVER	EACH	6.00
0620	618030180	TRAFFIC CONTROL-CROSSOVER	EACH	6.00
0630	618030190	TRAFFIC CONTROL-TWO WAY TRAF	MILE	27.90
0640	618030215	WIDE LOAD MARSHALLING	LS	1.00

SECTION: 0001 - PULVERIZATION

PROP LINE NO.	ITEM NUMBER	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY
0650	618030300	CROSSOVER-MAINTAIN, CLOSE	EACH	4.00
0660	618100000	SINGLE USE SIGNS	SQFT	283.00
0670	618190100	TEMPORARY BARRIER RAIL	LNFT	300.00
0680	618190110	RESET TEMP BARRIER RAIL	LNFT	300.00
0690	619010062	SIGNS-ALUM SHEET INCR XI	SQFT	953.30
0700	619010090	SIGNS-ALUM REFL SHEET XI	SQFT	634.40
0710	619010230	REMOVE SIGN	EACH	37.00
0720	619010240	REMOVE SIGN-GUIDE	EACH	5.00
0730	619010300	POSTS-TUBULAR STEEL	LB	886.00
0740	619010310	POSTS-STEEL U SIGN	LB	451.00
0750	619010320	POSTS-STEEL STRUCTURAL SIGN	LB	942.00
0760	619010450	POLES-TREATED WOOD 4 IN	EACH	11.00
0770	619010460	POLES-TREATED WOOD 5 IN	EACH	9.00
0780	619010722	FRANG SIGN POST BKWY-S4 X 7.7	EACH	2.00
0790	619010724	FRANG SIGN POST BKWY-S5 X 10	EACH	2.00
0800	619010742	FRANG SIGN POST BKWY-3.5 IN RD	EACH	1.00
0810	619010744	FRANG SIGN POST BKWY-4 IN RD	EACH	4.00
0820	619011090	DELINEATOR TYPE 1	EACH	435.00
0830	620011105	WORDS AND SYMBOLS-WHITE PAINT	GAL	2.00
0840	620011260	WORDS AND SYMBOLS-WHITE EPOXY	GAL	2.00
0850	620012955	TEMPORARY STRIPING	LNFT	14,606.00
0860	620013000	STRIPING-WHITE PAINT	GAL	516.00
0870	620013960	STRIPING-WHITE EPOXY	GAL	345.00
0880	620014000	STRIPING-YELLOW PAINT	GAL	422.00
0890	620014960	STRIPING-YELLOW EPOXY	GAL	281.00
0900	622011084	GEOTEXTILE STABILIZATION	SQYD	1,444.00

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SPECIAL PROVISIONS

FEDERAL AID PROJECT NO(S). IM 90-5(101)249

(REVISED 6-25-26)

The following special provisions are hereby made part of the contract and supplement and/or supersede any sections of the Standard Specifications of Road and Bridge Construction, adopted by the Montana Department of Transportation and the Montana Transportation Commission and all supplements thereto in conflict therewith.

The following documents are hereby incorporated by reference into this contract:

- "Question and Answer Forum": Question and Answer Forum
- "Standard Specifications for Road and Bridge construction": Standard Specifications June 2026
- The most recent version of the Detailed Drawings: Detailed Drawings
- Materials Manual of Test Procedures: Materials Manual June 25, 2026

The latest version of the Standard Specifications, Biannual updates, and revision summaries can be found at the following website: Standard Specifications

The Question-and-Answer Forum opens at 5:00 p.m. on the bid letting advertisement date and closes at 8:00 a.m. on the Monday before the bid letting. If Monday is a state holiday, the forum will close on Friday before the bid letting at 3:00 p.m. Answers provided by the Department to the questions, clarifications, and notifications can be posted up to 5:00 p.m. on the day before the letting.

The U.S. Department of Transportation (DOT) operates a toll-free number at 1-800-424-9071, 24 hours a day – 7 days a week. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use this number to report such activities. All information will be treated confidentially, and callers may remain anonymous.

The Department attempts to provide reasonable accommodations for any known disability that may interfere with a person participating in any service, program, or activity of the Department. Alternate accessible formats of this document will be provided upon request. If reasonable accommodation is needed to participate in Department bid lettings, call the Civil Rights Bureau at 444-6331 or TTY 406-444-7696 [TTY 1-800-335-7592 (toll free)].

1. PROJECT DESCRIPTION [102]

The Whitehall – East project located in Jefferson County is a major rehab project that begins at the Whitehall Interchange (RP 249.0) and proceeds east 4.3 miles to RP 253.3. The intent of the project is to resurface the roadway. This project will also include removal and replacement of two large steel plate arch culverts at the Whitetail Creek crossing, a seal and cover, guardrail upgrades, rumble strips, pavement markings, signing, and delineation.

2. CONTRACT TIME – FLEX TIME PROCEED DATE [108] (REVISED 1-21-16)

A. General. This provision modifies Subsection 108.02 of the Specifications.

B. Notice to Proceed. The notice to proceed will be issued with an effective date of May 17, 2027. The Contractor may change the notice to proceed date to an earlier date if written notification is received at least ten calendar days in advance of the date selected and the selected date is approved by the Project Manager. Include an updated schedule with the notification.

C. Contract Time. Contract time assessment will begin on the notice to proceed date issued by the Department or as changed by the Contractor, whichever is earlier. Work is to be completed in 125 working days.

3. SEQUENCE OF OPERATIONS

A. Description. This work is the staging of construction operations to complete activities in accordance with the construction and timing requirements.

B. Construction. Sequence the construction operations in accordance with the following phase requirements. In addition to the requirements of Subsection 104.05, Maintenance of the work, and Subsection 108.04, Limitations of Operations, schedule operations to provide the least amount of inconvenience possible to the traveling public and adjacent property owners. One set of lanes may be closed at a time, maintaining two-way traffic at all times, while in crossover traffic.

1) Phase 1 - Open the crossovers, install traffic control devices, and install guardrail necessary to provide two-way traffic configuration in the westbound lanes. Install temporary barrier rail along the westbound lanes for culvert install.

2) Phase 2 - Install temporary facilities.

3) Phase 3 - Eastbound Culvert Replacement.

a) Close the eastbound lanes and maintain two-way traffic on the westbound lanes.

b) Excavate in accordance with Section 207.01.2 of the Standard Specifications.

c) Remove existing culverts and construct pipe bedding area. Install new box culvert, back fill, and compact. Repair affected road way with CAC and full depth plant mix surfacing.

d) Reset all removed guardrail and install new fencing. Phase 3 will be considered complete when two-way traffic is allowed on the eastbound lanes.

4) Phase 4 – Westbound Culvert Replacement, Pulverization, and Paving.

a) Close the westbound set of lanes and maintain two-way traffic on the eastbound lanes.

b) Complete construction activities including completion of culvert replacement, mainline and westbound off-ramp pulverization, grading, paving, rumble strips, striping, and guardrail replacement. Do not disturb the cattleguard. Off-ramp and ramp crossovers can remain closed for a maximum of 10 consecutive days. Complete ramp and mainline crossing to full depth plant mix surfacing prior to opening to traffic.

c) Phase 4 will be considered complete when two-way traffic is allowed on the westbound lanes.

5) Phase 5 – Eastbound Pulverization and Paving.

a) Work includes construction activities in the eastbound lane including mainline and eastbound on-ramp pulverization, grading, paving, rumble strips, striping, and guardrail replacement. Do not disturb the cattleguard. On-ramp and ramp crossovers can remain closed for a maximum of 10 consecutive days. Complete ramp and mainline crossing to full depth plant mix surfacing prior to opening to traffic.

6) Phase 6 - Following the restoration of traffic to the original configuration, complete seeding, seal and cover, permanent traffic signing, and epoxy pavement markings.

7) Place traffic back to original configuration during winter shutdown and have all plant mix that was removed placed back to full depth prior to Nov 1st, otherwise a road user cost be implemented for every calendar day that traffic is in Two-Way configuration.

8) Alternate Sequence of Operations may be submitted for project manager review. The Department will consider alternate sequencing such that other requirements of these provisions are satisfied, and the proposed sequence reduces impacts to the travelling public.

C. Measurement and Payment. The sequence of operations is considered incidental to the project and is not measured for payment.

4. COORDINATION WITH OTHER PROJECTS

Federal Aid Project No. IM 90-5(101)249 Whitehall – East, and IM 90-5(102)249 Cardwell - West, may be under construction at the same time as this project. For Whitehall – East and Cardwell - West, coordinate work with MDT project manager.

All work associated with the Coordination of Other Projects is incidental to other bid items and is not measured separately for payment.

5. CONTRACT DOCUMENTS [102] (REVISED 1-15-26)

The following documents are now available within the Contractors Reference Material on the Department's Contracting and Bidding webpage https://www.mdt.mt.gov/business/contracting/ :

1) Table of Contractor's Submittals. (Revised 1-15-26)
2) Traffic Control Rate Schedule (Revised 3-9-23)
3) Erosion Control Rates (Revised 1-09-25)

6. LABOR AND CIVIL RIGHTS REQUIREMENTS [102] (REVISED 1-15-26)

Executive Orders 13658 and 13706 do not apply to this contract. Pay the minimum wage rates contained elsewhere in the bid package and comply with the required contract provisions contained in the form FHWA 1273 included with this contract. To obtain more information, contact the Department's Construction Engineering Services Bureau at 2701 Prospect, Helena, MT (406)475-2258, (800)335-7592 (TTY) or (406)444-7297 (Fax).

Ensure bulletin board requirements contained in the FHWA Form 1273 are met. Please see the following webpage for required bulletin board materials:

Bulletin Board Materials & Requirements

7. SOIL BORING INFORMATION [102] (REVISED 1-16-14)

The Department routinely conducts subsurface investigations and laboratory testing to collect soil, rock and groundwater information ("geotechnical information") within the anticipated limits of upcoming projects and maintains a comprehensive set of this information in its geotechnical file. For this contract, geotechnical information has been collected by the Department and logs of boring summarizing this information have been included in the Special Provisions and Plans. "Logs of Borings" in the Special Provisions and Plans are based on an interpretation of the field investigation and laboratory testing data, and do not include all the geotechnical information that may be available. The geotechnical information contained in the "Logs of Borings" has been edited or abridged and may not reveal all the geotechnical information which might be useful or of interest to the bidder.

The comprehensive set of geotechnical information is considered too voluminous to include in the bidding package. The geotechnical information that the Department has is available for review or copying upon request. Rock core samples are regularly retained as well. All bidders are expected to fully review all of the geotechnical information prior to submitting their bid. The prime bidder is responsible for ensuring that a firm submitting a subcontractor quote for the prime's use is aware of all available geotechnical information.

Submission of a bid without fully reviewing the Department's comprehensive set of geotechnical information or accepting a quote from a subcontractor without verifying that the subcontractor reviewed all available geotechnical information is a business decision by the bidder. Failing to fully review all available geotechnical information waives the contractor from making any claim, whether termed "superior knowledge", "justifiable reliance", "differing site condition", or otherwise, against the Department for any information that may be included in the comprehensive geotechnical information file and not shown, or not fully shown, in the "Logs of Borings" contained in the contract documents.

Soil, rock, and groundwater conditions shown on the logs of boring apply only at the specific boring locations and at the time the borings were made. They are not warranted to be representative of subsurface conditions at other locations or times. Groundwater conditions commonly vary seasonally and from that encountered during drilling. Determination of a material's classification is based in part on judgment and opinion. The Department assumes no responsibility for any variation or misinterpretation of the classification of materials.

Utilize the Question and Answer forum to request additional geotechnical information or to submit questions regarding the geotechnical information. To review all available geotechnical information, submit a request in writing to the Department's Geotechnical Section to schedule a

time to review the available geotechnical information. Requests for access should be made a minimum of 10 business days prior to the bid opening.

8. BIDDER'S PROPOSED AGGREGATE SOURCE(S) [103] (REVISED 8-07-25)

No later than 7 calendar days after the date of bid-opening (the date of bid opening to count as the first full day), submit to ECCS form MDT-CON-106-02-3 in accordance with Subsection 103.11.

9. PARTNERING [105] (ADDED 1-11-24)

In accordance with Subsection 105.05.1, this contract requires Level (II) facilitation.

10. DOMESTIC MATERIALS REQUIREMENTS [106] (REVISED 11-13-25)

A. Steel and Iron Materials. Furnish iron and steel materials in accordance with subsection 106.09. A manufactured product consisting primarily of steel and iron as defined in 23 CFR 635.410 is accepted under subsection 106.09.

B. Construction Materials. Furnish construction materials manufactured in the United States. Construction materials include articles, materials, or supplies that are or consist primarily of:

- Non-ferrous metals.
- Plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables).
- Glass (including optic glass).
- Fiber optic cable (including drop cable).
- Optical fiber.
- Lumber.
- Drywall, and
- Engineered wood.

Construction materials exclude cement and cementitious materials, aggregates including stone, sand, or gravel, or aggregate binding agents (e.g., asphalt binder) or additives (e.g., polymer modifiers and admixtures).

Manufacturing processes for the construction material must occur in the United States. Manufacturing processes for each of the bulleted construction materials above are defined in 2 CFR 184.6 and are summarized below.

a) Non-ferrous metals: Initial smelting or melting through final shaping, coating, and assembly.

b) Plastics: Initial combination of plastic, polymer based, or composite materials until item is in its final form.

c) Glass: Initial batching and melting, annealing, cooling, and cutting.

d) Fiber Optic Cable: Initial ribboning, buffering, and fiber stranding and jacketing.

e) Optical Fiber: Initial preform fabrication through completion of draw.

f) Lumber: Initial debarking, treatment, and planing.

g) Drywall: Initial blending of gypsum, cutting, and drying of sandwiched panels.

h) Engineered Wood: Initial combination of constituents until item is in its final form.

C. Manufactured Products. Furnish manufactured products as defined in 2 CFR 184.3 that meet the requirements of 23 CFR 635.410. Beginning with the letting of November 13, 2025, the final fabrication of all manufactured products must occur in the United States. Beginning with the November 12, 2026 bid letting, the product must be manufactured in the United States and the cost of the components of the manufactured product that are mined, produced or manufactured in the United States must be greater than 55% of the total cost of all components of the manufactured product.

With respect to precast concrete products that are classified as manufactured products, ensure the components of precast concrete products that consist wholly or predominantly of iron or steel or a combination of both meet the requirements of subsection 106.09.

D. General. Domestic materials preference applies to articles, materials, and supplies that are consumed in, incorporated into, or affixed to a project. It does not apply to tools, equipment, and supplies brought to the construction site and removed at or before the completion of the project (e.g., temporary aluminum scaffolding). Buy America preference does not apply to equipment and furnishings that are used at or within the finished infrastructure project but are not permanently affixed to the structure (e.g., movable chairs, desks, or computer equipment used at or within the project but are not integral or permanently affixed to a structure).

Refer to the decision tree in Section 3.5 of MT 601 to aid in appropriately categorizing specific materials.

Submit Form MDT-MAT-407 “Manufacturer’s Certificate of Compliance” for every material identified as a construction material or manufactured product. Do not incorporate materials covered by Form MDT-MAT-407 into the project until all required documentation is submitted to the Department. Ensure suppliers and manufacturers understand the domestic material and contract requirements to supply the required materials and associated documentation.

The Department will not accept items installed until all supporting documentation has been reviewed and is found to be in accordance with the contract requirements. Insufficient or unavailable documentation or documentation showing products containing construction materials of foreign origin are grounds for removal and replacement at the contractor’s expense. The Department has designated contract materials as either “construction materials” or “manufactured products” by their respective 9-digit material codes in section MT 601 of the Montana Materials Manual. The Department recognizes there will be situations where a product or material may not fit the designation indicated in section MT 601. In these cases, submit documentation demonstrating or justifying the supplier or manufacturer’s position that their specific item has been misclassified to the Project Manager at least 10 business days in advance of installation. The Department, in conjunction with FHWA, will review the submitted documentation and decide as to how that specific product or material will be classified. These determinations will be final, and the appropriate documentation as defined above is required.

The Department further recognizes there will be situations when a product or material may not be addressed in MT 601. In these cases, submit certification of the material’s domestic origin appropriate for the material classification to the Project Manager prior to installation.

The US DOT has found that it is in the public interest to issue a waiver of domestic preferences in certain situations. For construction materials and manufactured products, the domestic preference may be waived if the total value of non-compliant material is under $1,000,000 or 5% of the total applicable project costs, whichever is less. Submit actual individual material costs, minus manufacturing costs outside the defined manufacturing processes outlined above, along with justification in the form of invoices, bills of lading, or other appropriate documents to the Department if requesting the waiver.

The above waiver does not apply to iron and steel, the existing de minimis standard for iron and steel under subsection 106.09 continues to apply.

A project with a total contract value of $500,000 or less is exempt from all domestic preference regulations including steel and iron.

11. NOTICE TO BIDDERS [108] (ADDED 11-21-08)

This project is funded in whole or in part by funds received from the Federal Highway Administration (FHWA), and its construction is wholly contingent on the state's continued receipt of those federal funds. If the federal funds are reduced or not received, the Department may choose to terminate the contract for convenience under the provisions of Subsection 108.10.

Any bidder on this project, by submitting its bid, understands and accepts the possibility of the contract being terminated in the event federal funds are reduced or not available and by submitting a bid, each bidder waives any claims for costs or damages other than as specifically allowed by Subsection 108.10.2. In particular, bidders understand and accept that no payment will be allowed for any claimed anticipated profit for work not performed.

12. CONSTRUCTION EQUIPMENT ON STRUCTURES [107] (REVISED 9-21-23)

A. Description: Requirements associated with the operation of equipment on structures.

B. Definition. The following definition applies to this special provision:

1) Equipment. Any vehicle or machine weighing more than 5000 pounds.

C. Construction Requirements. Do not use bridges as work platforms, work bridges, or to support or move equipment without the Project Manager's written approval.

1) For bridges having no posted load restrictions and no removal of deck concrete (not milled), provide a full engineering submittal for approval for all equipment utilizing outriggers on the structure and for any equipment not already approved under one of the following conditions:

a) Legal Loads. A vehicle that is a legal load as defined by Section 61-10 MCA.

b) Pre-Approved Equipment. The equipment is currently listed on MDT's Approved Construction Equipment List (ACEL) and will be operated according to any conditions stated in the ACEL.

2) For bridges with a posted load restriction or if bridge deck concrete is partially milled or removed, submit a full engineering submittal for approval for any of the following cases:

a) Equipment weight exceeds 25 tons.

b) Vehicle weight and configuration does not satisfy the posted load restriction.

c) More than one piece of equipment will be simultaneously located on a span.

d) Concrete removal results in significant debonding of the top mat of deck reinforcing steel. The Project Manager, in conjunction with the Bridge Bureau, will determine if significant debonding is present.

e) Repairs to bridge beams or truss members are specified in the contract and repairs are not complete.

f) Equipment outriggers will be used.

3) Full engineering submittal requirements. Submit an engineering analysis and report performed by a Professional Engineer registered in Montana.

a) Engineering analysis. Clearly describe loading conditions and assumptions and provide calculations. Investigate an envelope within which the equipment may function without damaging the structure or endangering workers or the public. MDT proposes the following topics, at a minimum. Provide additional information when necessary.

(1) Load Cases.

(a) Minimum suggested live load vehicles are Type 3 and Type 3S2 trucks in live load combinations from AASHTO "Manual for Condition Evaluation of Bridges."

(b) Consider all loads on the bridge including axle loads, outriggers, equipment dynamic forces, and wind forces on the load, the boom, and the equipment. Consider deflection and secondary force effects. Include traffic live load if the structure will carry traffic during equipment operations.

(c) Investigate different loading combinations for all configurations. Include the distribution of dead load and changing center-of-gravity of the equipment with and without load at different boom extensions, rotations, and elevations.

(2) Structural Effects. Identify critical members. Determine any conditions under which the equipment cannot safely operate.

(a) Written Report. Provide a report containing a narrative summarizing the results of the analysis. Describe special measures necessary to protect the structure through all phases of the equipment's positioning and use. Include drawings as necessary and indicate any minimum equipment clearances to relevant portions of the structure and to traffic flow. Estimate the work's duration.

D. Method of Measurement. Work associated with this provision is not measured for payment.

E. Basis of Payment. Include all costs associated with the requirements of this provision in the lump sum bid for Structure Analysis. Exception: If a full engineering analysis is required as a result of top mat debonding alone (none of the other criteria listed under C.2 are met) then it will be considered extra work and considered for time extension under 108.07.5.

13. TRAINING PROGRAM [109] (REVISED 3-19-26 M)

Provide on-the-job training for 1 trainees. For more information and requirements of the job training program, see Subsection 109.12.

The Department’s Civil Rights Bureau has taken oversight of the Training Program. Within Subsection 109.12, all references to the CES Bureau will now be rescinded and replaced with the Civil Rights Bureau.

14. MOISTURE SENSITIVE SOILS [203] (REVISED 9-11-14)

A. Description. Subsurface investigation for this project indicates that subgrade and/or foundation soils located within the project limits are sensitive to changes in moisture content, and may cause construction difficulties. Use construction methods and equipment appropriate for moisture-sensitive soils.

B. Construction. Unless otherwise specified in the contract or by the Project Manager, limit the length of subgrade exposed to precipitation events to an amount that can be adequately sealed by the contractor within 30 minutes of the start of a precipitation event.

Many possibilities are available to facilitate construction and to achieve proper compaction of the subgrade or foundation soils in the project limits. The Department does not direct the use of any of them. However, in preparing bids, identify measures to address the identified conditions. Some possibilities to consider are:

1) Sealing the surface of all exposed subgrade/foundation by rolling with a smooth drum roller whenever work at a particular location is interrupted for 6 or more hours and at the end of each work day;

2) Grading and sloping the surface of all exposed subgrade/foundation to facilitate unimpeded surface drainage away from the work area; and/or,

3) Allowing soils to adequately dry (including after precipitation events) before attempting any type of construction work on the subgrade/foundation soils.

C. Method of Measurement and Basis of Payment. Include all costs for the method(s) chosen to effectively address construction on moisture sensitive soils in the bid item for unclassified excavation/borrow. No additional compensation will be allowed or given for claimed increased costs to address that portion of the work addressed by this provision.

15. CONTAMINATED SOIL [208] (REVISED 9-9-21 M)

Petroleum hydrocarbon contaminated soils may be encountered on this project at station 120+45 (westbound) and 1020+14 (eastbound). Follow the requirements of Subsection 208.03.8 (C) if contaminated soils are encountered.

16. UTILITY EXPLORATORY EXCAVATION

A. Description. This work is exploratory excavation using soft excavation equipment such as a vacuum truck or other approved methods in areas where there are potential existing utility conflicts with new guardrail to be installed.

B. Construction Requirements. There are utilities under/adjacent to the new guardrail shown in plans. Utility depths are unknown.

1) Perform exploratory excavations at all potential conflict locations.

a) Conflicts with existing electric utilities and gas transmission main near culvert replacement have been identified from stations 100+00 thru 107+24 along the westbound lanes and 1000+00 to 1011+30 along the eastbound lane.

b) Potential Conflict with existing gas transmission main near culvert replacement have been identified from stations 119+85 along the westbound lanes.

c) Other conflicts may exist but have not been identified. Call the utilities underground location center (811) or other notification system for the marking and location of all lines and services before excavating. Use caution when excavating 10 feet at northwest corner of culvert located at 119+85 on westbound lane, remain 10 feet away from this gas main at all times.

Verify the precise horizontal and vertical location of the existing utilities and provide the information to the Project Manager. Advise the Project Manager of potential conflicts between existing utilities and proposed guardrail. Following approval by the Project Manager, complete all exploratory excavation and verification of horizontal and vertical locations prior to beginning installation of new guardrail such that any necessary design adjustment can be accommodated prior to installation. Complete backfill and temporary surfacing (if applicable) as directed by the Project Manager. Contact representative Jim Pesanti 406-494-9628, 48 hours prior to working under or around electric facilities to coordinate work and receive information regarding the MDT electric utilities. Contact representative for Northwestern Energy is Joe Carmody - Damage Prevention Coordinator 406-497-2276 (office) or (406) 422-3276 (cel), 10 calendar days s prior to working around the gas main to coordinate work and receive information regarding the Northwestern Energy's Gas Main.

C. Method of Measurement and Basis of Payment. Measurement and payment for the utility exploratory excavation to locate existing utilities is paid as Exploratory Excavation per hour. Payment will be full compensation for all labor, tools, equipment, and all resources necessary to complete this item of work under the contract.

17. MONTANA FLOODPLAIN AND FLOODWAY MANAGEMENT ACT [208] (REVISED 9-9-21M)

A. This contract is located within the regulated floodplain of the Whitetail Creek (aka Whitetail Deer Creek), Jefferson County, Community Panel Number 3001540550B (Effective), Map Number 30043C0888C (Preliminary). The Department has obtained a preconstruction floodplain permit from the Jefferson County Planning Department, PO Box H, Boulder, MT 59632, 406-225-4040 for the permanent features associated with this contract. A copy of this floodplain permit is available upon request from the Project Manager.

B. Review Subsection 208.03.3(J) for more information.

C. Requirements.

1) A condition of the permanent facilities floodplain permit includes the completion of a Letter of Map Revision (LOMR). In order to complete the LOMR process an as-built survey of the project will be completed by MDT from 400-FT west of culvert to 600-FT east of culvert (including culvert and channel 50-FT upstream and downstream) to verify the project was constructed according to the plans and specifications. Any deviation from the project plans within the limits listed above will be discussed with project design personnel prior to the deviations taking place. Deviations not discussed with design personnel will be reconstructed to conditions acceptable to the Project Manager at the cost of the Contractor.

18. ENVIRONMENTAL SPECIFICATIONS [208] (ADDED 9-9-21M)

The Contractor is required to review and meet the specifications of the following subsections:

MBTA-Vegetations Removal	Subsection 208.03.4A(1)
Work in Bear Habitat	Subsection 208.03.4E
AIS Watercraft and Equipment Inspection	Subsection 208.03.2D

19. PROTECTION OF AQUATIC RESOURCES [208]

A. Description. Aquatic resources are protected under federal, state, and tribal laws and regulations including but not limited to the Clean Water Act and the Stream Protection Act. The following approximate location(s) have been identified as apparent aquatic resources in the project limits:

1) RP 249.32 – RP 249.48 WB northside: wetlands associated with Whitetail Deer Creek
2) RP 249.40 – RP 249.53 EB southside: wetlands associated with Whitetail Deer Creek
3) RP 250.84: unnamed intermittent/ephemeral stream #1 crossing
4) RP 251.07 – RP 251.26 WB northside: St. Paul Gulch (intermittent/ephemeral)
5) RP 251.26: St. Paul Gulch (intermittent/ephemeral) crossing
6) RP 251.49 – RP 251.58 WB northside: unnamed intermittent/ephemeral stream #2
7) RP 252.58: unnamed intermittent/ephemeral stream #3 crossing
8) RP 252.92: unnamed intermittent/ephemeral stream #4 crossing
9) RP 253.25: unnamed intermittent/ephemeral stream #5 crossing

Additional aquatic resources may be present within the project limits. Coordinate with the Project Manager to identify these areas in the field.

B. Construction. Materials are prohibited from placement in aquatic resources. Impacts to aquatic resources resulting from project activities have not been permitted or authorized. Impacts to these areas and associated consequences are the responsibility of the Contractor.

1) Conduct work in a manner that avoids impacts to aquatic resources in accordance with Subsection 208.03.2. Prevent all material from entering aquatic resources.
2) Submit an Aquatic Resource Protection Plan to the Project Manager and DEES detailing the BMPs or alternate methods proposed for each location a minimum of 10 business days prior to start of work. Modification(s) to the Contractor's aquatic resource protection plan or BMPs requires approval from the Project Manager.
3) Implement BMPs to prevent placement of materials in aquatic resources. BMPs may include:
   a) A stable physical barrier that prevents 100% of material from entering aquatic resource areas.
   b) Modified sweeping and brooming methods.
   c) Pickup and dispose of chips.
4) Remove and dispose of any physical BMPs upon completion of the project work.

C. Measurement and Payment. Work and materials to protect aquatic resources is measured by the lump sum. Include the costs to install, maintain, and remove BMPs in the unit price for PAR-BMP ADMINISTRATION – LS. Payment for the lump sum item will be in accordance with Table 208-2 of the Standard Specifications.

20. STREAM PROTECTION ACT 124 [208]

A. Description. The proposed project has been authorized by Preconstruction Stream Protection Act (SPA) 124 No.: MDT-R3-06-2026, by the Montana Department of Fish, Wildlife, and Parks (FWP); provided the General and Special Conditions listed below are followed. This Preconstruction SPA 124 authorizes the permanent features at the following locations:

Station	Waterbody
120+45 (WB) 1020+14 (EB)	Whitetail Deer Creek

B. General Conditions

1) Meet the specifications listed in Subsection 208.03.3G.

2) Obtain a temporary facility SPA 124 Permit/Authorization in accordance with Subsection 208.03.2B.

3) Obtain a Short-Term Water Quality Standard for Turbidity (318 Authorization) from DEQ in accordance with Subsection 208.03.3D.

C. Special Conditions

1) NO in-stream work from April 1 to May 15 AND from October 1 to November 1.

2) Notify the Project Manager a minimum of 10 working days prior to starting work authorized under this permit. The Project Manager will notify the District Biologist a minimum of 5 working days prior to starting this work.

a) Copies of the Preconstruction SPA 124 Authorization are available upon request from Environmental Services.

b) Contact the Project Manager for coordination with the District Biologist on questions regarding this authorization.

21. CULVERT IN-FILL & FISH PASSAGE REQUIREMENTS

A. Description. This work includes the installation of the culvert infill material on Whitetail Creek.

B. Materials. Culvert infill material consists of Class 1 Ancillary Armor, Class 2 Ancillary Armor and Salvaged Streambed Material.

1) Class 1 and Class 2 Ancillary Armor. Provide Class 1 and Class 2 Ancillary Armor per subsection 701.06.

2) Salvaged Streambed Material. Salvage natural streambed material to use as infill when excavating the streambed for RCB placement.

3) Filter Material No. 1. Provide Filter Material No. 1 per Subsection 701.05.

C. Construction Requirements.

1) Whitetail Creek RCB: Infill RCB in accordance with the details and special provisions included in the contract.

a) The Contractor and operator performing the work must attend a Culvert Infill pre-work meeting on site to discuss the proposed Culvert Infill design and installation. Coordinate with the PM to schedule the pre-work meeting a minimum of ten business days prior to starting the work. Design intent, materials, construction equipment and operation, task sequencing and construction methods will be discussed and finalized before work can commence. Notify the Project Manager a minimum of 10 business days prior to initiating the Culvert Infill work. The Project Manager will coordinate with the MDT District Biologist and other staff.

2) Place Class 1 Ancillary Armor for extents of the RCB Culvert Infill detail.

3) Use Salvaged Streambed Material to fill the Ancillary Armor voids.

a) Using 6” lifts, place the Salvaged Streambed Material on the Ancillary Armor and pressure wash the Salvaged Streambed Material into the Ancillary Armor voids.

b) Continue adding Salvaged Streambed Material and pressure washing to fill Ancillary Armor voids to 100 percent of the lift thickness until water pools on top of the infill material.

c) Use Filter Material No. 1 if sufficient Salvaged Streambed Material quantities are unobtainable.

4) New RCB dimensions may prohibit large equipment from placing riprap and salvaged stream bed material infill inside the pipe after it has been installed to full length.

a) Non-typical methods or sequence of operations may be required to properly place infill materials into new RCBs.

D. Method of Measurement. The placement of RCB infill material on Whitetail Creek will be measured for payment as the full placement of all infill materials per the cubic yard of Culvert Infill.

E. Basis of Payment. Include the cost of all materials, handling, equipment, tools, and labor necessary for the complete installation of the RCB Infill material in the contract unit bid price per cubic yard of CULVERT INFILL

22. STORM WATER PERMITTING REQUIREMENTS UNDER THE MT POLLUTANT DISCHARGE ELIMINATION SYSTEM (MPDES) [208] (REVISED 8-10-23)

A. Description. The DEQ regulates storm water discharges under the MPDES program. If the bid package contains blank erosion control plans, a construction storm water discharge permit authorization will be required. If not, a storm water discharge permit authorization may be required for this project depending on Contractor's operations. Sum the disturbance area (as defined by DEQ) identified in the contract with the area of disturbance caused by contractor operations to determine if the permit acreage threshold is exceeded. Contractor operations can include, but are not limited to, the following support activities: staging areas, access roads, material storage areas, temporary concrete, or asphalt batch plants, borrow areas, areas used for fill placement, etc. If the summed disturbance area is one acre or more, use the DEQ authorization to discharge under the MPDES General Permit for Storm Water Discharges Associated with Construction Activity (General Permit) for this project. In order to facilitate permit transfer, separate NOI packages are required for areas within the right-of-way and areas outside of the right-of-way. A NOI package includes a Notice of Intent, with a topographic map, a SWPPP, the erosion control plans, sage grouse consultation letter, if applicable, and supporting documentation.

Blank Erosion Control Plans, and a topographic map, are provided with the plans if the plans include greater than 1 acre of disturbance. Complete the erosion control plans as required by the general permit. Complete the SWPPP using DEQ's most current SWPPP Form.

B. Materials. Follow the requirements described in the Department's *Erosion and Sediment Control Best Management Practices Manual (December 2016)*. Rescind Section 208 detailed drawings. Submit to the Project Manager for review and acceptance BMPs proposed for use that are not included in the Manual.

C. Construction Requirements.

1) MPDES Permit Required.

a) Submit one NOI package and the associated fees to DEQ for ground disturbance areas shown in the plans or within the right-of-way. For ground disturbance areas shown in the plans and any other areas within the right-of-way where Contractor activities causing ground disturbance are planned, the Contractor is the sole permittee until construction is complete and the General Permit is transferred to the Department or another entity.

The Department is not responsible for delays caused by incomplete or inaccurate submittals by the Contractor.

Comply with the requirements of the General Permit and implement the SWPPP. Provide an electronic copy of the NOI Package submitted to DEQ and confirmation for receipt of a complete NOI Package from DEQ to the Project Manager prior to conducting any ground disturbance activities.

Do not begin construction activities until the required copy of the NOI Package submitted to DEQ and confirmation for receipt of a complete NOI Package from DEQ is received by the Project Manager.

b) Furnish and install public signage as required by the General Permit. Include the cost of the required sign(s) in the Temporary Erosion Control Lump Sum bid item. Submit a separate NOI package and the associated fees to DEQ for ground disturbance and support

activity areas outside the right-of-way and not shown in the plans. Contractor furnished material sources, staging areas, plant sites, or any other Contractor caused ground disturbance outside the right-of-way and not shown in the plans, are the Contractor's responsibility and must be submitted under a separate NOI package from the ground disturbance within the right-of-way. For all support activities outside the right-of-way which are not part of a larger commercial operation serving multiple unrelated construction activities and will not continue operation beyond the completion of the contracted road construction activity, a notice of intent package must be submitted to DEQ to obtain an authorization under the General Permit. Sand and gravel borrow area operations, gravel pits, and/or concrete batch plants that will continue operation beyond the completion of the contracted road project, are part of a larger commercial operation, or serving multiple unrelated construction activities, must obtain permit coverage under the Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity (MSGP) regardless of acreage size of the activity if the activity does not already have MSGP authorization. The Contractor is the sole permittee until stabilization is complete and the General Permit is terminated or transferred to another entity. The Department is not responsible for delays caused by incomplete or inaccurate submittals to DEQ by the Contractor.

Provide copies of all NOI Packages submitted to DEQ and confirmations for receipt of complete NOI Packages from DEQ to the Project Manager prior to conducting any ground disturbance activities.

Be responsible for all temporary erosion, sediment, and pollution prevention controls for Contractor furnished material sources, staging areas, plant sites, or any other Contractor caused ground disturbance outside the right-of-way and not shown in the plans.

c) Complete and document all inspections in accordance with the requirements of the General Permit. Use DEQ's most current self-inspection form available online at: https://deq.mt.gov/files/Water/WQInfo/Documents/WPBForms/2023-Attachment-B-MTR100000.pdf. Provide a copy of all inspection reports to the Project Manager within 7 calendar days of the inspection.

Report potential noncompliance in accordance with applicable regulations, guidance, and permit conditions. Submit to the Project Manager within 7 calendar days of sending or receiving all correspondence to or from regulatory agencies regarding potential noncompliance or violations.

The temporary erosion and sediment control measures and devices to prevent pollution and control sediment transport and soil erosion will be inspected as part of the final inspection to ensure they are maintained and functioning properly. Do not transfer or terminate the General Permit coverage until the BMPs are inspected and accepted and all records required under the permit, including inspection and monitoring reports, are furnished to the Project Manager and authorization is received from the Department. The Department may require that certain BMPs be replaced by another type of BMP as a condition of permit transfer.

Upon approval of site conditions, measures, devices and all pertinent records, the Department will notify the Contractor to begin the Permit Transfer Notification in DEQ FACTS. Once completed, provide verification that all fees have been paid and the permit is ready for transfer in DEQ FACTS. The Department is not liable for the completeness or accuracy of Contractor records completed prior to the permit transfer. Ensure permit conditions and responsibilities are met until confirmation of the transfer is received from DEQ. Defend and hold the Department harmless from any violations, claims, enforcement actions, penalties or fines issued for Contractor activities or recordkeeping that occurred prior to the transfer of the General Permit.

If the Department concurs that final stabilization has been met during the final walk-through, the Contractor may submit a Notice of Termination form to DEQ. Pay the annual fee invoice due at the time of termination. Submit the annual fee invoice to the Project Manager for reimbursement.

2) MPDES Permit not Required.

The BMP-Administration item is included in contracts that may not meet either criteria for an MPDES permit but include ground disturbing activities. Complete BMP inspections and install BMPs, if necessary, in accordance with Section 208, if no storm water permit is required. Utilize form MDT-ENV-014, Water Pollution Control Inspection Report. A certified SWPPP Administrator is not required to conduct the inspections if no permit is required.

D. Method of Measurement. DEQ MPDES fees and monitoring costs associated with obtaining and maintaining the General Permit for ground disturbance areas both within and outside the right-of-way are not measured separately for payment.

If no permit is necessary, include the cost of all erosion control, devices, and inspections in the BMP-Administration bid item.

E. Basis of Payment. No additional payment will be made for the DEQ MPDES fees and monitoring costs associated with the General Permit. Include these costs in the Temporary Erosion Control-Lump Sum bid item.

For project including the BMP-Administration item, include the cost of all erosion control, devices, and inspections in the BMP-Administration bid item. Partial payment for the BMP-Administration will be monthly based on the lump sum contract price in accordance with Table 208-2 in Subsection 208.05.1.

Payment for BMPs required by an event or extra work, and approved by the Project Manager, will be measured and paid for in accordance with the Erosion Control Rate Schedule contained in the contract at a unit price of $1.00 per unit.

23. CLEAN WATER ACT SECTION 404 PERMIT AND SECTION 401 CERTIFICATION

A. Description. This provision describes the project work that has been authorized under Sections 404 and 401 of the Clean Water Act (CWA) and the associated conditions that must be adhered to for compliance with CWA requirements.

B. Section 404 CWA Nationwide Permit 3 Description. The permanent features of this project are authorized under US Army Corps of Engineers Nationwide Permit 3 – Maintenance.

1) The permit for this project authorizes the following project work to be performed within waters of the US, without pre-construction notification.

a) Replacement of the existing double 12’10“ x 8’4” x 222.75’ SPPA culverts that convey Whitetail Creek with a single 20’ x 11’ x 228’ reinforced concrete box (RCB) at approximately station 120+45 (WB) and station 1020+14 (EB). Section 34, Township 2N, and Range 4W. Latitude 45°52'36.7"N, Longitude 112°05'38.3"W

b) No additional placement of riprap.

c) No removal of accumulated sediments and debris except within, and in the immediate vicinity of, the structure or fill.

2) This authorization is valid until March 14, 2026.

3) Obtain the Nationwide Permit 3 Fact Sheet that fully describes the Nationwide Permit 3 and lists the General Conditions that must be adhered to for this authorization to remain valid. Adhere to the General Conditions.

C. Section 404 CWA Nationwide Permit 33 Description. Obtain authorization for the temporary features of this project (e.g. work bridges, work pads, cofferdams, diversions, etc.) under a US Army Corps of Engineers Nationwide Permit 33 – Temporary Construction, Access, and Dewatering.

1) Acquire an additional Section 404 Permit and 401 Certification authorization for temporary discharges that are:

a) Located within 100 feet of the water source in natural spring areas;

b) Within the boundaries of any Tribal Reservation or Tribal trust lands;

c) Within the following waterways and their impoundments: Kootenai River, Missouri River, Yellowstone River, Bitterroot River, Clark Fork River (tributary to the Columbia River), Flathead River, Flathead Lake, and Milk River; or,

d) Within Special River Management Zone of the Upper Yellowstone River.

Prepare and submit a joint application in accordance with Section 208.03.3. MDT is not responsible for delays caused by incomplete or inaccurate submittals by the Contractor.

2) For all other temporary discharges, submit a written description to the Project Manager detailing the temporary facilities planned for the project, along with the associated restoration plan. Allow 5 working days for the Project Manager to review the plan and confirm CWA 404 pre-construction notification is not required. For temporary discharges authorized under Nationwide Permit 33 without pre-construction notification, the authorization is valid until March 14, 2026.

3) Obtain the Nationwide Permit 33 Fact Sheet that fully describes the Nationwide Permit 33 and lists the General Conditions that must be adhered to for this authorization to remain valid. Adhere to the General Conditions.

D. CWA Section 404 Regional Conditions. Obtain the 2021 Nationwide Permits Regional Conditions, Omaha District, State of Montana, Effective February 25, 2022, that also apply to this project and must be adhered to for these authorizations to remain valid. Adhere to the Regional Conditions, including but not limited to the following:

1) Temporary fills in wetlands must be placed on a horizontal marker layer, such as fabric or certified weed-free straw, to delineate the pre-project ground elevation and facilitate complete fill removal and site restoration.

2) All erosion control blanket or fabric used in or adjacent to waters of the U.S. must be comprised of degradable material to ensure decomposition. Do not use material that includes stabilized netting or stabilized open mesh, as these products take a long time to degrade and they can trap small animals, birds, amphibians and fish. This prohibition also applies to mesh materials used for wattles, rolled materials, and bank wraps. Erosion control blanket or fabrics that break down within 24 months are acceptable. Non-degradable blankets or fabric may be allowed on a case-specific basis if it will be buried beneath riprap or structures and it is not likely to be exposed. Non-degradable blanket or fabric that becomes exposed within waters of the US must be removed.

E. CWA Section 401 Water Quality Certification is granted for Nationwide Permit 3 and Nationwide Permit 33 by the Montana Department of Environmental Quality (DEQ), provided that certain general and special conditions are met.

1) Obtain the water quality certification requirements issued by DEQ on December 20, 2020. Adhere to those general and special conditions.

2) The permanent facilities for this project are authorized without the need for preconstruction notification therefore no notification to DEQ is required under General Condition E.1. If preconstruction notification is required for proposed temporary facilities notify DEQ in accordance with General Condition E.1.

F. Copies of the 2021 Nationwide Permit Fact Sheets for Nationwide Permits 3 and 33, the 2021 Nationwide Permit Regional Conditions for the State of Montana, and DEQ's 401 Water Quality Certification Requirements for the 2021 Nationwide Permits are available upon request from Environmental Services or on the web at http://www.mdt.mt.gov/business/contracting/environmental/cwa.shtml.

Coordinate with the project manager if you have questions regarding this authorization. Proposed changes to the permanent structures should be directed to the project manager for coordination with the District Project Development Engineer in the Environmental Services Bureau. Temporary facility permitting and/or general permit questions should be directed to the project manager for coordination with the District Environmental Engineering Specialist.

24. INCREASE IN TURBIDITY [208] (REVISED 10-8-15)

A. Description. Montana Fish, Wildlife and Parks (FWP) has determined that this project may cause a significant increase in turbidity.

B. Requirement. Contact the Department of Environmental Quality (DEQ) to determine narrative conditions required to meet short-term (318 Authorization) water quality standards and protect aquatic biota.

1) Complete and submit the Joint Application for Proposed Work in Montana's Streams, Wetlands, Floodplains, and Other Water Bodies (Application Revised 6-5-2015) and all required attachments, according to the applications instructions. Form can be down loaded from: http://dnrc.mt.gov/licenses-and-permits/stream-permitting.

2) Application fees are the responsibility of the Contractor.

3) Do not begin any work that will affect a Montana stream, wetland, floodplain, and/or other water body until a valid 318 Authorization is received from DEQ. Other permits/authorizations may also be required for the proposed work.

C. Basis of payment. Include the cost to obtain this permit in the mobilization bid item.

25. PAVEMENT PULVERIZATION [302] (REVISED 2-27-14 M)

Process the existing plant mix surfacing with existing crushed aggregate course, additional crushed aggregate course, or combination of these to restore the roadway section meeting the requirements of Section 302 and this provision.

Uniformly blend the pulverized plant mix surfacing, existing base course, crushed aggregate course, or combination of these a minimum of two times to assure a maximum 50 percent pulverized plant mix surfacing throughout the blend material sections. The existing plant mix depths on the project are as follows::

FROM	TO	AVERAGE WIDTH	DEPTH
102+00.00 WESTBOUND	323+72.25	38	1.10
1002+00.00 EASTBOUND	1222+84.75	38	1.10
20+00.00 WB RAMP “B”	34+96.73	24	1.10
30+00.00 EB RAMP “C”	46+85.68	24	1.10

26. PAVEMENT PULVERIZATION AND CEMENT TREATED PULVERIZED BASE

A. Description. This work consists of pulverizing the roadway to a depth of 1.10 feet, grading, and cement treating the roadway as shown in the Plans.

B. Materials.

1) Furnish Portland Cement listed on the QPL and in accordance with Subsection 551.02.1.

2) Furnish water in accordance with Subsection 713.01.

C. Construction.

1) Pavement Pulverization. Process the remaining plant mix surfacing (PMS) with existing gravel base material in accordance with Section 302 and this provision. Uniformly blend the pulverized PMS and existing base course to ensure a maximum 50% pulverized PMS. Pulverize to the depth shown in the plans.

a) The average remaining surfacing section following milling is approximately 0.26 feet of PMS over 1.55 feet of gravel base material.

b) Following the pavement pulverization, grade the roadway to the finished profile.

2) Cement Treated Pulverized Base. Following grading, uniformly mix cement and water with pulverized materials at the locations shown in the plans in accordance with Section 304.

D. Method of Measurement.

1) Pavement Pulverization is measured in accordance with Subsection 302.04.2. Pavement Pulverization is measured by the square yard based on the width as shown in the Plans.

2) Grading the pulverized material will be measured by the cubic yard as a predetermined quantity of unclassified excavation.

3) Cement Treated Pulverized Base is measured by the square yard based on the treated width shown in the plans.

4) Portland Cement is measured by the ton in accordance with Subsection 109.01.

5) Blotter is measured by the square yard in accordance with Subsection 304.05.2.

6) Curing seal is measured by the ton in accordance with Subsection 304.05.2.

E. Basis of Payment.

Pay Item	Pay Unit
Pavement Pulverization	Square Yard
Unclassified Excavation	Cubic Yard
Cement Treated Pulverized Base	Square Yard
Cement	Ton
Blotter	Square Yard
Curing Seal	Ton

Payment at the contract unit price is full compensations for all resources necessary to complete the items of work under the contract.

27. ELECTRONIC TICKETING – PMS [401] (REVISED 4-09-26)

A. Description. This work consists of providing electronic ticketing (E- ticket) for material delivery of plant mix surfacing to the project.

B. Equipment and Programming. Coordinate with the Project Manager and the Haulhub representative to facilitate export of data from the plant's existing scale to the Department's E-ticketing portal provided by Haulhub. Provide electronic data from the load read-out weigh system to provide information as described in Subsection 401.03.8(B).

The Department's E-ticket portal can be found at the following link:
MDT E-Ticket Portal

1) Internet Availability. E-ticketing requires internet access. Ensure internet access at the hot plant location.

2) Set-up and Calibration. A minimum of 3 calendar days prior to plant mix paving, set-up and calibrate the interface with the Department's Haulhub portal and provide at least 5 calibration E-tickets for plant mix weights marking each ticket "Test".

3) Upload time. Ensure the upload time to the Department's portal does not exceed 5 minutes from the time the ticket was created.

Representatives from Haulhub will be available virtually to assist in the set-up, calibration, and production throughout the project duration. Contact information for Haulhub can be found at the following link: https://www.haulhub.com/agency/montana

For immediate support contact Carlos Osorio at Haulhub; Phone (929) 298-3396; email: carlos.osorio@haulhub.com

Printed tickets will be required along with E-tickets unless otherwise directed by the Project Manager.

All work for programming, training and utilizing E-ticketing is not measured for payment.

4) If the Project Manager determines that best efforts have been made to integrate the current plant technologies available, or technologies for integration do not exist, this special provision may be rescinded, and paper tickets will be required in accordance with Subsection 401.03.13.

28. RIDE SPECIFICATION CATEGORY (SINGLE) [401] (REVISED 03-19-26)

This is a Category I project.

29. RECYCLING AND DISPOSAL OF COLD MILLINGS

A. Description. This work consists of recycling or disposal of millings generated from cold milling operations.

B. Materials. Vacant.

C. Construction Requirements. It is anticipated that 21,385 cubic yards (in place) of millings will be produced on this project. The Contractor may incorporate the milled materials into Plant Mix Surfacing, Traffic Gravel, or Crushed Aggregate Course in accordance with the contract requirements for the applicable item. The Contractor is responsible for site inspection of Disposal Location(s) to verify equipment needs. Transport and windrow any cold milled materials not incorporated into other items of work under this contract to the following prioritized locations(s).

Disposal Location	BEGIN LAT./LONG.	END LAT./LONG.	Center Cubic Yds.
Burt Ln.	45° 52’ 49” -112° 6’ 24”	45° 52' 59” -112° 7’ 37”	21,385

1) At least 14 calendar days prior to performing milling operations that will not be incorporated into items of work on the project contact Jim Pesanti, MDT Maintenance Chief, at 406-494-9628 to coordinate the work for all locations. Failure to provide the required 14 calendar day notice to MDT official(s) for coordination of millings disposal and placement results in the following options to the Contractor:

a) At no cost to the Department, including traffic control, the Contractor must suspend operations directly affected by the ability to not place millings and wait for MDT to mobilize up to the 14 calendar days.

b) Provide written documentation from the Department agreeing with the time and place of proposed work.

2) At Disposal Location(s) provide a loader and operator or equivalent means and methods for windrowing the millings as directed by Jim Pesanti.

D. Measurement and Payment. This work is not measured separately for payment. Include the cost of transporting, windrowing, and stockpiling the material described in this provision in the unit price bid per square yard for Cold Milling.

30. PRECAST REINFORCED BOX CULVERTS [603] (REVISED 1-15-26)

A. Description. Precast reinforced concrete box culvert (RCB) is specified at locations shown on the plans.

B. Materials.

1) RCB. Furnish RCB that meets the requirements HL-93 live loading. RCB must also meet the requirements of ASTM C1577, except the aggregate gradations must meet Subsection 701.01 or a Department approved optimized gradation. Refer to ASTM special design provisions for RCB sizes that are not included in the ASTM table or for any changes in wall thickness. Use AASHTO M 85 Type V cement or an AASHTO M 240 high sulfate resistant blended cement tested in accordance with ASTM C1012 meeting a maximum length change requirement of 0.05% at 6 months or 0.10% at 12 months if the 6-month limit is exceeded.

2) Joint Sealant. Install flexible plastic gaskets between culvert sections meeting the requirements of Subsection 707.02. Provide joint material that is 1.25-inch equivalent diameter (1 inch x 1.23-inch actual dimensions).

3) External Joint wrap. Furnish Type III, chemically bonded adhesive butyl bands for all joints between box sections meeting the requirements of ASTM C877. Use Type A designation with a sealing bandwidth of 12 inches. Apply joint wrap material externally around

each joint over semi-liquid paintable butyl rubber-based adhesive primer. Begin each joint wrap at haunch, extend up and over the top of the culvert, and terminate at the other haunch. Extend joint wrap under the haunches as far as possible on each side of the box culvert while maintaining seal with adhesive primer. If two or more pieces are required, lap a minimum of 6 inches. Replace punctured or torn joint wrap damaged by culvert installation at Contractor expense.

4) Bedding material. Use granular bedding material for bedding material. Provide a 12-inch-thick base. Compact granular bedding by proof rolling with vibratory compactor or by using a method approved by the Project Manager.

5) Flared or Tapered End Section. Furnish precast flared or tapered end sections according to the RCB detail.

6) Optional Cutoff Walls. Cast-in-place or precast cutoff walls are acceptable for the ends of RCB.

7) Reinforcing Steel. Use rebar dowels meeting the requirements of AASHTO M 31, Grade 60 (Grade 420).

8) Epoxy Resin Bonding Adhesive. Meet the requirements of AASHTO M 235 Type 4.

C. Construction Requirements.

1) Joint Tolerance. When placing RCB sections in final position, the gaps between sections must not exceed 0.75 inch. Check for misalignment by measuring normal to the walls and slabs. Correct misalignment between sections before adding the next section.

2) Lift Holes. Plug all lift holes and fabrication holes before placing backfill. Use the manufacturer supplied plugs for filling holes in the top slab. Grout all holes in the side and floor slabs.

3) Tie Bolt Holes. Fill the annular area by injecting silicone caulking in tie bolt holes or fill with joint material after installation of the bolt and before placing the washer.

4) Manufacturer’s Installation Procedure. Follow the recommended installation procedure provided by the manufacturer. Provide the Project Manager one copy of the recommended procedure ten calendar days before installation.

5) Welding Requirements. Perform all welding on precast member connections in accordance with AWS D1.1 Structural Welding Code.

Alternate Connection – Concrete Edge Protection. Drill holes in RCB end sections at locations shown on the plans. Epoxy bond #6 rebar dowels with 8 inches minimum protrusion. The required depth of embedment is RCB wall thickness minus 2 inches. Minimum distance from edge of RCB to center of hole is 4 inches. Follow adhesive manufacturer’s recommendations for hole diameter and other installation requirements.

Precast Concrete Curb Connection. When precast concrete curbs are required at the RCB ends, connect the curbs to the RCB using the precast holes in the curb. Mark the hole locations and drill and epoxy bond #6 x 12-inch rebar dowels into the RCB a depth of 5 inches. Follow manufacturer’s recommendations for hole diameter and other installation requirements. Install curb, centering the dowels in the holes and fill the curb holes with non-shrink grout.

Precast Cut-off Wall Connection. If precast cut-off walls are used, connect the RCB end to the cut-off wall using the precast holes provided in the RCB. Drill 1.5-inch diameter x 6 inch holes in the cut-off wall at each location. Clean hole of loose debris, fill hole in cut-off wall with approved non-shrink grout and install #6 x 12-inch-long rebar into the hole keeping the rebar centered. Fill remaining hole in RCB with grout.

Fillets. Reinforce fillets with a minimum of #3 grade 60 rebar at 12-inch centers.

6) Submittals. Submit shop drawings and all supporting hand and computer design calculations for approval prior to fabrication. All design plans and calculations must be signed and sealed by a Professional Engineer registered in the State of Montana. Calculations are to include load rating factors for design vehicle. Calculate rating factors in accordance with the latest version of the AASHTO Manual of Bridge Evaluation. Submit all welding procedure

specifications and welder qualification records for approval prior to welding precast connections. Submit epoxy bonding system for approval prior to installation.

D. Method of Measurement. Precast Reinforced Concrete Box Culvert is measured in accordance with Subsection 603.04.

E. Basis of Payment. Include all costs associated with this item, as well as all pumping, bailing, and drainage necessary for foundation preparation, in the unit price bid per foot for Reinforced Concrete Box Culvert.

Payment at the contract unit price is full compensation for all necessary resources to complete the item of work under the contract.

31. CULVERT FOUNDATION TREATMENT

A. Description. Prior to culvert placement, construct the culvert foundation, consisting of culvert excavation, geotextile placement, and foundation material placement at the locations shown in the plans or as directed by the Project Manager.

B. Materials.

1) Provide Stabilization Geotextile meeting the requirements of Section 716.

2) Provide Culvert Foundation Material with a maximum of 15% passing the #200 sieve in addition to the requirements of Subsection 701.04.2.

C. Construction.

1) Excavate a zone as shown elsewhere in the Contract and 2.0 feet below the bottom of the planned bedding elevation.

2) Place geotextile as shown elsewhere in the Contract or as directed by the Project Manager. Overlap any adjoining edges of the geotextile a minimum of 3.0 feet with the edge of the upgrade sheet over the edge of the downgrade sheet.

3) Place the first 16 inches of Foundation Material over the geotextile with minimal compaction effort necessary to create a stable base, with the least amount of equipment traffic possible, and otherwise in accordance with Subsection 622.03.

4) Do not use vibratory, studded, or sheepsfoot rollers on the first 16 inches.

5) Place subsequent lifts in accordance with Subsection 622.03.

D. Method of Measurement.

1) Culvert Foundation Material is measured in accordance with Subsection 603.04.

2) Geotextile is measured in accordance with Subsection 622.04.

E. Basis of Payment. Payment is full compensation for all labor, tools, equipment and other incidentals necessary to complete the work in accordance with the specifications and as directed by the Project Manager.

1) Culvert Foundation Material is paid in accordance with Subsection 603.05.

2) Geotextile is paid in accordance with Subsection 622.05.

32. SPECIAL BACKFILL FOR CULVERTS

A. Description. Place special backfill at the locations shown on the project plans and cross sections. Place special backfill to the bottom of the crushed aggregate course section or as shown in the plans.

B. Materials. Provide backfill material consisting of Crushed Aggregate Course (CAC).

C. Construction. Compact Special Backfill in accordance with Section 203, limiting the lift thickness to 6 inches.

D. Method of Measurement. Special Backfill is measured by the cubic yard in place.

E. Basis of Payment. Special Backfill is paid at the contract unit price bid per cubic yard complete and in place.

33. DEWATERING

A. Description. Groundwater may be encountered when excavating for box culverts, pipes, and other drainage structures. Review the project irrigation practices and site conditions and make appropriate provisions for groundwater and necessary dewatering. Site conditions indicate that groundwater may be encountered at shallow depths. However, groundwater levels can fluctuate yearly, seasonally, during precipitation events, or due to other factors. All excavations that encounter groundwater need to be dewatered properly and kept dry at all times.

B. Submittals. Prior to starting excavation for any box culvert, pipes, or other drainage structure, submit a dewatering plan to the Project Manager. The dewatering plan must include the number, size, and proposed location of pumps and sumps that will be used to dewater the excavation as well as copies of all applicable permits. Allow 5 working days for the Project Manager to review the dewatering plan.

C. Construction. When groundwater is encountered in excavations provide dewatering methods that will allow placement and compaction of backfill. Dewater the excavation to maintain conditions that allow for proper compaction of foundation materials and bedding in accordance with the requirements of the Contract. Do not allow the excavation to fill with surface water or groundwater at any time.

D. Method of Measurement and Basis of Payment. Dewatering is measured and paid for as Miscellaneous Work in accordance with Subsection 109.04.02.

34. ACTUATED BEACON SYSTEM SOLAR POWERED

A. Description. Provide a solar powered, radar-activated, flashing beacon system, complete with control cabinet, timer and signals. Provide a solar panel, solar charge controller, replaceable batteries, and all necessary hardware for a properly functioning system. Also provide an accessible manual/on/off switch to the flashing beacons for manual control.

B. Material. Provide circular 12-inch yellow LED traffic signals. Provide a signal housing, visor, and backplate painted black or dark olive-green. Do not include retro-reflective tape on the backplate. Provide solar panel, solar charge controllers, and replaceable batteries capable of powering the signal during the day and night according to the manufacturer's recommendation for the project location. The system shall be actuated by a DC-powered radar detector capable of detection at least 600 feet in advance. Provide all wiring necessary between the various components of the installation.

C. Operation. The system must detect approaching vehicles causing the beacon to actuate for a programable duration, then time out causing the beacon to quit flashing or extend time due to another detected vehicle. For example, with the flash duration set to 20 seconds, if an additional actuation occurs after the beacon has been activated for 15 seconds the beacon will continue for an additional 20 seconds, or 35 seconds' total. If the beacon has ceased flashing, any subsequent actuation shall activate the beacon immediately regardless of how recently the beacon ceased operation.

D. Construction Requirements. Install the radar actuated flashing beacon system and associated hardware on a type 1-200 signal standard as shown in the plans. Mount the signal, control cabinet, radar detection and solar panels, using manufacturer approved mountings. Install manufacturer approved wiring between the system components.

E. Basis of Payment. Include the control cabinet, signal, solar power system, and all necessary hardware in the unit price for SOL SIG-TRAFFIC 1-COL 1-WAY 12. The radar detector, pole and foundation will be paid for under separate bid items.

35. RADAR VEHICLE DETECTION

A. Description. The detector must detect a vehicle to a range of at least 600 feet and actuate the flashing beacon. Mount the radar vehicle detection using manufacturer approved mountings and wiring. The detector will be solar powered.

B. Basis of Payment. Include the radar detection and all necessary hardware in the unit price for Radar Vehicle Detector.

36. CROSSOVER TRAFFIC CONTROL [618] (REVISED 12-4-25 M)

A. Description. This work includes furnishing, installing, maintaining, and removing traffic signs, barricades, lights, signals, pavement markings, and other specified traffic control devices on contracts utilizing crossovers.

B. Materials. Furnish materials that meet Subsection 618.02.

C. Construction Requirements. Provide traffic control in accordance with Section 618. Furnish a traffic control plan in accordance with Subsection 618.03.2.

1) Traffic Control – Crossover. Construct and sign crossovers as specified in the contract, including plan details and Detailed Drawing 618-30. Remove existing striping, re-stripe, and sign for first phase of the cross-over. Upon completion of that phase of work, remove striping, re-stripe and sign for the opposite phase.

2) Traffic Control – Two-Way Traffic. Install signage and striping, and divide traffic between crossovers in accordance with contract requirements. Furnish and install surfaced mounted, hinged flexible guideposts for two-way traffic operations. Install 36-inch tall flexible, self-erecting delineators capable of withstanding numerous impacts from any direction without splitting, breaking, or detaching from the base or the surface to which the base is attached. Replace and reset any flexible delineator(s) that fail to meet these performance requirements.

3) Traffic Control. Install all other traffic control devices required for work not performed under crossover conditions, and for any additional traffic control or signage not shown in the plans, in accordance with the contract requirements.

4) Sequencing. Complete all work within the closed section of roadway during crossover operations. This includes but is not limited to bridge work, plant mix paving, milling, guardrail installation, pavement markings, rumble strips, and signing. Complete all work to the satisfaction of the Project Manager prior to switching traffic. Return traffic to its normal traffic configuration within 24 hours of completing work.

5) The Department will deduct $10,000 per calendar day for any crossover left in place without active work occurring within the closed section of roadway.

6) Traffic control installed to reduce traffic to a single lane for facilitating work in areas where a crossover was utilized will not be measured for payment.

7) After completing all phases of work, ensure all striping and pavement markings for the crossover configuration have been removed and apply epoxy traffic paint to all mainline pavement markings in their final configuration. Ensure pavement markings are completed to the satisfaction of the Project Manager.

D. Method of Measurement.

1) Traffic Control – Crossover. Each phase of crossover traffic control is measured as one Traffic Control – Crossover unit and includes the furnishing, installing, maintaining and removal of traffic control devices, pavement markings, striping, and the replacement of all damaged devices.

2) Traffic Control – Two-Way Traffic. Two-way traffic control is measured by the mile (kilometer) along the double yellow striping and includes the furnishing, installing, maintaining and removal of traffic control devices, pavement markings, striping, and all replacement of damaged devices.

3) Traffic Control. Traffic control required for work performed while traffic is not on crossovers (except as noted above) or for additional work not shown in the contract will be measured by the unit used and accepted according to the value shown in the “Traffic Control Rate Schedule.”

Epoxy traffic paint will be measured and paid for in accordance with Section 620.

E. Basis of Payment. Payment for the completed and accepted quantities is made under the following:

Pay Item	Pay Unit
Traffic Control – Crossover	Each
Traffic Control – Two-Way Traffic	Mile (kilometer)
Traffic Control	Unit

37. MEDIAN CROSSOVER – OPEN, MAINTAIN, AND CLOSE

A. This work is the opening, maintenance, and closure of existing crossovers as specified in the contract at approximate RP 248.09, RP 249.32, RP 255.59, and RP 257.06 on I-90.

B. Materials. Vacant.

C. Construction Requirements.

1) Remove existing cable guardrail and clean the existing plant mix surface free of gravel and debris. Correct deficiencies in the plant mix surfacing as directed by the Project Manager prior to opening the crossover to traffic.

2) Provide signing, pavement markings, and traffic control devices necessary for crossover operations as specified in the contract and Detailed Drawings. Maintain crossover in a manner that provides the traveling public with a safe and smooth riding surface. Failure to maintain crossover in this manner is cause for the Project Manager to stop work until corrective actions are taken. All costs associated with delay in the stopped work is solely the Contractor's responsibility.

3) Remove all temporary pavement markings and traffic control devices upon completion of construction activities. Reset cable guardrail across the median crossover to the satisfaction of the Project Manager. Provide and install NCHRP 350 approved cable rail across the crossovers.

D. Method of Measurement and Basis of Payment.

1) Include all costs to remove existing gravel material, and maintenance and closure of the crossover in the unit bid price for CROSSOVER – MAINTAIN, CLOSE. Traffic control devices required for crossover maintenance and closure are incidental to the item and not measured for payment.

2) Removing and resetting existing cable guardrail is measured by the linear foot and paid for in the unit bid price for RESET CABLE GUARDRAIL. New cable guardrail is measured by the linear foot and paid for in the unit bid price for HIGH TENSION CABLE RAIL. New cable guardrail terminal section are measured by each and paid for in the unit bid price for HIGH - TENSION CABLE RAIL - TERMINAL SECTION.

38. WIDE LOAD AND SUPERLOAD ACCOMMODATION [618] (REVISED 12-7-23)

Coordinate with the Project Manager to accommodate wide loads and superloads during construction.

A. Wide Loads. Provide passage of loads greater than 12-feet wide through the project area at least 5 consecutive days/ week and two hours/day. Wide load passage must begin no earlier than 9 P.M. and be completed by 6 A.M. Coordinate with the Project Manager to facilitate passage of wide loads on other projects on the same route or in proximity.

Place wide load information signs at the following locations or as directed by the Project Manager. Furnish and install signs shown on the following detail, meeting Detailed Drawing 618-01. The *Route* will specify the route number, *Dir* will specify the direction of the construction, and *Mp* will specify the milepost(s) of the work. Remove signs within 24 hours of removing the wideload restriction.



Sign information, if known:

16’ Width Restriction
I-90 EAST/WEST MP 247 -258
West/East of Whitehall

I-90 RP 246.0	As directed by the PM
I-90 RP 259.0	As directed by the PM
MT-55 RP 12.0	As directed by the PM

B. Superloads. Loads greater than 18’0” wide, 150’0” long, or 17’0” high must contact the Prime Contractor Monday – Friday, 8:00 AM to 5:00 PM, before traveling to make special arrangements to be escorted through the project site on a case-by-case basis. Notify the Project Manager and provide justification before denying carriers access to the project.

C. Measurement and Payment.

1) Wide Loads. Traffic control necessary for wide load staging areas including wide load staging signs, staging information signs, arrow boards, lane closures, cameras, and wide load passage/marshaling will be included in the traffic control bid item Wide Load Marshalling - L.S.

Devices damaged by wide load passage will be replaced by the Contractor and paid for in accordance with contract’s Traffic Control Rate Schedule.

2) Superloads. Traffic control necessary for marshaling superloads that require an escort outside of the contract required marshaling times is paid for by the Department. Pilot cars, flaggers, damaged devices, and Category #2-Adjustments will be paid for in accordance with the contract’s Traffic Control Rate Schedule.

3) Super Load Administration. A flat fee of $275 will be paid to cover administration cost for each permitted superload that necessitates an escort. The $275 fee will be paid for superloads that require an escort outside of the contract required marshaling times. To receive payment for superload administration provide written documentation to the Project Manager 24 hours prior to the superload’s arrival on project. This fee is paid under Miscellaneous Work.

4) Wide load information signs will be paid for as Single Use Signs (SQ FT). Cover the signs during the winter suspension if necessary. No separate payment will be made to cover wide load detour signs during winter suspension.

39. REVEGETATION

A. Description. This work consists of providing the necessary equipment and materials to accomplish revegetation of all areas disturbed by construction activities, and/or as directed by the project manager.

B. Materials.

1) Furnish 10-15 lbs. of Nitrogen and 30-35 lbs. of P205 per acre, for all areas.

2) Long Term Erosion Control Blanket. Furnish blanket from the department's QPL.

3) Furnish the following seed mix. Use substitute species only if the recommended species is not available and substitution is approved by MDT's reclamation specialist.

Reclamation Seed Mix			Drill Seeding Rate		
Scientific Name	Common Name	Variety	PLS / sq. ft.	% of Mix	Pounds PLS/ acre
Elymus trachycaulus	Slender wheatgrass	Pryor	6	8	2.0
Elymus canadensis	Canada wildrye	VNS	11	15	4.0
Elymus lanceolatus	Thickspike wheatgrass	Critana	24	32	7.0
Nassella viridula	Green needlegrass	Lodorm	13	17	3.0
Poa secunda	Canby bluegrass	Canbar	21	28	1.0
		GRAND TOTAL	75	100	17.0

C. Construction Requirements.

1) Salvage sufficient quantities of topsoil to place an average 4-inch loose depth over all disturbed areas.

2) Condition, fertilize and seed in accordance with Subsection 610.03.2

3) Areas that are too steep, narrow or otherwise inaccessible to drill seeding equipment can be broadcast seeded at double the drill seeding rates. Prior to and following broadcast seeding, scarify the areas to incorporate the seed into the upper ¼ to ½ inch of soil.

4) Install erosion control blanket in accordance with Subsection 610.03.4 using wooden or other approved biodegradable stakes on slopes greater than 3:1 or as directed by the project manager.

5) Method of Measurement and Basis of Payment. Topsoil salvage and placement, seeding and fertilizer are paid for as Lump Sum Revegetation. Erosion Control Blanket-Long Term is paid per square yard.

40. BIOENGINEERED BANK

A. Description. This work consists of furnishing materials and installing Bioengineered Bank to the dimensions and locations indicated in the plans.

B. Materials. Furnish all materials and equipment required to perform this work.

1) Furnish and install coir logs meeting the following requirements:

Type	Minimum Density	Outer Net	Inner Core
12" Coir Log	7 lbs/ft^3	100% Coir twine	100% Coir

2) Furnish Long Term Erosion Control Blanket from the Departments QPL.

3) Seed. Furnish the seed mix from the Revegetation Special Provision.

4) Provide salvaged streambed, streambank and topsoil materials as indicated on the plans.

5) Willow cuttings. Collect willows within the immediate vicinity of the project site to the extent practical. Coordinate with private landowners if applicable. Harvest and install cuttings during their dormant period after October 15th and prior to April 15th.

a) Remove the terminal bids from willow cuttings.

b) If willow cuttings cannot be installed immediately, provide short-term storage, up to 14 days in cool, moist conditions, for the willow cuttings. Store in a manner that preserves their vigor and health. The Project Manager or the Stream Restoration Specialist will inspect the cuttings for acceptance prior to their installation. Cuttings not conforming to the specifications will be rejected and replaced at no cost to MDT.

c) Willow cutting size: 3 to 5 feet in length and 0.25-to-2-inch diameter.

d) Prior to planting stored willows, soak in water for 5 to 7 consecutive days.

e) An estimate of the number of willow cuttings required is provided in the summary frame.

C. Construction Requirements.

1) After culvert installation, grade soil to meet existing stream banks. Install bioengineered banks on all disturbed streambank areas.

2) Install coir fiber rolls, willow cuttings, topsoil, seed and blanket as shown in the bioengineered bank detail.

3) Install willows so a minimum of 2/3 of the cutting is underground.

4) Place topsoil, seed, fertilizer and erosion control blanket on the embankment above the bank as shown in the plans and details.

D. Method of Measurement & Basis of Payment.

1) Include all costs of bioengineered bank including coir fiber rolls, stakes, willows and streambed material in the Lump Sum Bioengineered Bank.

2) Reclamation seed and fertilizer is included in the Lump Sum payment for Revegetation.

3) Erosion Control Blanket-Long Term is paid per square yard.

END OF SECTION I

Rev. 01/2026

MDT NONDISCRIMINATION AND DISABILITY ACCOMMODATION NOTICE

Montana Department of Transportation ("MDT") is committed to conducting all of its business in an environment free from discrimination, harassment, and retaliation. In accordance with State and Federal law MDT prohibits any and all discrimination and protections are all inclusive (hereafter "protected classes") by its employees or anyone with whom MDT does business:

Federal protected classes	State protected classes
Race, color, religion, national origin, sex, age, disability, and genetic information.	Race; color; national origin; familial or marital status; pregnancy, childbirth, or medical conditions related to pregnancy or childbirth; creed; social origin or condition; genetic information; sex, sexual orientation, gender identification or expression; ancestry; age; mental or physical disability; political or religious affiliations or ideas; military service or veteran status; vaccination status or possession of immunity passport.

For the duration of this contract/agreement, the PARTY agrees as follows:

(1) Compliance with Regulations: The PARTY (hereinafter includes consultant) will comply with all Acts and Regulations of the United States and the State of Montana relative to Non-Discrimination in Federally and State-assisted programs of the U.S. Department of Transportation and the State of Montana, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

(2) Non-discrimination:

a. The PARTY, with regard to the work performed by it during the contract, will not discriminate, directly or indirectly, on the grounds of any of the protected classes in the selection and retention of subcontractors, including procurements of materials and leases of equipment, employment, and all other activities being performed under this contract/agreement.

b. PARTY will provide notice to its employees and the members of the public that it serves that will include the following:

   i. Statement that PARTY does not discriminate on the grounds of any protected classes.

   ii. Statement that PARTY will provide employees and members of the public that it serves with reasonable accommodations for any known disability, upon request, pursuant to the Americans with Disabilities Act as Amended (ADA).

iii. Contact information for PARTY's representative tasked with handling non-discrimination complaints and providing reasonable accommodations under the ADA.
iv. Information on how to request information in alternative accessible formats.

c. In accordance with Mont. Code Ann. § 49-3-207, PARTY will include a provision, in all of its hiring/subcontracting notices, that all hiring/subcontracting will be on the basis of merit and qualifications and that PARTY does not discriminate on the grounds of any protected class.

(3) Participation by Disadvantaged Business Enterprises (DBEs):

a. If the PARTY receives federal financial assistance as part of this contract/agreement, the PARTY must comply with applicable federal and state laws regarding the DBEs, including but not limited to 49 CFR Part 26.
b. By signing this agreement the PARTY assures that:

The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

c. PARTY must include the above assurance in each contract/agreement the PARTY enters.

(4) Solicitation for Subcontracts, Including Procurement of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation, made by the PARTY for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the PARTY of the PARTY's obligation under this contract/agreement and all Acts and Regulations of the United States and the State of Montana related to Non-Discrimination.

(5) Information and Reports: The PARTY will provide all information and reports required by the Acts, Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information and its facilities as may be determined by MDT or relevant US DOT Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the PARTY will so certify to MDT or relevant US DOT Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

(6) Sanctions for Noncompliance: In the event of a PARTY's noncompliance with the Non-discrimination provisions of this contract/agreement, MDT will impose such sanctions as it

or the relevant US DOT Administration may determine to be appropriate, including, but not limited to:

a. Withholding payments to the PARTY under the contract/agreement until the PARTY complies; and/or
b. Cancelling, terminating, or suspending the contract/agreement, in whole or in part.

(7) Pertinent Non-Discrimination Authorities:

During the performance of this contract/agreement, the PARTY, for itself, its assignees, and successor in interest, agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Federal

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21;
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601 *et seq.*), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Sections 162 and 301(g) of the Federal-Aid Highway Act of 1973, (Public Law No. 93-87, 87 Stat. 250, codified at 23 U.S.C. § 324), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Section 520 of the Airport and Airways Improvement Act of 1982, (49 U.S.C. § 47123), (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (Public Law No. 100-259), (broadened the scope, coverage, and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975, and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients, and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, (42 U.S.C. §§ 12131 through 12189), which prohibits discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and

certain testing entities as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;

- Title IX of the Education Amendments of 1972, as amended, which prohibits discrimination on the basis of sex in education programs or activities (20 U.S.C. § 1681 *et seq.*).

State

- Mont. Code Ann. § 49-3-205 Governmental services;
- Mont. Code Ann. § 49-3-206 Distribution of governmental funds;
- Mont. Code Ann. § 49-3-207 Nondiscrimination provision in all public contracts.

(8) Incorporation of Provisions: The PARTY will include the provisions of paragraphs one through seven in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and/or directives cited therein. The PARTY will take action with respect to any subcontract or procurement as MDT or the relevant US DOT Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the PARTY becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the PARTY may request MDT to enter into any litigation to protect the interests of MDT. In addition, the PARTY may request the United States to enter into the litigation to protect the interests of the United States.

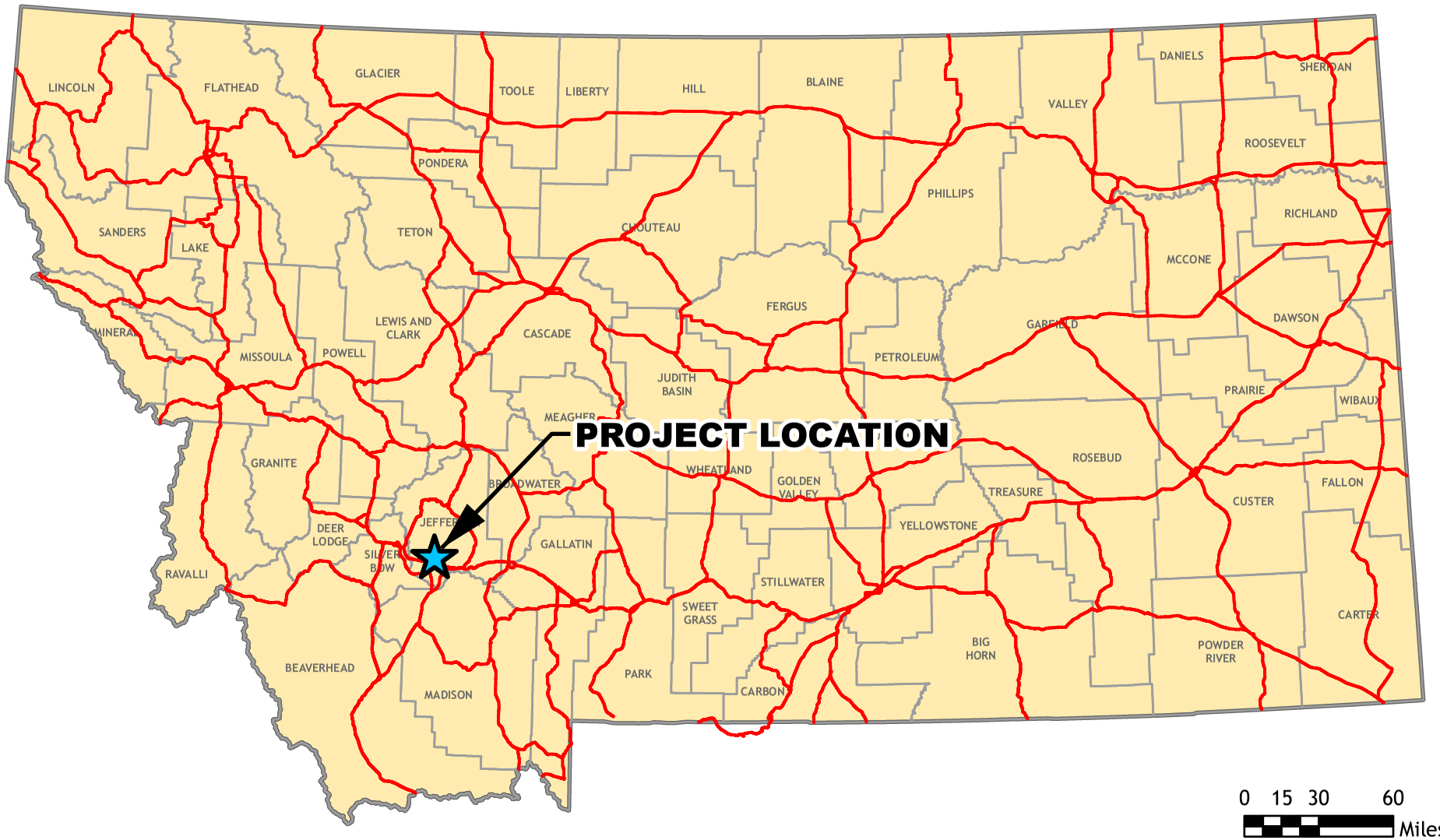
FEDERAL AID PROJECT IM 90-5(101)249
PULVERIZATION & CULVERT REPLACEMENT
WHITEHALL - EAST
CONTROL NUMBER 10003001
PROJECT LOCATION STATE MAP - MONTANA

MONTANA
Department of Transportation

N

SECTION II

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SECTION II

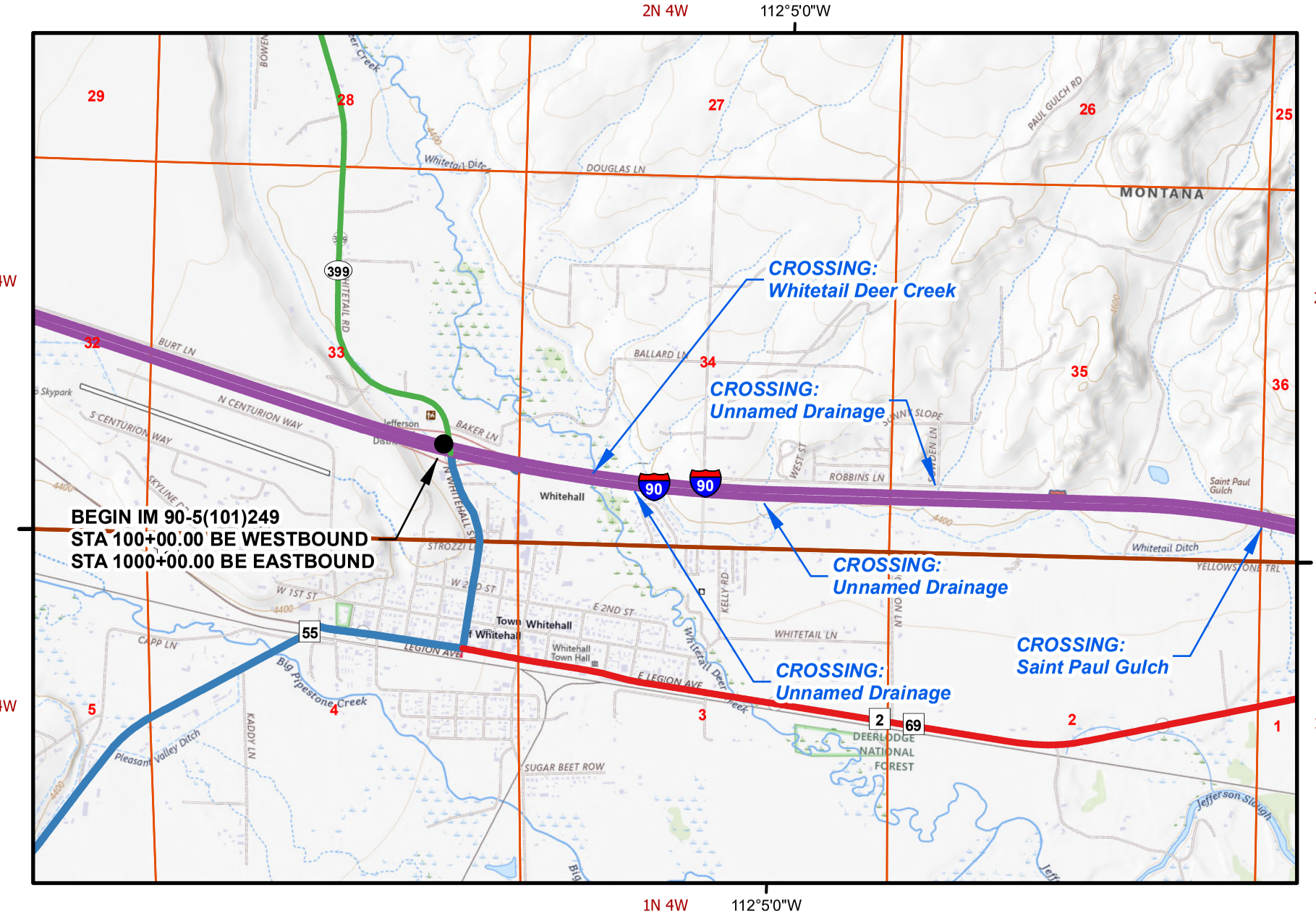
6 of 20

FEDERAL AID PROJECT IM 90-5(101)249
PULVERIZATION & CULVERT REPLACEMENT
WHITEHALL - EAST
CONTROL NUMBER 10003001
PROJECT LOCATION QUAD MAP - JEFFERSON COUNTY 1 OF 2

MONTANA Department of Transportation

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SECTION II

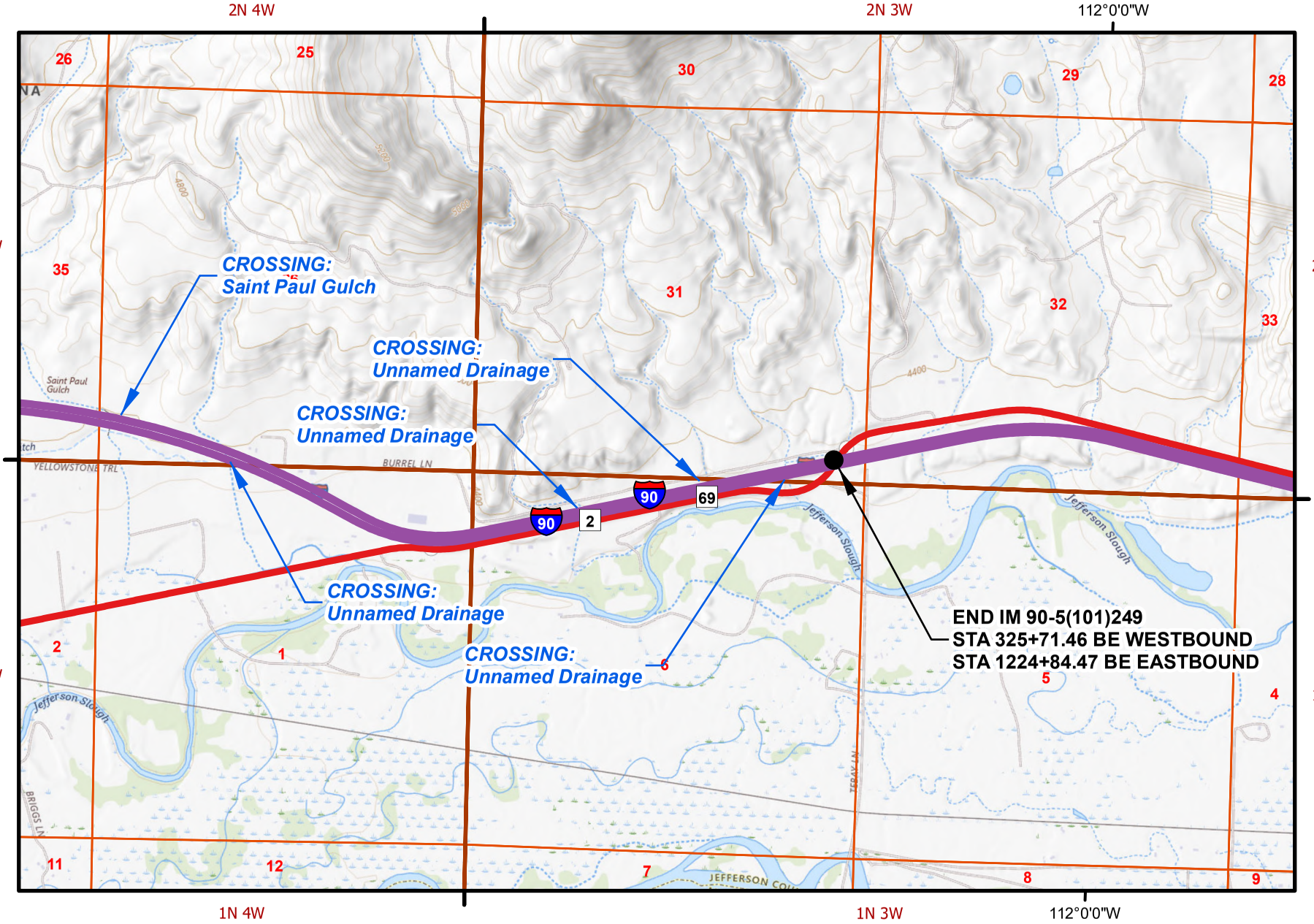
7 of 20

FEDERAL AID PROJECT IM 90-5(101)249
PULVERIZATION & CULVERT REPLACEMENT
WHITEHALL - EAST
CONTROL NUMBER 10003001
PROJECT LOCATION QUAD MAP - JEFFERSON COUNTY 2 OF 2

MONTANA
Department of Transportation

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Feet



AWARD COPY

MDT Boring Log Descriptive Terminology

Key to Soil Symbols and Terms

8/16/10

MONTANA DEPARTMENT OF TRANSPORTATION
Geotechnical Section

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE)	GRAVEL AND GRAVELLY SOILS (MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE)	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	Well-graded gravels, gravel sand mixtures, little or no fines.
				GP	Poorly graded gravels, gravel-sand mixtures, little or no fines.
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	Silty gravels, gravel-sand-silt mixtures.
				GC	Clayey gravels, gravel-sand-clay mixtures.
	SAND AND SANDY SOILS (MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE)	CLEAN SANDS (LITTLE OR NO FINES)		SW	Well-graded sands, gravelly sands, little or no fines.
				SP	Poorly graded sands, gravelly sands, little or no fines.
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	Silty sands, sand-silt mixtures.
				SC	Clayey sands, sand-clay mixures.
FINE GRAINED SOILS (MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE)	SILTS AND CLAYS (LIQUID LIMIT LESS THAN 50)			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
				OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (LIQUID LIMIT GREATER THAN 50)			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
				CH	Inorganic clays of high plasticity, fat clays.
				OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS				PT	Peat and other highly organic soils.

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

Order of Descriptors

- Group Name
- Consistency or Relative Density
- Moisture Condition
- Color
- Particle size descriptor(s) (coarse grained soils only)
- Angularity of coarse grained soils
- Other relevant notes

Criteria For Descriptors

Consistency of Fine Grained Soils

Consistency	N-Value (uncorrected)
Very Soft	< 2
Soft	2 - 4
Medium Stiff	5 - 8
Stiff	9 - 15
Very Stiff	16 - 30
Hard	> 30

Apparent Density of Coarse Grained Soils

Relative Density	N-Value (uncorrected)
Very Loose	< 4
Loose	4 - 10
Medium Dense	11 - 30
Dense	31 - 50
Very Dense	> 50

Moisture Condition

Dry	-Absence of moisture, dusty, dry to the touch.
Moist	-Damp, but no visible water.
Wet	-Visible free water.

Definition of Particle Size Ranges

Soil Component	Size Range
Boulder	> 12 in (300 mm)
Cobble	3 in (75 mm) - 12 in (300 mm)
Gravel	No. 4 Sieve (4.75 mm) to 3 in (75 mm)
Sand	No. 200 (0.075 mm) to No. 4 Sieves (4.75 mm)
Silt	< No. 200 Sieve (0.075 mm)*
Clay	< No. 200 Sieve (0.075 mm)*

*Atterberg limits and chart below to differentiate between silt and clay.

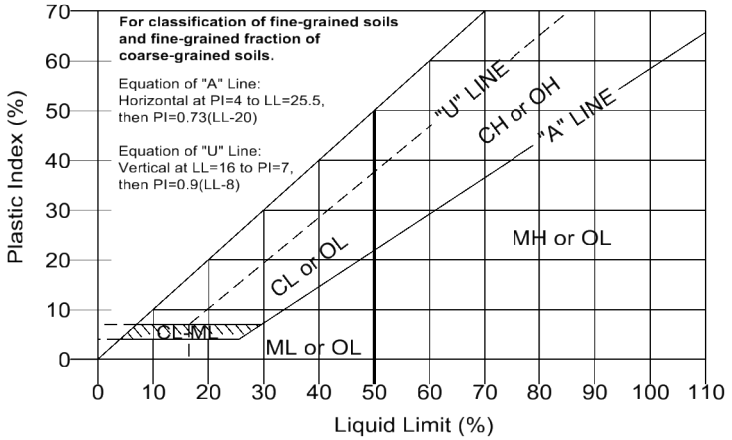
Notes

See Soil Boring Information Special Provision.

SPT (Standard Penetration Test-ASTM D1586):
The number of blows of a 140 lb (63.6 kg) hammer falling 2.5 ft (750 mm) used to drive a 2 in (50 mm) O.D. Split Spoon sampler for a total of 1.5 ft (0.45 m) of penetration.
Written as follows:
first 0.5 ft (0.15 m) - second 0.5 ft (0.15 m) - third 0.5 ft (0.15 m) (ex: 1-3-9)
Note: if the number of blows exceeds 50 before 0.5 ft (0.15 m) of penetration is achieved, the actual penetration rounded to the nearest 0.1 ft (0.03 m) follows the number of blows in parentheses (ex: 12-24-50 (0.09 m), 34-50 (0.4 ft), or 100 (0.3 ft)).WR denotes a zero blow count with the weight of the rods only.
WH denotes a zero blow count with the weight of the rods plus the weight of the hammer.

MC=Moisture Content, LL=Liquid limit, PL=Plastic Limit
-200%=percent soil passing 200 sieve, DD=Dry Density

Soil Classifications are Based on the Unified Soil Classification System, ASTM D2487 and D2488.
Also included are the AASHTO group classifications (M145).
Descriptions are based on visual observation, except where they have been modified to reflect results of laboratory tests as deemed appropriate.



Angularity of Coarse-Grained Particles

Angular	-Particles have sharp edges and relative plane sides with unpolished surfaces.
Subangular	-Particles are similar to angular description, but have rounded edges.
Subrounded	-Particles have nearly plane sides, but have no edges.
Rounded	-Particles have smoothly curved sides and well-rounded corners and edges.

Example soil description: Sandy FAT CLAY (CH), soft, wet, brown. (A-7)

ADVANCE COPY

MDT Boring Log Descriptive Terminology
Key to Rock Symbols and Terms

8/16/10

MONTANA MDT DEPARTMENT OF TRANSPORTATION
Geotechnical Section

Rock Type	Symbol	Rock Type	Symbol	Rock Type	Symbol
Argillite		Dolomite		Quartzite	
Basalt		Gneiss		Rhyolite	
Bedrock (other)		Granitic		Sandstone	
Breccia		Limestone		Schist	
Claystone		Siltstone		Shale	
		Conglomerate			

Order of Descriptors

- Rock Type
- Color
- Grain size (if applicable)
- Stratification/Foliation (as applicable)
- Field Hardness
- Other relevant notes

Criteria For Descriptors
Grain Size

Description	Characteristic
Coarse Grained	-Individual grains can be easily distinguished by eye
Fine Grained	-Individual grains can be distinguished with difficulty

Stratum Thickness

Thickly Bedded	3-10 ft (1-3 m)
Medium Bedded	1-3 ft (300 mm - 1 m)
Thinly Bedded	2-12 in (50-300 mm)
Very Thinly Bedded	< 2 in (50 mm)

Rock Field Hardness

Very Soft	-Can be carved with knife. Can be excavated readily with point of rock hammer. Can be scratched readily by fingernail.
Soft	-Can be grooved or gouged readily by knife or point of rock hammer. Can be excavated in fragments from chips to several inches in size by moderate blows of the point of a rock hammer.
Medium	-Can be grooved or gouged 0.05 in (2 mm) deep by firm pressure of knife or rock hammer point. Can be excavated in small chips to pieces about 1 in (25 mm) maximum size by hard blows of the point of a rock hammer.
Moderately hard	-Can be scratched with knife or pick. Gouges or grooves to 0.25 in (6 mm) can be excavated by hard blow of rock hammer. Hand specimen can be detached by moderate blows.
Hard	-Can be scratched with knife or pick only with difficulty. Hard hammer blows required to detach hand specimen.
Very Hard	-Cannot be scratched with knife or sharp rock hammer point. Breaking of hand specimens requires several hard blows of a rock hammer.

Notes:

UCS = Unconfined Compressive Strength obtained from laboratory testing at the given depth.

See Soil Boring Information Special Provision.

Miscellaneous Soil/Rock Symbols and Terms


Concrete

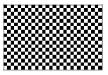

Asphalt

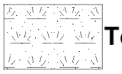

Water


Boulders and Cobbles


Coal


Fill


Millings


Topsoil

Explanation of Text Fields in Boring Logs:

Material Description: Lithologic Description of soil or rock encountered.

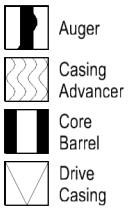
Remarks: Comments on drilling, including method, bit type, and problems encountered.

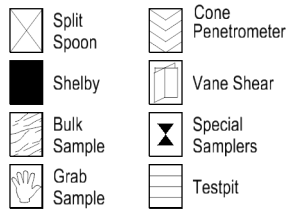
Unless stated on logs as being surveyed by district survey, all locations are considered approximate.

General Notes

- Descriptions on these boring logs apply only at the specific boring, and at the time the borings were made. These logs are not warranted to be representative of subsurface conditions at other locations or times.
- Water level observations apply only at the specific boring, and at the time the borings were made. Due to the variability of groundwater measurements given the type of drilling used, and the stratification of the soil in the boring, these logs are not warranted to be representative of groundwater conditions at other locations or times.
- Other terms may be used as descriptors, as defined by the profession.

-Soil and Rock descriptions are based on visual observation, except where they have been modified to reflect results of laboratory tests as deemed appropriate.

Operation Types:


Sample Types:


Example Rock Log

SANDSTONE, gray, fine grained, thickly bedded, hard field hardness.

MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-1

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 602789.4 ft **Coordinates** E: 1327700.1 ft	**Station:** 319 + 98 **Offset:** 21 ft L
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4348.8 ft
Date Started: 9/16/25	**Date Finished:** 9/16/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Whalen **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. WB lane of I-90.			**PLS TRS-QQ:** 2N 3W 31 - DD **Abandonment:** Cuttings

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
								0.6 / 4348.2							
1 / 4347.8			100		18 - 24 - 21		BASE COURSE, Poorly-Graded GRAVEL with sand (GP), dense to very loose, dry to moist, multi-colored, fine to coarse grained, rounded to subangular, [A-1].		3 4						Bulk sample from 0.6-2.1 feet
2 / 4346.8															Bulk sample from 2.1-3.6 feet
								2.6 / 4346.2							
3 / 4345.8			75		3 - 2 - 2		Silty SAND with gravel (SM), very loose to loose, moist, brown, fine grained, [A-4]. Occasional cobbles.		13		NP	40			Bulk sample from 3.6-5.0 feet
4 / 4344.8															
5 / 4343.8															
			30		2 - 3 - 3				15						
6 / 4342.8															
								6.5 / 4342.3							

Boring Depth: 6.5 ft, *Elevation: 4342.3 ft*

Water Level Observations		Remarks: Boring caved at 3.9 feet after auger removal.
End of Drilling: Not Encountered, Augers In	After Drilling: Not Encountered, Augers Out	

During Drilling: Not Encountered

(2) MDT LOG OF BORING - MDT_2016+WELL_V1.GDT - 11/21/25 14:04 - G:\PROJECTS\2018+PROJECTS\10003001.GPJ

MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-2

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 603431.6 ft **Coordinates** E: 1318386.4 ft	**Station:** 222 + 60 **Offset:** 10 ft L
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4408.0 ft
Date Started: 9/17/25	**Date Finished:** 9/17/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Whalen **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. WB lane of I-90.		**PLS TRS-QQ:** 2N 4W 36 - CC **Abandonment:** Cuttings	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
							BASE COURSE, Poorly-Graded GRAVEL with sand (GP), very dense, dry, multi-colored, fine to coarse grained, rounded to angular, [A-1]. Frequent cobbles near bottom of layer.	0.6 *4407.4*							Bulk sample from 0.5-2.0 feet
1 *4407.0*			80		31 - 44 - 50				2 2						
2 *4406.0*							Silty SAND with gravel (SM), medium dense, moist, brown, fine to coarse grained, rounded to subangular, [A-2].	2.0 *4406.0*							Bulk sample from 2.0-3.5 feet
3 *4405.0*			75		11 - 9 - 9				20 12						
															Bulk sample from 3.5-5.0 feet
4 *4404.0*			30		5 - 11 - 13				11 24						
5 *4403.0*							Boring Depth: 5.0 ft, *Elevation: 4403.0 ft*	5.0 *4403.0*							

Water Level Observations		
▽ During Drilling: **Not Encountered**		Remarks: Boring caved at 3.9 feet after auger removal.
▼ End of Drilling: **Not Encountered, Augers In**	▼ After Drilling: **Not Encountered, Augers Out**	

(2) MDT LOG OF BORING - MDT_2016+WELL_V1.GDT - 11/21/25 14:04 - G:\PROJECTS\2018+PROJECTS\10003001.GPJ

MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-3

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 603672.7 ft **Coordinates** E: 1317145 ft	**Station:** 209 + 96 **Offset:** 15 ft L
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4417.0 ft
Date Started: 9/17/25	**Date Finished:** 9/17/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Whalen **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. WB lane of I-90.			**PLS TRS-QQ:** 2N 4W 35 - DD **Abandonment:** Cuttings

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
							BASE COURSE, Poorly-Graded GRAVEL with sand (GP), very dense, dry, multi-colored, fine to coarse grained, subangular to angular, [A-1]. Occasional cobbles.	0.6 / 4416.4	3						Bulk sample from 0.5-2.0 feet
1 / 4416.0			80		18 - 38 - 50				3						
2 / 4415.0							Silty, Clayey SAND with gravel (SC-SM), medium dense, moist, brown, fine grained, [A-2].	2.0 / 4415.0							Bulk sample from 2.0-3.5 feet
3 / 4414.0			90		3 - 12 - 9				18	26	21	34			
															Bulk sample from 3.5-5.0 feet
4 / 4413.0			100		6 - 14 - 9				7	28	22	35			
5 / 4412.0							Boring Depth: 5.0 ft, *Elevation: 4412.0 ft*	5.0 / 4412.0							

Water Level Observations		Remarks: Boring caved at 4.3 feet after auger removal.
▽ End of Drilling: Not Encountered, Augers In	▽ During Drilling: Not Encountered	
▼	▼ After Drilling: Not Encountered, Augers Out	

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MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-4

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 603771.3 ft **Coordinates** E: 1316104.5 ft	**Station:** 199 + 53 **Offset:** 22 ft L
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4414.9 ft
Date Started: 9/17/25	**Date Finished:** 9/17/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Whalen **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. WB lane of I-90.			**PLS TRS-QQ:** 2N 4W 35 - DC **Abandonment:** Cuttings

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
1 4413.9			75		44 - 29 - 32		BASE COURSE, Poorly-Graded GRAVEL with sand (GP), dense to very dense, dry, multi-colored, fine to coarse grained, subangular to angular, [A-1]. Occasional to frequent cobbles with increasing depth in the layer.	1.2 4413.7	3						Bulk sample from 1.2-2.0 feet
2 4412.9			70		8 - 26 - 38				2 3						Bulk sample from 1.2-2.7 feet (secondary bag primarily of base course material)
3 4411.9			100		12 - 32 - 45		Poorly-Graded SAND with silt and gravel (SP-SM), very dense, dry, multi-colored, fine to coarse grained, subrounded to angular, [A-1]. Frequent cobbles.	2.7 4412.2	3 3		NP	11			Bulk sample from 2.7-4.2 feet
4 4410.9							Boring Depth: 4.2 ft, *Elevation: 4410.7 ft*	4.2 4410.7							

Water Level Observations		Remarks: Boring caved at 3.9 feet after auger removal.
End of Drilling: Not Encountered, Augers In	During Drilling: Not Encountered After Drilling: Not Encountered, Augers Out	

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MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-5

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 603832.2 ft **Coordinates** E: 1313734.9 ft	**Station:** 175 + 83 **Offset:** 16 ft L
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4409.9 ft
Date Started: 9/17/25	**Date Finished:** 9/17/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Whalen **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. WB lane of I-90.			**PLS TRS-QQ:** 2N 4W 35 - CC **Abandonment:** Cuttings

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
							BASE COURSE, Poorly-Graded GRAVEL with sand (GP), very dense, dry, brown and gray, fine to coarse grained, rounded to subangular, [A-1]. Occasional cobbles.	0.5 4409.4							Bulk sample from 0.5-2.0 feet
1 4408.9			80		24 - 24 - 29				3 3						
2 4407.9							Poorly-Graded GRAVEL with silt and sand (GP-GM), dense, dry, multi-colored, fine to coarse grained, rounded to subangular, [A-1]. Occasional cobbles. Silt matrix is brown.	2.0 4407.9							Bulk sample from 2.0-3.5 feet
3 4406.9			75		5 - 22 - 21				5 3		NP	12			
4 4405.9			75		9 - 24 - 20		Millings.	4.0 4405.9	3 2						
							Silty GRAVEL with sand (GM), dense, dry, multi-colored, fine to coarse grained, rounded to subangular, [A-2]. Occasional cobbles. Silt matrix is brown.	4.5 4405.4							
5 4404.9								5.0 4404.9							

Boring Depth: 5.0 ft, *Elevation: 4404.9 ft*

Water Level Observations		Remarks: Boring caved at 3.9 feet after auger removal.
▼ End of Drilling: Not Encountered, Augers In	▽ During Drilling: Not Encountered	
	▼ After Drilling: Not Encountered, Augers Out	

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MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-6

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 603827.5 ft **Coordinates** E: 1310104.7 ft	**Station:** 1039 + 34 **Offset:** 6 ft R
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4411.7 ft
Date Started: 9/18/25	**Date Finished:** 9/18/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Whalen **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. EB lane of I-90.		**PLS TRS-QQ:** 2N 4W 34 - DC **Abandonment:** Cuttings	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
1 / 4410.7								0.9 / 4410.8							Bulk sample from 0.5-2.0 feet
			90		38 - 28 - 32		BASE COURSE, Poorly-Graded GRAVEL with sand (GP), very dense, dry to moist, brown and gray, fine to coarse grained, subangular to angular, [A-1]. Occasional cobbles.		3 3						
2 / 4409.7															
			100		13 - 19 - 9			2.8 / 4408.9	4 5						Bulk sample from 2.8-5.0 feet
3 / 4408.7							Silty SAND (SM), loose to medium dense, moist, light brown, [A-4]. Trace gravel.			42	31	48			
4 / 4407.7			100		6 - 9 - 9				29 22						
5 / 4406.7							Boring Depth: 5.0 ft, *Elevation: 4406.7 ft*	5.0 / 4406.7							

Water Level Observations		Remarks: Boring caved at 4.7 feet after auger removal.
End of Drilling: Not Encountered, Augers In	During Drilling: Not Encountered After Drilling: Not Encountered, Augers Out	

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MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-7

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 603758.9 ft **Coordinates** E: 1311597 ft	**Station:** 1054 + 28 **Offset:** 18 ft R
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4405.5 ft
Date Started: 9/18/25	**Date Finished:** 9/18/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Whalen **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. EB lane of I-90.			**PLS TRS-QQ:** 2N 4W 34 - DD **Abandonment:** Cuttings

Depth (ft) Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
1 4404.5			75		40 - 25 - 35		BASE COURSE, Poorly-Graded GRAVEL with sand (GP), very dense to medium dense, dry, brown and gray, fine to coarse grained, subangular to angular, [A-1].	0.8 4404.7	3 5						Bulk sample from 0.8-2.0 feet
2 4403.5															
3 4402.5			75		12 - 12 - 7		Silty, Clayey SAND with gravel (SC-SM), medium dense to loose, dry to moist, brown, fine to coarse grained, rounded to subangular, [A-2]. Occasional thin gray clay layers.	2.5 4403.0	4 9	25	19	31			Bulk sample from 2.0-5.0 feet
4 4401.5			100		4 - 3 - 5				13 16						
5 4400.5							Boring Depth: 5.0 ft, *Elevation: 4400.5 ft*	5.0 4400.5							

Water Level Observations		Remarks: Boring did not cave-in after auger removal
During Drilling: **Not Encountered**		
End of Drilling: **Not Encountered, Augers In**	After Drilling: **Not Encountered, Augers Out**	

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MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-8

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 603630.6 ft **Coordinates** E: 1316147.3 ft	**Station:** 1099 + 80 **Offset:** 14 ft R
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4412.1 ft
Date Started: 9/18/25	**Date Finished:** 9/18/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Whalen **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. EB lane of I-90.			**PLS TRS-QQ:** 2N 4W 35 - DC **Abandonment:** Cuttings

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
1 / 4411.1			75		22 - 26 - 26		BASE COURSE, Poorly-Graded GRAVEL with sand (GP), very dense, dry, brown, fine to coarse grained, rounded to subangular, [A-1].	0.7 / 4411.4	3 2						Bulk sample from 0.7-2.0 feet
2 / 4410.1							Poorly-Graded GRAVEL with sand (GP), dense, dry, brown, fine to coarse grained, subangular to angular, [A-1]. Occasional cobbles.	2.0 / 4410.1							Bulk sample from 2.0-5.0 feet
3 / 4409.1			70		10 - 21 - 22				3 4						
4 / 4408.1			75		11 - 20 - 19				3 3						
5 / 4407.1							Boring Depth: 5.0 ft, *Elevation: 4407.1 ft*	5.0 / 4407.1							

Water Level Observations		Remarks: Boring caved at 4.1 feet after auger removal.
End of Drilling: Not Encountered, Augers In	During Drilling: Not Encountered After Drilling: Not Encountered, Augers Out	

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MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-9

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 603496.6 ft **Coordinates** E: 1317444.1 ft	**Station:** 1112 + 86 **Offset:** 13 ft R
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4411.9 ft
Date Started: 9/22/25	**Date Finished:** 9/22/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Billette **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. EB lane of I-90.			**PLS TRS-QQ:** 2N 4W 35 - DD **Abandonment:** Cuttings

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
0							Asphalt.		2						Solid Stem Flight Auger
1 / 4410.9			75		50 - 49 - 50/0.4ft		BASE COURSE, Poorly-Graded GRAVEL with silt and sand (GP-GM), very dense, dry to moist, brown to brownish-gray, fine to coarse grained, subrounded to angular, [A-1].	1.2 / 4410.7	3						
2 / 4409.9															Bulk sample from 2.0-3.5 feet
3 / 4408.9			70		23 - 46 - 32				4 3						
4 / 4407.9			75		5 - 9 - 10		Silty, Clayey SAND with gravel (SC-SM), medium dense, moist, brown and gray, fine grained, [A-2].	3.5 / 4408.4	11 10	24	19	29			Bulk sample from 3.5-5.0 feet
5 / 4406.9							Boring Depth: 5.0 ft, *Elevation: 4406.9 ft*	5.0 / 4406.9							

Water Level Observations		Remarks: Boring caved at 4.8 feet after auger removal.
End of Drilling: Not Encountered, Augers In	During Drilling: Not Encountered After Drilling: Not Encountered, Augers Out	

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MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-10

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 602472.4 ft **Coordinates** E: 1326658.7 ft	**Station:** 1209 + 07 **Offset:** 14 ft R
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4348.2 ft
Date Started: 9/22/25	**Date Finished:** 9/22/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Billette **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. EB lane of I-90.			**PLS TRS-QQ:** 1N 4W 6 - AB **Abandonment:** Cuttings

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
								0.6 / 4347.6							Bulk sample from 0.5-2.0 feet
1 / 4347.2			75		22 - 27 - 33		BASE COURSE, Poorly-Graded GRAVEL with sand (GP), very dense, dry, brown and gray, fine to coarse grained, subrounded to subangular, [A-1].		3 3						
2 / 4346.2								2.0 / 4346.2							Bulk sample from 2.0-5.0 feet
3 / 4345.2			75		8 - 22 - 24		Poorly-Graded GRAVEL with silt and sand (GP-GM), dense, dry, brown and gray to multi-colored, fine to coarse grained, rounded to subangular, [A-1].		3 3						
4 / 4344.2			75		9 - 20 - 19				6						
5 / 4343.2							Boring Depth: 5.0 ft, *Elevation: 4343.2 ft*	5.0 / 4343.2							

Water Level Observations		Remarks: Boring caved at 4.5 feet after auger removal.
End of Drilling: Not Encountered, Augers In	During Drilling: Not Encountered After Drilling: Not Encountered, Augers Out	

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MONTANA MDT DEPARTMENT OF TRANSPORTATION

LOG OF BORING

Boring 10003001-11

Project: Whitehall - East		**Rig:** CME 55 **Hammer:** Auto	**Boring Location** N: 602609.4 ft **Coordinates** E: 1327320.6 ft	**Station:** 1215 + 83 **Offset:** 10 ft R
Project Number: IM 90-5(88)249	**UPN:** 10003001	**Boring Diameter:** 10"	**System:** MT S.P. (E) **Datum:** NAD83	**Ground Elevation:** 4348.8 ft
Date Started: 9/22/25	**Date Finished:** 9/22/25	**Drilling Fluid:** None	**Location Source:** Handheld GPS, Uncorrected	**Elevation Source:** Plans
Driller: Billette **Logger:** McCann	**Notes:** Top 1-foot of boring backfilled with ashpalt patch. EB lane of I-90.			**PLS TRS-QQ:** 1N 4W 6 - AB **Abandonment:** Cuttings

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	Qu (psi)	DD (pcf)	Remarks and Other Tests
							Asphalt.								Solid Stem Flight Auger
							BASE COURSE, Poorly-Graded GRAVEL with sand (GP), very dense, dry, brown, fine to coarse grained, rounded to subangular, [A-1].	0.7 *4348.1*							Bulk sample from 0.7-2.0 feet
1 *4347.8*			80		25 - 36 - 30				3 3						
2 *4346.8*							Poorly-Graded GRAVEL with sand (GP), very dense to dense, dry, multi-colored, fine to coarse grained, rounded to subangular, [A-1].	2.0 *4346.8*							Bulk sample from 2.0-5.0 feet
3 *4345.8*			100		14 - 28 - 28				3 3						
4 *4344.8*			50		13 - 23 - 16		Millings.	4.2 *4344.6*	3						
							Poorly-Graded GRAVEL with sand (GP), dense, dry, multi-colored, fine to coarse grained, rounded to subangular, [A-1].	4.5 *4344.3*							
5 *4343.8*								5.0 *4343.8*							

Boring Depth: 5.0 ft, *Elevation: 4343.8 ft*

Water Level Observations		
▼ End of Drilling: Not Encountered, Augers In	▽ During Drilling: Not Encountered	Remarks: Boring caved at 4.7 feet after auger removal.
	▼ After Drilling: , Augers Out	

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STANDARD PROVISIONS INDEX

FEDERAL AID PROJECTS	CONTAINS
Federal Wage Rates (Rev. 6-04-2026)	8 Pages
Requirements & Acknowledgement for Working on Railroad R/W	1 Page
Required Contract Provisions Federal-Aid Const. Contracts (FORM FHWA-1273) [Rev.06-25-2026]	12 Pages
Supplemental Revisions for Required Contract Provisions Federal-Aid Const. Contracts (FORM FHWA-1273) [Added 2-4-2016]	1 Page
EEO Affirmative Action Req. on Federal-Aid Construction	1 Page

General Decision Number: MT 20260080 06042026

State: Montana
Construction Type: Highway
Counties: Montana Statewide.

HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
1	01/30/2026
2	05/18/2026
3	06/04/2026

SAMT2025-001 01/11/2025

	Rates	Fringes
CARPENTER		
Carpenter	$ 43.78	17.07
Millwright	$ 49.79	20.79
CEMENT MASON/CONCRETE FINISHER	$ 44.98	20.50
DIVER		
Diver Tender	$ 59.66	20.22
Diving	$ 121.53	20.22
Standy-By	$ 60.76	20.22

The Tender shall receive 2 hours at the straight time pay rate per shift for dressing and/or undressing when work is done under hyperbaric conditions.

Depth Pay (Surface Diving):
0-20 ft.: Free zone
>20-100 ft.: $2.00 per ft.
>100-150 ft.: $3.00 per ft.
>150-220 ft.: $4.00 per ft.
>220 ft.: $5.00 per ft.

Diving in Enclosures (Diver Only):
0-25 ft.: Free zone
>25-300 ft.: $1.00 per ft.

ELECTRICIAN.....$ 48.31 22.00
All Areas

IRONWORKER

Reinforcing Iron and Rebar Workers.....$ 42.70 28.92
Structural Iron and Steel Workers.....$ 38.31 27.91

LABORER

Group 1.....$ 30.48 13.60
Group 2.....$ 33.96 13.60
Group 3.....$ 34.21 13.60
Group 4.....$ 35.33 13.60

GROUP 1: Flag Person for Traffic Control

GROUP 2: General Labor; Asbestos Removal; Burning Bar; Bucket Man; Carpenter Tender; Caisson Worker; Cement Mason Tender; Cement Handler (dry); Chuck Tender; Choker Setter; Concrete Worker; Curb Machine-Lay Down; Crusher and Batch Worker; Heater Tender; Fence Erector; Landscape Laborer; Landscaper; Lawn Sprinkler Installer; Pipe Wrapper; Pot Tender; Powderman Tender; Rail and Truck Loaders and Unloaders; Riprapper; Sign Erection; Guardrail and Jersey Rail; Spike Driver; Stake Jumper; Signalman: Tail Hoseman; Tool Checker and Houseman and Traffic Control Worker

GROUP 3: Concrete Vibrator; Dumpman (Grademan); Equipment Handler; Geotextile and Liners; High-Pressure Nozzleman; Jackhammer (Pavement Breaker) Non-Riding Rollers; Pipelayer; Posthole Digger (power); Power Driven Wheelbarrow; Rigger; Sandblaster; Sod-Cutter-power and Tampers

GROUP 4: Hod Carrier; Water Well Laborer; Blaster; Wagon Driller; Asphalt Raker; Cutting Torch; Grade Setter; High- Scaler; Power Saws (Faller & Concrete); Powderman; Rock & Core Drill; Track or Truck Mounted Wagon Drill and Welder incl. Air Arc

LINE CONSTRUCTION

Equipment Operator.....$ 55.14 23.37
Groundman.....$ 37.43 21.85
Lineman.....$ 62.60 24.46

PAINTER	$ 39.60	14.12
PILE BUCKS	$ 43.78	17.07

POWER EQUIPMENT OPERATOR:

Group 1	$ 35.72	14.05
Group 2	$ 38.00	14.05
Group 3	$ 39.27	14.05
Group 4	$ 40.60	14.05
Group 5	$ 41.85	14.05
Group 6	$ 43.20	14.05
Group 7	$ 46.15	14.05

GROUP 1: Air Compressor; Auto Fine Graders; Belt Finishing; Boring Machine (small); Cement Silo; Crane, A-Frame Truck Crane; Crusher Conveyor; DW-10, 15, and 20 Tractor Roller; Farm Tractor; Forklift; Form Grader; Front End Loader Under 1 CU Yard; Heavy Duty Drills; Herman Nelson Heater; Mulching Machine; Oiler, All Except Cranes & Shovels; Pumpman

GROUP 2: Air Doctor; Backhoe/Excavator/Shovel up to and including 3 CU Yard; Bit Grinder; Bituminous Paving Travel Plant; Boring Machine Large; Broom, Self-Propelled; Concrete Travel Batcher; Concrete Float & Spreader; Concrete Bucket Dispatcher; Concrete Finish Machine; Concrete Conveyor; Distributor; Dozer; Rubber-Tired, Push & Side Boom; Elevating Grader/Gradall; Field Equipment Serviceman; Front End Loader 1 CU Yard to including 5 CU Yard; Grade Setter; Heavy Duty Drills, All Types; Hoist/Tugger, All; Hydra lift Forklifts & Similar; Industrial Locomotive; Motor Patrol (except finish); Mountain Skidder; Oiler, Cranes\Shovels; Pavement Breaker, EMSCO; Power Saw, Self-Propelled; Pugmill; Pumpcrete\Grout Machine; Punch Truck; Roller, Other Than Asphalt; Roller, Sheepsfoot (Self-Propelled); Roller, 25 Tons and Over; Ross Carrier; Rotomill Under 6 Ft; Trenching Machine; Washing/Screening Plant

GROUP 3: Asphalt Paving Machine; Asphalt Screed; Backhoe/Excavator/Shovel Over 3 CU Yard; Cableway Highline; Concrete Batch Plant; Concrete Curing Machine; Concrete Pump; Cranes; Creter; Cranes, Electric Overhead; Cranes 24 Tons and Under; Curb Machine/Slip Form Paver; Finish Dozer; Front End Loader Over 5 CU Yard; Mechanic/Welder; Pioneer Dozer; Roller Asphalt (Breakdown & Finish); Rotomill, Over 6 FT; Scraper, Single, Twin or Pulling Belly Dump; Yo-Yo Cat Haul Truck, Articulating Trucks, Vac Truck

GROUP 4: Asphalt/Hot Plant Operator, Cranes, 25 Tons up to and incl. 44 Tons; Crusher Operator; Finish Motor Patrol; Finish Scraper

GROUP 5: Cranes, 45 Tons up to and incl. 74 Tons

GROUP 6: Cranes, 75 Tons up to and incl. 149 Tons; Crane, Whirley (All)

GROUP 7: Cranes, 150 Tons up to and incl. 250 Tons; Cranes, over 250 tons-add $1.00 for every 100 tons over 250 tons; Crane, Tower (All); Crane Stiff-Leg or Derrick; Helicopter Hoist

TRUCK DRIVER

Group 1.....$ 31.03 13.83

Group 2.....$ 39.31 13.83

Group 1: Pilot Car

Group 2: Combination Truck and Concrete Mixer and Transit Mixer; Dry Batch Trucks; Distributor Driver; Dumpman; Dump Trucks and Similar Equipment; Dumpster; Flat Trucks; Lumber Carriers; Lowboys; Pickup; Powder Truck Driver; Power Boom; Serviceman; Service Truck/Fuel Truck/Tireperson; Truck Mechanic; Trucks with Power Equipment; Warehouseman, Partsman, Cardex and Warehouse Expeditor; Water Trucks

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WELDERS - Receive rate prescribed for craft performing

operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors, applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at: https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded.

If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least $13.65 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract from May 11, 2026, through December 31, 2026. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses

(29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010

01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier. ?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:
    a) a survey underlying a wage determination
    b) an existing published wage determination
    c) an initial WHD letter setting forth a position on a wage determination matter

d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to:

davisbaconinfo@dol.gov or

by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to:

BCWD-Office@dol.gov or

by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7).

Requests for review and reconsideration can be submitted via email to:

dba.reconsideration@dol.gov or

by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board).

Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

"CONTRACTOR REQUIREMENTS AND ACKNOWLEDGMENT FOR WORKING ON RAILROAD RIGHT-OF-WAY"

This document must be dated and signed by the Contractor and submitted to the State before occupying or working on Railroad right-of-way.

1) No change, which has a direct effect on the Railroad, will be made to construction plans without submitting revised plans and receiving approval from the Railroad. Work covered by the plans, that requires flagging, will be covered by the Railroad/Highway Agreement. For work that is a result of the contractor's discretion, flagging protection will be required when equipment crosses or is working within 25 feet (7.62 meters) of center of any live track. When deemed necessary by local Railroad officers, a flagman may be required at all times while working on Railroad right-of-way in high density rail traffic area.

2) Crossing of any Railroad tracks must be done at approved locations and must be full depth timber, rubber, etc. Any equipment with steel wheels, lugs or tracks must not cross steel rails without the use of rubber tires or other approved protection. This shall apply specifically to, but not be limited to, access for Contractor furnished gravel, borrow or waste sites. The Contractor will be required to obtain a permit from the Railroad, and comply with any provisions thereof, before using any private Railroad crossings. All track crossing locations must be covered by a Private Roadway and Crossing Agreement. This does not apply to any public crossing.

3) Costs of flagging or planking protection of the tracks, which are a direct result of the planned construction, will be paid for by the State. Costs of flagging, planking for protection of the tracks, installation of new crossings or other work caused by the Contractor's discretion, will be paid by the Contractor.

4) When work to be performed by the Contractor is not covered in the Railroad/Highway agreement, the Contractor must furnish a plan to the Railroad for approval showing details as to how any work that may affect the Railroad will be accomplished.

5) Storing of construction materials or any other material, including dirt, sand, etc., within the Railroad right-of-way, will not be allowed unless covered by an easement, construction permit, or Contractor's permit/lease.

6) Construction within 25 feet (7.62 meters) of the center of any track not covered by the Railroad/Highway agreement will require plan approval and authorization by the Railroad Superintendent Maintenance and Engineering. This includes, but is not limited to, any excavation, slope work and driving of sheet piling.

7) No vehicles, equipment or machines shall be parked or stored unattended within 25 feet (7.62 meters) of any track, on railroad right-of-way, without specific written approval of the Railroad.

8) When any work is to be performed on Railroad property by the Contractor that is not shown in the construction plans, the Contractor must submit a detailed plan of the work to the Railroad for their approval.

CONTRACTOR'S ACKNOWLEDGMENT:

_____
Company

By: _____
Name

_____
Title

_____
Date

WORK SITE LOCATION:

_____
Town

_____
State

_____
Project #

Rev. 01/01/04

FHWA-1273 – Revised June 25, 2026

CONTRACT PROVISIONS FOR
FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Davis-Bacon and Related Act Provisions
IV. Contract Work Hours and Safety Standards Act Provisions
V. Subletting or Assigning the Contract
VI. Safety: Accident Prevention
VII. False Statements Concerning Highway Projects
VIII. Implementation of Clean Air Act and Federal Water Pollution Control Act
IX. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
X. Certification Regarding Use of Contract Funds for Lobbying
XI. Use of United States-Flag Vessels

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only).

I. GENERAL

1. Historically, contracting agencies using Federal-aid highway funds were required to ensure Form FHWA-1273 was physically incorporated into all contracts and subcontracts. Effective June 10, 2026, this requirement was eliminated [91 FR 25492]. Future use of Form FHWA-1273 is now optional on the part of the contracting agency using Federal-aid highway funds. FHWA continues to make Form FHWA-1273 available as a convenience to contracting agencies. Contracting agencies must continue to ensure compliance with the provisions cited in Form FHWA-1273 in accordance with the provisions regardless of the use of Form FHWA-1273. Accordingly, the contracting agency retains the authority to determine whether the contractor must use Form FHWA-1273 to physically incorporate required contract provisions in each subcontract and in lower tier contracts. Where permitted by the contracting agency, the contractor may choose other ways to include required contract provisions in each subcontract, besides incorporating Form FHWA-1273. Contract provisions in Form FHWA-1273 are not required to be physically included in subcontracts for design services on Federal-aid design-build contracts, or in purchase orders, rental agreements and other agreements for supplies or services.

The applicable provisions of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor or design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents.

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION

The contractor and all subcontractors must comply with the following policies: 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27, including any amendments thereto.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27, including any amendments thereto.

The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract.

1. Assurances Required:

a. The requirements of 49 CFR Part 26, including any amendments thereto, and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26, including any amendments thereto, in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

(1) Withholding monthly progress payments;
(2) Assessing sanctions;
(3) Liquidated damages; and/or
(4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E, including any amendments thereto, are incorporated by reference. 49 CFR Part 21.

III. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 “Contract provisions and related matters” with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided,* That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH–1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in 29 CFR part 1, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the

classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to DBAconformance@dol.gov. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to DBAconformance@dol.gov, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph 2.a. of this section or Section IV, paragraph 3.a., or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act); daily and weekly number

of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (*e.g.,* the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH–347 or in any other format desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division website at *https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347/.pdf* or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH–347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 3729.

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with 29 CFR part 30, including any amendments thereto.

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section III. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs (1) through (11) of this section, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the

contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, 18 U.S.C. 1001.

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or 29 CFR part 1 or 3; or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or 29 CFR part 1 or 3.

IV. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* $33 as of January 15, 2025 (See 90 FR 1859) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section III paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

V. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term “perform work with its own organization” in paragraph 1. of this section refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;
(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph 1. of this section is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however,

contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VI. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

VIII. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of $150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

IX. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1**. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

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3. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. “First Tier Covered Transactions” refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). “Lower Tier Covered Transactions” refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). “First Tier Participant” refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). “Lower Tier Participant” refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

X. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

XI. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (40 U.S.C. sections 14501(d) and 14701 and the Appalachian Regional Commission Code as authorized under 40 U.S.C. section 14302)
This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 40 U.S.C. 14501 allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

Supplemental Revisions for FHWA Form-1273 (Dated May 1, 2012)
Required Contract Provisions
Federal-Aid Construction Contracts

The following are supplementary or amendatory to the May 1, 2012, FHWA Form-1273 insofar as they apply to this contract:

Add the following provisions in accordance with the FHWA memo dated December 11, 2015:

Utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

Furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, ‘on-board’ commercial ocean bill-of-lading in English for each shipment of cargo described in above paragraph to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

SPECIAL PROVISIONS

EEO AFFIRMATIVE ACTION REQUIREMENTS ON FEDERAL & FEDERAL-AID CONSTRUCTION CONTRACTS

Federal-aid contractors are hereby notified they are subject to the OFCCP goals and economic areas for minority and female participation expressed below. Compliance with the goals and OFCCP affirmative action efforts for contracts and subcontracts consisting of $10,000 or more will be determined by OFCCP officials.

Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246)

1. The Offeror's or Bidder's attention is called to the Equal Opportunity Clause and "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

GOALS FOR FEMALE PARTICIPATION (statewide) 6.9%

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE
Economic Areas:

152
Non-SMSA (Standard Metropolitan Statistical Area) Counties 4.4%
Daniels, Richland, Roosevelt, Sheridan

153 Great Falls, MT
SMSA Counties
3040 Great Falls, MT 3.2%
Cascade

Non-SMSA Counties 4.1%
Blaine, Broadwater, Chouteau, Fergus, Glacier, Hill, Jefferson, Judith Basin, Lewis & Clark, Liberty, Meagher, Petroleum, Phillips, Pondera, Teton, Toole, Valley, Wheatland

154 Missoula, MT
Non-SMSA Counties 2.7%
Beaverhead, Deer Lodge, Flathead, Granite, Lake, Lincoln, Madison, Mineral, Missoula, Powell, Ravalli, Sanders, Silver Bow

155 Billings, MT
SMSA Counties
0880 Billings, MT 3.3%
Yellowstone

Non-SMSA Counties 3.3%
Big Horn, Carbon, Carter, Custer, Dawson, Fallon, Gallatin, Garfield, Golden Valley, McCone, Musselshell, Park, Powder River, Prairie, Rosebud, Stillwater, Sweet Grass, Treasure, Wibaux, Yellowstone Nat'l Park

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.