CONTRACT NO. 03121

Backsfed.012121

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 Bureau, Room 101, 2701 Prospect, Helena, Montana until 9:00 a.m. on January 21, 2021. All bids will then be publicly opened, reviewed for correctness, and then publicly read.

Federal Aid Project(s):

STPB 9039(44) Conley Ave Bridge-Deer Lodge

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 #03121
AWARDED ON: FEBRUARY 2, 2021
TO: FRONTIER WEST, LLC

MONTANA DEPARTMENT OF TRANSPORTATION

Barb Skelton, Chairperson
Montana Transportation Commission

Malcolm "Mack" Long
Director of Transportation

Contract No.03121
PB:ST:8930000AWD-101

101 - CONLEY AVE BRIDGE- DEER LODGE - January 21, 2021

Notifications

No Notices available for this project.

Addendums

-1-
Submitted: 19-JAN-2021 4:38PM
An Addendum has been posted for this project: **ADDENDUM**
To download the addendum bid files, click here: **BID FILES**

Clarifications

-1-
Submitted: Tuesday 22-DEC-2020 08:14AM
The **MDT Nondiscrimination and Disability Accommodation Notice** has been updated in Section II.

-2-
Submitted: Tuesday 12-JAN-2021 01:55 PM
The Training Program was inadvertently left off this project. 1 Trainee at 500 hours will be added by Addendum. The attached Special is hereby made part of this project. **TRAINING PROGRAM SPECIAL(See end of Q & A)**

-3-
Submitted: Thursday 14-JAN-2021 10:13AM
The attached Partnering Level II Special Provision is hereby made part of this contract. **LINK (See end of Q & A)**

Questions

-1-
Submitted: Tuesday 22-DEC-2020 07:53 AM
Company: Frontier West, LLC
Contact: Estimating
Can MDT provide the as-builts for this project?
Answer
Submitted: Tuesday 22-DEC-2020 10_17 AM
There are no as-built drawings available for this bridge.

-2-
Submitted: Tuesday 22-DEC-2020 02:59 PM
Company: Dick Anderson Construction
Contact: Tyler Baumberger
Has MDT been in communication with the power company to relocate the existing power line that runs across the Clark Fork River on the upstream (South) side of the existing structure? The line, in its current location, it is going to impede the installation of the detour/work bridge, and installation of bulb tee girders. Would MDT allow the detour/work bridge to be constructed on the North side of the existing structure and if so would the provide and updated plan sheet.
Answer
Submitted: Tuesday 12-JAN-2021 08:35 AM
A temporary work structure on the north side within the construction permit limits is allowed. The Contractor shall consider sequencing with conflicting work items such as riprap, bioengineered bank, and storm drains.

MDT coordinated with the power company during the design phase. It was decided that the public detour bridge would be located on the south side to accommodate turning movements. Placement of a public detour on the north side did not accommodate public traffic turning movements. Discussions to remove or relocate the overhead power lines during construction have occurred with Northwest Energy. Northwest Energy indicated the overhead power lines could not be relocated or removed during construction. If the contractor would like to shield or temporarily relocate the power lines they will need to coordinate with the power company.

-3-

Submitted: Wednesday 23-DEC-2020 02:51 PM
Company: SK Geotechnical
Contact: Cory Rice
Our firm did the geotechnical work for this project. Will it be acceptable for us to quote contractor's for the dynamic load testing and thermal integrity profiler testing.

Answer
Submitted: Monday 28-DEC-2020 07:55 AM
Yes. it is acceptable.

-4-

Submitted: Tuesday 05-JAN-2021 09:16 AM
Company: Forterra
Contact: Brian Jenner
Can a 4'-10" tall deck bulb tee be used? The special provisions say the beam height can be the plan height or less, however, can a 4'-10" tall unit be used for this project?

Answer
Submitted: Tuesday 05-JAN-2021 03:27
Yes, a maximum 4'-10" tall deck bulb tee beam can be used. Match finished grade elevations shown in the plans and make any required changes to the substructure elevations. Follow all the requirements in the Alternate Prestressed Concrete Beam Section Special Provision regarding submittals.

-5-

Submitted: Tuesday 05-JAN-2021 09:35 AM
Company: MDS Construction Supply
Contact: Dave
On Sheet B10 the Weld Tie Connection Detail calls out 3 different types of grout for the keyway. Is a fiber-reinforced non-shrink grout acceptable for use in this application as long as it is capable of the 4000 PSI after 24 hrs.

Answer
Submitted: Tuesday 05-JAN-2021 02:15 PM
Yes, non-shrink fiber reinforced grout is acceptable.

-6-

Submitted: Monday 11-JAN-2021 08:30 AM
Company: Dick Anderson Construction
Contact: Tyler Baumberger
Special Provision 33 Vibration Monitoring calls out to monitor vibrations induced during construction. Is this meant for every activity that has any sort of vibration to it?

Answer
Submitted: Tuesday 12-JAN-2021 12:58PM
Perform vibration monitoring during pile driving, vibratory pile driving, vibratory compaction, blasting, and other activities that could have adverse effects to nearby structures as determined by the contractors vibration monitoring consultant.

-7-
Submitted: Monday 11-JAN-2021 11:32 AM
Company: Teton Prestress Concrete
Contact: Audrey Diaz
Can the width of the base be changed from 2'2" to 2' wide? Can the stem of the girder be increased from 6" to 7" wide?
Answer
Submitted: Tuesday 12-JAN-2021 1:03PM
Yes, the beam width at the base can be changed to 2 feet wide and the stem of the girder can be increased to 7 inches wide. Follow the requirements in the Alternate Prestressed Concrete Beam Section Special Provision. Contractor to consider resulting modifications needed for the bearing system due to the wider beam stem and any cost implications.

-8-
Submitted: Monday 11-JAN-2021 02:37 PM
Company: TL Painting
Contact: Ron Reardon
Is the anti-graffiti coating on this project sacrificial or non sacrificial?
Answer
Submitted: Wednesday 13-JAN-2021 07:18 AM
Provide a non-sacrificial coating in conformance with the Standard Specifications 710.04.

-9-
Submitted: Tuesday 12-JAN-2021 01:36 PM
Company: Forterra
Contact: Brian Jenner
Would it be possible to decrease the weight of the barrier rail?
Answer
Submitted: Friday 15-JAN-2021 09:04AM
The contractor may reduce the barrier weight through the use of an EPS structural foam core. A core of up to 6"x42" may be utilized resulting in a barrier load of 0.625 kip/ft per rail. The overall dimensions and reinforcing steel of the barrier must remain the same. Provide Structural foam meeting the requirements of ASTM D6817-17 and have a minimum density of 2.4 pcf. Provide a solid concrete section for the barriers off the bridge ends. The final details will have to be worked out with the design consultant and MDT after the project is let. Include all costs associated with the barrier modifications in the unit price bid for Barrier Rail-Cast In Place-BR-CSC bid item.

-10-
Submitted: Tuesday 12-JAN-2021 04:01 PM
Company: TPC
Contact: Audrey Diaz
REWRITE: Can the base of the beam be extended to 2'2"?
Answer
Submitted: Wednesday 13-JAN-2021 08:25 AM
Yes, Beam base width can be modified to 2'-2". Follow the requirements in the Alternate Prestressed Concrete Beam Section Special Provision.

-11-
Submitted: Thursday 14-JAN-2021 04:21 PM
Company: Cannon Builders
Contact: Curtis Cannon
Sheet 18 - Work/Detour Bridge Plan & Profile includes a typical detour section consisting of two - 12 ft lanes. Does the temporary detour bridge also need to be the same width? The overall lane width of both the existing and new bridge is 16 ft.

Answer
Submitted: Tuesday 19-JAN-2021 09:35AM
Construct the temporary public detour bridge in accordance with the Plan and Profile. Although traffic volume is low the width allows for turning movements of longer vehicles.

-12-
Submitted: Friday 15-JAN-2021 07:23 AM
Company: Dick Anderson Construction
Contact: Tyler Baumberger
Based on the response to question 2, would the contractor be responsible for installing the southern detour bridge even if they installed the bridge on the north side. Or would we have to investigate traffic movements to ensure that the the northern bridge could accommodate traffic movements to eliminate the southern detour bridge.
Answer
Submitted: Tuesday 19-JAN-2021 09:40AM
The southern detour was analyzed for truck turning movements and determined adequate. The south detour bridge is required. Analysis on using the area north of the bridge as a public detour indicated that truck turning movements were not accommodated, primarily due to the proximity with the St Joe Locomotive at the east approach. The contractor may submit a Value Engineering Proposal after award of the contract following the Standard Specifications 104.08 if they can ensure truck turning movements are accommodated.

-13-
Submitted: Friday 15-JAN-2021 01:45 PM
Company: Sletten Construction
Contact: Tony Ewalt
There appears to be a water line running under the river and parallel to the bridge and upstream from the new structure. This waterline appears to be in direct conflict with the substructure for the detour bridge. Can MDT confirm this line size and location? Can MDT provide more accurate information to locate this waterline so that pile can be driven for the detour bridge without conflict? Is this the only other known utility that is underground and in conflict with the detour bridge location?
Answer
Submitted: Tuesday 19-JAN-2021 09:42AM
The exposed, visible waterline in the river approximately 50-feet upstream of the existing bridge is abandoned. The active water line is shown on the Road Plans underneath the overhead power. Utility investigations did not identify active utilities in conflict with the south detour bridge.

-14-
Submitted: Friday 15-JAN-2021 01:47 PM
Company: Sletten Construction
Contact: Tony Ewalt
There is an exposed gas line on the north side of the existing bridge. The drawings show this gas line at a location under the new bridge structure. Will this gas line be relocated by the utility company to some other new location prior to bridge demo? If so, where and when will it be relocated? If it is not relocated prior to the start of work, how do you propose that the bridge work proceeds with the gas utility line as is? Please advise.
Answer
Submitted: Wednesday 20-JAN-2021 08:33AM
Gas line relocation work is not complete, but is anticipated to be completed prior to the NTP. If the contractor plans on utilizing a work bridge on the north side, they will be required to coordinate work with the Gas Company and MDT's utility agent to determine a location that would facilitate the construction of a work bridge.

Question 15 refers to MDT paying Force Account to temporarily relocate the power lines allowing the detour bridge to be utilized as a work bridge in accordance to the contract, eliminating the need for a work bridge located on the north side.

-15-

Submitted: Friday 15-JAN-2021 04:22 PM
Company: Sletten Construction
Contact: Tony Ewalt
Follow up to the response to question #2. It is very apparent that the power lines will impact the demo and construction of this new bridge due to their proximity. Overhead hoisting may at times be within the OSHA restriction zone from these power lines. A work structure to the north, separate from the detour bridge will surely help alleviate the amount of impact. However, the response to question #2 states that coordination with the power company for relocating or shielding is on the contractor. We have been informed on recent projects that the power company will not shield lines any longer because they feel this provides a false sense of security. Additionally, we have been in contact with the power company for this specific project, and to date, they do not have a final plan and cost to relocate the power line temporarily or permanently. Early conversation, however discusses budgetary numbers that are $50,000 or potentially more. Due to the power company not having a full answer at this time, and the uncertainty of what the magnitude of this cost might be, would it be prudent to treat the cost of moving the powerline as a Force Account work item, or some other form of allowance or contingency that is not part of the contractor's bid? Please advise.
Answer
Submitted: Tuesday 19-JAN-2021 9:33AM
The cost of temporary relocating the power lines will be paid as a Force Account. An additional 60,000 units will be added to bid Item 104 030 010 Miscellaneous Work. An addendum will be issued.

-16-

Submitted: Friday 15-JAN-2021 04:26 PM
Company: Sletten Construction
Contact: Tony Ewalt
Reference Special Provision #39 - Exploratory Excavation. There appears to be a link for the vacuum excavation survey and services report. We cannot open this link. Can you please provide another means of providing this report for review?
Answer
Submitted: Tuesday 19-JAN-2021 03:07PM
The Link has been fixed.

-17-

Submitted: Tuesday 19-JAN-2021 08:26 AM
Company: Helena Sand & Gravel
Contact: Estimating
What are the specifications and requirements for item # 610 100 650 STREAM RESTORATION SPECIALIST? Or, is this just the same as a Prequalified Stream Restoration Contractor? Are there additional requirements for the restoration specialist?
Answer
Submitted: Tuesday 19-JAN-2021 1:34PM
Special Provision # 22 Prequalified Stream Restoration Contractor's is hereby replaced with the following special. Bid item # 610100650 Stream Restoration Specialist is hereby deleted from this contract. An addendum will be issued.

1. PREQUALIFIED STREAM RESTORATION CONTRACTORS

A. Description. This project requires the use of a Prequalified Stream Restoration Contractor to

complete the bioengineered bank work and assist in the riprap installation and portions of the riverbank revegetation work as shown in the plans and described elsewhere in the bid documents.
B. Requirements: Hire a Stream Restoration Contractor as a sub-contractor to the Prime to complete the work described above associated with the Conley Ave bridge replacement over the Clark Fork River.
1.) A list of pre-qualified stream restoration contractors is located at the following website: http://www.mdt.mt.gov/business/contracting/prequalified.shtml
2.) Contractors not currently pre-qualified by the Department to perform stream restoration work can obtain pre-qualification information from the Construction Engineering Services Bureau, (406) 444-6015, 2701 Prospect Ave., Helena, Montana. A complete Statement of Qualifications (SOQ) must be received a minimum of 14 calendar days prior to the bid opening as specified in the Invitation for Bids.
3.) Adjustments may be necessary to minimize disturbance to existing vegetation or other river features and to field-fit the design. Ensure all adjustments are approved by PM prior to execution of the work. The PM will coordinate the proposed changes with the MDT District Biologist and other MDT staff prior to approval.
C. Measurement and Payment. Include all costs associated with using a prequalified Stream Restoration Contractor in the associated bid items.

1. TRAINING PROGRAM [102] (REVISED 2-27-14 M)

A. Description. This work is providing on-the-job training for 1 trainee.

B. Materials. Vacant.

C. Construction Requirements.

1) Training Program. Training and upgrading of minorities and women toward journeyperson status is the primary objective of the Training Program. Journeyperson status is considered achieved when an individual is recognized as a qualified and skilled person in a trade and is entitled to the wages and benefits associated with that trade. Make every effort to enroll minority and women trainees (e.g., by conducting systematic and direct recruitment through public and private sources likely to yield minority and women trainees) to the extent that such persons are available within a reasonable area of recruitment. Be responsible for demonstrating the steps taken to meet the primary objective. This training commitment is not intended, and is not to be used, to discriminate against any applicant for training, whether a member of a minority group or not.

Establish a Training Program documenting the anticipated length and type of training for each classification. The Training Program and any subsequent changes must be approved by the Department's Civil Rights Bureau and the FHWA. The program will receive approval if it is reasonably calculated to meet the equal employment opportunity obligation of the Contractor and to qualify the trainee for journeyperson status. Apprenticeship programs registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau and training programs approved but not necessarily sponsored by the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and Training will also be considered acceptable provided they are being administered in a manner consistent with the equal employment obligations of federal-aid highway construction contracts.

Submit two copies of a letter listing the number of trainees to be trained in each selected classification and the Training Program fifteen calendar days prior to commencing any construction activities for approval. Specify the expected start date for training in each of the classifications. The Department will credit the Contractor for each trainee that becomes enrolled in an approved program and is employed on the project site covered by the contract.

Obtain approval or acceptance of the Training Program from the Department's Civil Rights Bureau prior to commencing work associated with the Training Program.

The Contractor may submit a written request to the Project Manager and the MDT OJT Program Manager requesting additional hours of training. The Department will evaluate the request based on the remaining activities providing training opportunities and the value of additional training towards further developing the trainees' skill level. Additional hours must be reflected and approved in an updated Training Program.

Each trainee must receive a minimum of 500 hours of on-the-job training aimed at developing full journeypersons in the type of trade or job classification involved, but hours are not to exceed those specified in the approved Training Program. No employee is to be employed as a trainee in any classification that has been successfully completed previously or in which the trainee has been employed as a journeyperson. Classifications such as clerk-typists or secretarial positions are not eligible for the Training Program. Training is permissible in lower level management positions such as office engineers, estimators, timekeepers, etc., where the training is provided on the project site and is oriented toward construction applications. Training in the Laborer classification may be permitted provided that significant and meaningful training is provided and approved by FHWA.

The trainee must begin training on the project as soon as feasible after start of work utilizing the skill involved and remain on the project as long as training opportunities exist in the work classification or until the Training Program is completed. It is not required that all trainees be employed for the entire length of the contract.

Provide for the maintenance of records and furnish the Project Manager two copies of the monthly 7A reports documenting training performance under this provision.

In the event the Contractor subcontracts a portion of the contract work, designate in writing which Subcontractors are to participate in the training obligation. Ensure this provision is physically attached to each subcontract, as appropriate. Retain the primary responsibility for meeting the training requirements.

2) Trainee Payrolls. Trainees must be paid the following percentages of the appropriate minimum journeyperson's rate specified in the contract, or if no rate is specified in the contract, the percentages of the minimum rate paid journeypersons by the Contractor:

- 60 percent for the first half of the training period.
- 75 percent for the third quarter of the training period.
- 90 percent for the last quarter of the training period.

In the event apprentices or trainees in an approved existing program are enrolled as trainees on this project, the appropriate rates approved by the Departments of Labor or Transportation apply to all trainees being trained for the same classification who are covered by this provision.

Furnish the trainee a copy of the program and explain to the trainee the intent of the specific training to be provided. Upon completion of the Training Program, provide each trainee with a certification showing the type and length of training satisfactorily completed.

D. Method of Measurement. All hours of onsite training as outlined in the approved program and as shown on project payrolls and monthly 7A Training Reports will be measured for payment, up to the total established by the approved Training Program.

E. Basis of Payment. Payment at the contract unit price bid per hour of Training Program is considered full reimbursement for the extra cost involved in providing the training as outlined in the approved Training Program.

No additional reimbursements will be made for trainee or trainer wages. No reimbursement for off-site training will occur, unless otherwise stated in the contract. No payment will be made to the Contractor if failure to provide the required training occurs or if the Contractor fails to meet the primary objective and is unable to provide evidence indicating good faith efforts to meet it. Failure to furnish required documents and reports in the manner and time specified may result in forfeiture of all or a portion of the amounts due the Contractor for training reimbursement.

1. PARTNERING- LEVEL II FACILITATION [105]

An internal partnering meeting will be facilitated between the Project Manager and the Contractor prior to the Notice to Proceed date.

Implement partnering in accordance with the Montana Partnering Field Guide found at the following link: https://www.mdt.mt.gov/publications/manuals.shtml#con

Make a good-faith effort to settle any unresolved discrepancies by utilizing the Partnering Escalation/Issue Resolution Ladder identified in the Partnering Field Guide prior to submitting a notice of claim.

CONTRACT NO. 03121

Montana Department of Transportation
Construction Contracting Bureau

Date(s) Issued:
January 19, 2021

A D D E N D U M

For The Following Project(s)
To Be Let On:
January 21, 2021

101 – Conley Ave Bridge – Deer Lodge
STPB 9039(44)

ADDENDUM NO. 1
ATTACHMENT NO. 1

REVISED SCHEDULE OF ITEMS
Adding Item #:
103 000 000 - Training Program - 500.00 Hour
Revised Item #
104 030 010 - Miscellaneous Work - 85,000.00 Units

ATTACHMENT NO. 2

REVISED SCHEDULE OF ITEMS
Deleting Item #:
610 010 650 - Stream Restoration Specialist

INSTRUCTIONS – READ CAREFULLY

Load the electronic amendment file while in the opened project file to apply the addendum. In order to be responsive, the Schedule of Items printout on projects with addendums must show the addendum(s) applied at the bottom of each page.

Revised documents supersede and replace the documents you now have. New documents supplement the documents you now have. Make the necessary changes in your bidding documents.

Darin Reynolds, Bureau Chief
Construction Contracting Bureau

MONTANA DEPARTMENT OF TRANSPORTATION
SCHEDULE OF ITEMS

CONTRACT ID: 03121

PROJECT: STPB 9039(44) (8930044000)
CONLEY AVE BRIDGE - DEER LODGE

PROP LINE NO.	ITEM NUMBER	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY
	SECTION 0001 - RECONSTRUCTION OF THE EXISTING ROADWAY			
0005	**103 000 000**	**TRAINING PROGRAM**	**HOUR**	**500.00**
0010	104 030 010	MISCELLANEOUS WORK	UNIT	**85,000.00**
0020	104 030 011	MISCELLANEOUS ITEMS-LS	LS	1.00
0030	104 030 045	MISCELLANEOUS ITEMS-EACH	EACH	1.00
0040	108 000 000	CRITICAL PATH SCHEDULE	LS	1.00
0050	109 200 005	MOBILIZATION	LS	1.00
0060	202 020 041	REMOVE STRUCTURE	LS	1.00
0070	203 020 100	EXCAVATION-UNCLASSIFIED	CUYD	991.00
0080	203 020 405	SITE MONITORING	LS	1.00
0090	203 030 117	EXPLORATORY EXCAVATION	HOUR	24.00
0100	206 000 020	DETOUR-CONSTRUCT, MAINTAIN, REMOVE	LS	1.00
0110	208 010 000	BMP ADMINISTRATION-LS	LS	1.00
0120	208 010 200	TEMPORARY EROSION CONTROL-FIXED	UNIT	500.00
0130	208 010 500	BIOENGINEERED BANK	LS	1.00
0140	209 010 160	TEMPORARY SHORING	LS	1.00
0150	301 020 254	BRIDGE END BACKFILL-TYPE 3	CUYD	498.00
0160	301 020 340	CRUSHED AGGREGATE COURSE	CUYD	479.00
0170	301 020 625	AGGREGATE TREATMENT	SQYD	1,943.00
0180	401 020 023	COMMERCIAL MIX-PG 58-28	TON	489.00
0190	401 020 064	COMMERCIAL PLANT MIX-MISC	TON	160.00
0200	402 020 315	EMULSIFIED ASPHALT-TACK COAT	GAL	269.00
0210	551 020 035	CONCRETE-CLASS STRUCTURE	CUYD	82.90
0220	551 020 036	CONCRETE-CLASS STRUCTURE LOW SLUMP	CUYD	16.00
0230	551 020 166	CONCRETE-CLASS DRILLED SHAFT	CUYD	72.40
0240	553 010 300	PRESTRESSED BEAM-BULB TEE	LNFT	673.00
0250	555 010 100	REINFORCING STEEL	LB	22,896.00
0260	555 010 200	REINFORCING STEEL-EPOXY COATED	LB	12,391.00
0270	556 010 010	STRUCTURAL STEEL - MISC	LS	1.00
0280	558 000 170	DRILLED SHAFT - 6.0 FT	LNFT	70.00
0290	558 001 300	TEMP DRILLED SHAFT CASING	LNFT	70.00
0300	558 010 050	THERMAL INTEGRITY PROFILER	EACH	1.00
0310	559 010 202	RE-DRIVE TEST PILE	EACH	2.00
0320	559 040 035	DYNAMIC LOAD TEST	EACH	2.00
0330	559 050 115	FURN STEEL PILE-PIPE	LB	56,803.00
0340	559 060 115	DRIVE STEEL PILE	LNFT	662.80
0350	559 060 350	PILE CONICAL DRIVING POINT	EACH	12.00
0360	603 000 087	ABANDON SANITARY SERVICE	EACH	2.00
0370	603 012 506	RCP 12 IN	LNFT	41.40
0380	603 012 530	RCP 18 IN	LNFT	222.50
0390	603 587 030	REMOVE STORM DRAIN	LNFT	51.50
0400	604 000 140	REMOVE DROP INLET	EACH	1.00
0410	604 010 302	MANHOLE STRUCTURE BASE 48 IN (1220 MM)	EACH	4.00
0420	604 010 352	ADDITIONAL BARREL 48 IN	LNFT	7.30
0430	605 000 030	BARRIER RAIL-CAST IN PLACE-BR-CSC	LNFT	387.20
0440	606 400 130	REMOVABLE BOLLARD	EACH	1.00
0450	606 400 140	REMOVE BOLLARD	EACH	2.00
0460	607 100 389	FENCE-WOOD-2 RAIL	LNFT	33.50
0470	608 000 020	SIDEWALK DRAIN	EACH	1.00
0480	608 010 018	SIDEWALK-SPECIAL DESIGN	SQYD	21.70
0490	608 010 125	DETEC WARNING DEVICES-TYPE 1	SQYD	4.00
0500	610 100 559	REVEGETATION	LS	1.00

PROP LINE NO.	ITEM NUMBER	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY
0510	610 100 560	RIPRAP REVEGETATION	SQYD	92.00
0510	**610 010 650**	**DELETED**		
0530	612 020 000	ANTI-GRAFFITI COATING	SQYD	356.00
0540	613 100 030	RIPRAP-CLASS 1 RANDOM	CUYD	3.20
0550	613 100 050	RIPRAP-CLASS 3 RANDOM	CUYD	346.20
0560	613 300 050	BANK PROTECTION-TYPE 3	CUYD	25.00
0570	618 030 015	TRAFFIC CONTROL-FIXED	UNIT	500.00
0580	618 030 080	TRAFFIC CONTROL-LS	LS	1.00
0590	619 010 086	SIGNS-ALUM REFL SHEET IV	SQFT	10.00
0600	619 010 090	SIGNS-ALUM REFL SHEET XI	SQFT	29.80
0610	619 010 180	HISTORICAL MARKER	EACH	1.00
0620	619 010 200	RESET SIGNS	EACH	2.00
0630	619 010 210	RESET SIGNS-GUIDE	EACH	1.00
0640	619 010 230	REMOVE SIGN	EACH	3.00
0650	619 010 310	POSTS-STEEL U SIGN	LB	80.00
0660	619 010 340	POSTS-TUBULAR STEEL-SQ-PERF	LB	186.00
0670	619 010 480	POLES-TREATED WOOD 4 IN	LNFT	10.00
0680	622 011 043	PERM EROSION CONTROL-HIGH SURV	SQYD	442.00
0690	622 011 086	SEPARATION GEOTEXTILE - HIGH	SQYD	416.00

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SPECIAL PROVISIONS

FEDERAL AID PROJECT NO(S). STPB 8930000

(REVISED 12-17-20)

The following special provisions are hereby made part of the contract and supplement and/or supersede and sections of the Standard and Supplemental 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:

- Standard and Supplemental Specifications for Road and Bridge construction 2020 V1.3 Edition" found at the following link: https://www.mdt.mt.gov/other/webdata/external/const/specifications/2020/SPEC-BOOK/2020-SPEC-BOOK-V1-3.pdf
- The most recent version of the Detailed Drawings can be found at the following link: https://www.mdt.mt.gov/business/contracting/detailed_drawings.shtml
- The most recent version of the Materials Manual can be found at the following link: https://www.mdt.mt.gov/other/webdata/external/materials/materials_manual/MDT_MATERIALS_MANUAL_121720_LETTING.pdf

The latest version of the Standard and Supplemental Specifications, Quarterly updates, and revision summaries can be found at the following website: https://www.mdt.mt.gov/business/contracting/standard_specs.shtml

The Question and Answer Forum opens at 5:00 p.m. on the bid letting advertisement date and closes at 10:00 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. Questions raised by potential bidders on this project and answers and other information posted by the Department on the "Question and Answer Forum" can be found at the website https://www.mdt.mt.gov/business/contracting/qacurrent.shtml up to 5 p.m. on the day before the bid 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]

Replacement of the existing structure and reconstruction of approaches on the Conley Ave Bridge-Deer Lodge project located in Powell County. Work includes: grading, PMS overlay, remove and replace structure, sidewalk, fencing, bioengineered bank, drainage and riprap. The project is located on Conley Avenue within the City limits of Deer Lodge between RP 0.0 and 0.1.

2. CONTRACT TIME - COMPLETION DATE [108] (REVISED 1-21-16)

This contract is a completion date contract. The work begins on the effective date stated in the Notice to Proceed (NTP) and all work is to be completed no later than November 26, 2021. Unusually severe weather is not considered as a delay cause. The NTP will be issued with an effective date of March 22, 2021.

3. CONTRACT DOCUMENTS [102] (ADDED 9-17-20)

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/ :

- Table of Contractor's Submittals
- Traffic Control Rate Schedule
- Erosion Control Rates

4. DISADVANTAGED BUSINESS ENTERPRISES (DBE) REQUIREMENTS [102] (REVISED 1-18-18)

The DBE goal for this contract is 0.00%. Use the AASHTOWare Project Bids™ Electronic Bid System (EBS) to print the DBE submittal and timing requirements. If the contract does not have a project-specific goal, the field will display in the AASHTOWare Project Bids™ bid file as a blank field.

List the DBE commitments in the EBS file. An on-line DBE Directory is available at: https://app.mdt.mt.gov/dbe/dbe/search.

If the DBE goal cannot be met, show a good faith effort per the Good Faith Effort Criteria and supporting forms, available at: http://www.mdt.mt.gov/publications/forms.shtml. Submit the Good Faith Effort documentation within 48 hours of the bid opening.

5. DBE QUOTES [102] (REVISED 3-10-16)

The Department has a quick and easy way for you to request quotes from Montana DBE-certified companies. The information goes to the DBE companies that same day. The on-line form is located at web site: https://app.mdt.mt.gov/dbeqt/.

Call the Department DBE Supportive Services, 1-800-883-5811, for further assistance. Using this online request form will be considered for good faith efforts, but it does not constitute meeting all requirements of good faith efforts.

6. DBE USAGE [102] (REVISED 2-13-20 M)

Contract specific goals are not placed on contracts; however, the Department has an overall 6.5% DBE goal it must achieve. To assist contractors in determining their DBE commitment level, the Department has reviewed the estimates for this contract, and has established an aspirational goal of 5.3% DBE usage. Although not a contract requirement, the Department believes that the aspirational goal can realistically be achieved through race neutral measures based on current availability of DBEs and standard competitive procurement processes. While the utilization is not mandatory to be awarded the project, continuing utilization of DBE firms on contracts supports the success of Montana's DBE Program.

Any project listing a 0% DBE aspirational goal does not mean that a DBE may not be used on that project. A 0% DBE aspirational goal may have been established due to any of the following reasons:

- Limited identified subcontracting opportunities;
- Minimal contract days; and/or,
- Small contract dollar amount.

Contractors are encouraged to identify any opportunities to subcontract to DBEs.

The Department's DBE directory may be found at the following website: https://app.mdt.mt.gov/dbe/dbe/search.

7. LABOR REQUIREMENTS [102] (REVISED 9-5-19)

Pay the minimum wage rates contained elsewhere in the bid package. 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). The

local employment service office, designated by the Workforce Service Division, Department of Labor & Industry, for this project is Anaconda/Butte.

Executive Orders 13658 and 13706 do not apply to this contract.

8. CERTIFIED PAYROLL COMPLIANCE ELECTRONIC PAYROLL SUBMISSION [102] (REVISED 3-12-20)

The Contractor and all subcontractors must use AASHTOWare Project Civil Rights & Labor™ (CRL) to submit Certified Payrolls (CPRs). Ensure that all subcontractors have submitted their Vendor Access Form which can be found on the following page: https://www.mdt.mt.gov/business/contracting/prevailing-wage.shtml to the Department and have received their login IDs prior to work.

Request the contract number and project ID(s) from the Project Manager. Provide the information to all subcontractors subject to the FHWA 1273 requirements. This information is also available using the Search Awarded Contracts located at: https://app.mdt.mt.gov/project-search/project/search.

Provide assistance and ensure all subcontractors submit CPRs electronically into CRL within the required timeframe.

9. ZONE PAY [102] (REVISED 5-10-18)

Wage rates and zone pay requirements can be found elsewhere in the proposal. The mileage for determining the zone is 37 miles.

Indicate the Zone requirements for all classifications. Provide this information to the Project Manager at the Preconstruction Conference on Form MDT-CON-102_02.

10. BIDDING REQUIREMENTS – PROPOSAL GUARANTEE [102] (REVISED 12-17-20)

Subsection 102.07(C)(2), Proposal Guarantee, of the Standard Specifications is hereby rescinded and replaced with the following:

Proposal Guarantee. The bid bond is on the most current version of MDT-CTP-102-07-1; is signed and sealed in the proper places; a copy of the agent's Power of Attorney for the insurance company is attached; and contains the correct and complete project number; all signatures are original (stamped signatures are unacceptable). A qualified third-party surety agency must verify the proposal guarantee. Electronic bid bond verification must be submitted through AASHTOWare Project Bids and Bid ExpressTM . Contact Bid Express for more information on electronic bid bond verification.

If an error occurs with electronic bid bond verification through AASHTOWare Project Bids and Bid Express, submit the Electronic Bid Bond Form MDT-CTP-102-07-2 in Adobe PDF format via email to mdtcntplns@mt.gov prior to the bid opening. Hard copy or paper bid bonds submitted to the Department will not be accepted. Bids that include submission of a bid bond without electronic verification or Electronic Bid Bond Form CPB_102_07 will be deemed non-responsive.

11. DELIVERY AND PUBLIC OPENING OF PROPOSALS [102] (ADDED 9-17-20)

Subsection 102.10(A) Bid Submission by Sealed Envelope is hereby rescinded.

Submissions by sealed envelope will be deemed non-responsive.

12. 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.

13. 103.07 EXECUTION AND APPROVAL OF CONTRACT [103] (ADDED 6-13-19)

Use DocuSign to sign the contract in accordance with Subsection 103.07.

No later than 5 calendar days after the date of bid-opening (the date of bid opening to count as the first full day), the apparent low bidder must submit to Construction Contracting Bureau, during its regular work hours, a fully completed Contract Recipients Form documenting names and emails of authorized agents of the Contract and Surety to sign the contract. If the 5th day is a holiday, turn the documentation in earlier. The Contract Recipients Form is available at the following web page: https://www.mdt.mt.gov/publications/forms/contract-recipients.shtml.

The bid proposal may be considered non-responsive and rejected if the above form(s) are not submitted within the required time frame.

14. BIDDER’S PROPOSED AGGREGATE SOURCE(S) [103] (REVISED 1-24-19)

No later than 7 calendar days after the date of bid-opening (the date of bid opening to count as the first full day), the apparent low bidder must submit to Construction Contracting Bureau, during its regular work hours, a fully completed Form MDT-CON-106-02-3 for each aggregate source the bidder used to prepare its bid, or a subcontractor used to prepare its quote, if used by the bidder for its bid. (If the 7th day is a holiday, turn the documentation in earlier.)

The Bidder’s Proposed Aggregate Source form is available at the following web page: http://www.mdt.mt.gov/publications/forms.shtml#hig.

The bid proposal may be considered non-responsive and rejected if the above form(s) are not submitted within the required time frame.

15. SUBMISSION OF CERTIFIED CLAIMS [105] (ADDED 4-23-20)

This provision rescinds and replaces the first two paragraphs of Subsection 105.16.2.

If an agreeable resolution is not reached within 14 calendar days of the written notice, the Contractor may submit a Certified Claim by completing the Certified Claim form MDT-CON-105-16-2 to the Project Manager no more than 7 calendar days after receipt of the Project Manager's response. The form is available from the Project Manager or the Department's website. Include all Claim Cost Records to date with the Certified Claim. Submit electronic copies to the DCE and the CES Engineer of the Engineering Division. The Project Manager will continue to attempt to resolve the disagreement after the Certified Claim is submitted.

Detail the following, if applicable, in the Certified Claim:

A. Summary. (label page 1.1 through page 1.X) Include a detailed, factual statement of the claim for additional compensation and contract time, if any, with necessary dates and locations of work involved in the claim. Also include detailed facts supporting the Contractor's position.

B. Proof of Notice. (label page 2.1 through page 2.X) Submit notice of claim with all attachments that was furnished to the Department. Include the date when the written notice was given.

C. Supporting Documents. (label page 3.1 through page 3.X) Furnish copies of the contract specifications that support the Contractor's claim.

D. Theory of Entitlement. (label page 4.1 through page 4.X) Include a narrative of how or why the specific contract specifications support the claim.

E. Itemized Lists. (label page 5.1 through page 5.X) Provide an itemized list of claimed damages that resulted from the event with a narrative of the theories and records and documents used to arrive at the value of the damages.

F. Time Requests. (label page 6.1 through page 6.X) Provide additional contract time requests if the claim is for a combination of additional compensation and contract time. Submit a copy of the schedule that was in effect when the event occurred and a detailed narrative which explains how the event impacted contract time. In addition, if the Department-caused delay is claimed, provide the following:

1) Include the specific days and dates under claim;

2) Provide detailed facts about the specific acts or omissions of the Department that allegedly caused the delay, and the specific reasons why the resulting delay was unreasonable; and

3) Provide a schedule evaluation that accurately describes the impacts of the claimed delay.

G. Expense Records. (label page 7.1 through page 7.X) Submit copies of actual expense records. Include documents that contain the detailed records which support and total to the exact amount of additional compensation requested. Include the information and calculations necessary to support that amount. At a minimum, provide the following:

1) Direct materials.

2) Direct equipment. The rate claimed for each piece of equipment not to exceed the actual cost. For each piece of equipment, include a detailed description of the equipment and attachments, specific days and dates of use or standby, and specific hours of use or standby.

3) Direct labor; and

4) Other categories as specified by the Contractor or the Agency.

H. Supporting Records. (label page 8.1 through page 8.X) Provide additional supporting records and documents including copies of, or excerpts from the following:

1) Any documents that support the claim, such as manuals standard to the industry and used by the Contractor; and

2) Any daily reports or diaries related to the event, photographs or media that help explain the issue or event.

I. Certification. (label page 9.1 through 9.X) Provide a certified statement, signed by a representative authorized to execute change orders, by the Contractor, subcontractor, supplier, or entity originating the claim as to the validity of facts and costs

J. Lower Tier Claim. (label page 10.1 through 10.X) If the claim includes work done or costs incurred by any subcontractors, suppliers, or any entity other than the Contractor, the following are required:

1) Copies of the Contractor's, subcontractor's, supplier's and entity's (at all tiers above the level of which the claim originates) separate evaluation of entitlement.

2) Copies of the Contractor's, subcontractor's, supplier's and entity's (at all tiers above the level of which the claim originates) independent verification and evaluation of the amount of damages sought; and

3) An authorized representative to execute change orders on behalf of the Contractor, Subcontractor, Supplier and Entity (at all tiers above the level of which the claim originates).

If the Project Manager determines that additional information, records, or documentation is needed to allow proper evaluation of the claim submittal, the Project Manager will request the information, records, or documentation. Submit the requested information to the Project Manager within14 calendar days.

If the claim includes requests for delay compensation, follow all procedures in Subsection 108.07.6.

16. STEEL PRICE ADJUSTMENT [106] (REVISED 4-25-19)

A. General. The Department may apply a Steel Price Adjustment to payments for the applicable steel items of work listed in the contract as payment to the contractor or a credit to the Department. Payments will only be made for fluctuations in the cost of the steel used in the items of work listed in the contract. No adjustment will be made for changes in the cost of manufacturing, fabrication, shipping, or storage.

Payments may be positive, negative, or non-existent depending on the circumstances. Payments or deductions for the steel price adjustment will be calculated by the Project Manager. No steel price adjustments will be made for any products manufactured from steel purchased from the mill prior to the letting date.

Notify the Project Manager in writing by the Notice to Proceed date or at the pre-construction conference, whichever comes first, of intent to participate in steel price adjustment. The price adjustment will be based on a base price per pounds of steel. The base price is provided to the Department by the National Steel Bridge Alliance monthly and updated as necessary.

- The current base price per pound of steel is: $0.55.

The Department will use the Bureau of Labor and Statistics Producer Price Index (BLS PPI) “Steel Mill Products” Series ID WPU1017 not seasonally adjusted. The index used will be the final version of the index, revised 4 months after the original publication, including any corrections to the index or rebasing of the index.

B. Applicable Bid Items. The Department may apply a steel price adjustment to steel quantities in certain items. The cost of the steel within the item must be at least $5,000 to qualify for a steel price adjustment.

Nuts, bolts, rebar chairs, connecting bands, and other miscellaneous hardware items will not be included in the price adjustment. No other items will be considered for a price adjustment.

C. Steel Price Index. Furnish the following documentation for all steel bid items applicable to the steel price adjustment:

1) The weight of steel (pounds) to be incorporated into the various items of work covered by this special provision.

2) Steel Certification and Mill Test Reports.

3) The date that the steel item, subject to adjustment, was shipped from the producing mill.

Accompany the above documentation by an affidavit signed by the Contractor stating that the information provided is true and accurate. Submit all documentation, including the affidavit, to the Project Manager prior to incorporating the steel into the work. This provision in no way modifies or cancels the requirements of Subsection 106.09.

D. Steel Price Adjustment. Adjustments may be positive, negative, or non-existent depending on the difference between the Base Index (IB) and Current Index (IC). No price adjustment will be made unless the IC is 10% higher or lower than the IB.

For Increases:

Adjustment Factor (AF) = (IC/IB-1.1)
If AF is equal to or less than 0, no adjustment.
If AF is greater than 0.0, continue
Price Adjustment = AF x quantity x base price

For Decreases:

Adjustment Factor (AF) = (IC/IB-0.9)
If AF is equal to or greater than 0, no adjustment.
If AF is less than 0.0, continue
Price Adjustment = AF x quantity x base price

Where:
IB = BLS PPI for month contract was let
IC = BLS PPI for month material was purchased from the mill (invoice date)

17. TELECOMMUNICATION OR VIDEO SURVEILLANCE EQUIPMENT, SERVICES, OR SYSTEMS [107] (ADDED 10-08-20)

2 CFR 200.216 has been added to the Code of Federal Regulations and became effective August 13, 2020. Ensure any telecommunications or video surveillance equipment, services, or systems used or installed on Federal-Aid Projects comply with 2 CFR 200.216.

18. NOISE IMPACT [107] (REVISED 5-24-12)

To minimize construction noise impacts on the local residents, no construction activities will be allowed between the hours of 10 p.m. and 6 a.m. without express written approval from the Project Manager.

19. STORM WATER PERMITTING REQUIREMENTS UNDER THE MONTANA POLLUTANT DISCHARGE ELIMINATION SYSTEM (MPDES) [107] (REV 3-16-17)

A. Description. The Montana Department of Environmental Quality (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 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 Notice of Intent (NOI) package includes a Notice of Intent, with a topographic map, a Storm Water Pollution Prevention Plan (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 for Storm Water Discharges Associated with Construction Activity and implement the SWPPP. Provide two copies 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) 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 storm water construction 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 a 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.

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 for Storm Water Discharges Associated with Construction Activity. Use DEQ's most current self-inspection form available online at: http://deq.mt.gov/Water/WPB/mpdes/stormwaterconstruction. Provide a copy of all inspection reports to the Project Manager.

Report potential noncompliance in accordance with applicable regulations, guidance, and permit conditions. Submit to the Project Manager within seven 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 Storm Water 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. The Department may require that certain Best Management Practices (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, submit a signed copy of the Permit Transfer Notification Form provided by the Department. When submitting the General Storm Water Permit transfer package/application to the Department, include a check for the permit transfer fee. Make the check for the amount of the fee payable to the DEQ. The Department is not liable for the completeness or accuracy of Contractor records completed prior to the permit transfer. Upon receipt of the signed form, the Department will obtain signature of the new permit owner and submit to DEQ. Ensure permit conditions and responsibilities are met until confirmation of the transfer is received from DEQ. Defend and hold MDT 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 for Storm Water Discharges Associated with Construction Activity authorization.

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 a 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 Storm Water Discharges Associated with Construction Activity 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 for Storm Water Discharges

Associated with Construction Activity. 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 208-1 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.

20. STREAM PROTECTION ACT 124 [107] [208]

A. Description. The proposed project has been authorized by Preconstruction Stream Protection Act (SPA) 124 No.: MDT-R2-25-2020, 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
14+67	Clark Fork River

B. General Conditions

1) Meet the specifications listed in Subsection 208.03.3.

2) Install and maintain Best Management Practices and temporary erosion control measures where appropriate to protect the waterbodies and adjacent areas listed in the table above. Conduct all work in a manner that minimizes turbidity and other disturbance to these areas.

3) All surface applied erosion control materials used in or adjacent to the waterbodies listed in the table above must comply with Subsection 713.12 and be comprised of natural fiber and biodegradable material to ensure decomposition. This condition also applies to mesh materials used for wattles, rolled materials, and bank wraps placed within the bed and banks of the waterbodies listed in the table above.

4) Limit the clearing of vegetation to only what is necessary for the construction of the project within riparian areas. Restore temporary access routes and any temporarily disturbed areas to original conditions, including original contours and vegetation reclamation.

5) Remove existing piers/footings or other substructure located within the ordinary high water mark to at least 3 feet (915 mm) below the existing thalweg (lowest channel bottom elevation) of the stream, or completely. Remove existing piers/footings or other substructure located outside the ordinary high water mark to at least to 3 feet (915 mm) below the finished grade or existing ground surface elevation, whichever is lower or according to plans. Shape and contour disturbed areas to blend with the surrounding terrain or as shown on plans.

6) Obtain a temporary facility SPA 124 Permit/Authorization. This Preconstruction SPA 124 Permit/Authorization does not cover the construction of temporary facilities such as work/detour bridges, work pads, cofferdams, temporary detours, diversions, etc. This authorization does not include removal and disposal of the existing structure, access to and from authorized locations, sequencing and construction methodology to construct authorized features, or any other unauthorized impacts affecting permitted drainages. These items, and any other items not covered here but potentially affecting a stream/river or its channel(s), need to be permitted separately by the Contractor.

C. Special Conditions

1) Complete instream work between June 15 and October 15. Removal of temporary work/detour bridge piles is allowed for up to 2 days maximum after October 15. Pile

removal shall be completed by direct pull or equivalent extraction methods rather than excavation to meet environmental permit requirements to minimize in-stream turbidity occurrence. Instream equipment operation and excavation is prohibited after October 15.

2) Complete all impact pile driving for the construction of temporary and permanent facilities between July 1 and September 30. This includes dry land and in-water impact pile driving.

3) 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.

4) Obtain a Short-Term Water Quality Standard for Turbidity (318 Authorization) from DEQ.

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

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

21. 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 14 Description. The permanent features of this project are authorized under US Army Corps of Engineers Nationwide Permit 14 – Linear Transportation Projects, (Army Corps File Number NWO-2015-02374).

1) The permit for this project authorizes the following permanent features within waters of the US.

a) Bridge replacement at Clark Fork River. (Approx. Station 14+46) Section 4, Township 7N, and Range 9W. Latitude 46.3906° N, Longitude 112.7371° W.

b) Wetland Impacts:

Wetland	Approximate Project Station	Proposed Action	Township, Range, Section	Latitude	Longitude
WL-1a	13+93 to 14+80	Riprap	T7N, R9W, Section 4	46.3903° N	112.7374° W
WL-1b	13+19 to 14+02	Riprap	T7N, R9W, Section 4	46.3908° N	112.7376° W
WL-1c	14+29 to 15+09	No Action proposed	T7N, R9W, Section 4	46.3908° N	112.7371° W
WL-1d	14+96 to 15+80	No Action proposed	T7N, R9W, Section 4	46.3905° N	112.7369° W
WL-2a	14+63 to 15+39	Trail grade/fill	T7N, R9W, Section 4	46.3909° N	112.7370° W
WL-2b	14+99 to 15+15	No Action proposed	T7N, R9W, Section 4	46.3907° N	112.7370° W

2) This authorization is valid until March 18, 2022.

3) Obtain the Nationwide Permit 14 Fact Sheet that fully describes the Nationwide Permit 14 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 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) Includes features that extend out from the existing bank line greater than 25% of the bankfull channel width;

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

d) 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,

e) 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 18, 2022.

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 2017 Nationwide Permits Regional Conditions, Omaha District, State of Montana, Effective March 19, 2017, 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 Permits 14 and 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 March 6, 2017. Adhere to those general and special conditions.

2) Adhere to the notification requirement of the DEQ 401 Certification Special Conditions. Notify the DEQ Water Protection Bureau – Discharge Permitting Program within 48 hours of commencement of the regulated activity. Send notification to DEQWPBPublicComments@mt.gov . Provide confirmation of this notification to the Project Manager. Notification shall include at minimum the following information:

a) Statement that the notification is being submitted for an MDT Project

b) MDT Project Name

c) Statement that the work is being conducted under a CWA Nationwide Permit 14

d) The legal description(s) of the permitted activities included in Section B above

e) The decimal latitude(s) and longitude(s) to the millionth degree (six significant figures to the right of the decimal point) for the permitted activities, which are provided in Section B above

F. Copies of the 2017 Nationwide Permit Fact Sheets for Nationwide Permits 14 and 33, the 2017 Nationwide Permit Regional Conditions for the State of Montana, and DEQ's 401 Water Quality Certification requirements for the 2017 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.

22. PREQUALIFIED STREAM RESTORATION CONTRACTORS

A. Description. This project requires the use of a Prequalified Stream Restoration Contractor to complete the bioengineered bank work and assist in the riprap installation and portions of the riverbank revegetation work as shown in the plans and described elsewhere in the bid documents.

B. Requirements: Hire a Stream Restoration Contractor as a sub-contractor to the Prime to complete the work described above associated with the Conley Ave bridge replacement over the Clark Fork River.

1) A list of pre-qualified stream restoration contractors is located at the following website: http://www.mdt.mt.gov/business/contracting/prequalified.shtml

2) Contractors not currently pre-qualified by the Department to perform stream restoration work can obtain pre-qualification information from the Construction Engineering Services Bureau, (406) 444-6015, 2701 Prospect Ave., Helena, Montana. A complete Statement of Qualifications (SOQ) must be received a minimum of 14 calendar days prior to the bid opening as specified in the Invitation for Bids.

3) Adjustments may be necessary to minimize disturbance to existing vegetation or other river features and to field-fit the design. Ensure all adjustments are approved by PM prior to execution of the work. The PM will coordinate the proposed changes with the MDT District Biologist and other MDT staff prior to approval.

C. Measurement and Payment. Include all costs associated with using a prequalified Stream Restoration Contractor in the Stream Restoration Specialist Lump Sum Bid Item.

23. INCREASE IN TURBIDITY [107] (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.

24. MONTANA FLOODPLAIN AND FLOODWAY MANAGEMENT ACT [107] (REVISED 3-10-16)

This contract is located within the regulated floodplain of the Clark Fork River, City of Deer Lodge, Community Panel Number 300060001B. The Department has obtained a preconstruction floodplain permit from the City of Deer Lodge, 300 Main Street, Deer Lodge, MT 59722, (406)-846-2238 for the permanent features associated with this contract. A copy of this floodplain permit is available upon request from the Project Manager.

This floodplain permit does not cover the construction of temporary facilities such as work bridges, work pads, cofferdams, temporary detours, diversions, etc. This permit does not include access to and from authorized locations, sequencing, or construction methodology required to construct authorized features, or other impacts to areas outside of the planned construction footprint.

25. MIGRATORY BIRD TREATY ACT COMPLIANCE - STRUCTURES [107] (REVISED 12-8-16)

Description. Migratory birds may nest on the structures affected by this project.

Construction Requirements. Use one or a combination of the following measures for structure removal or work that may directly impact active nests:

1) It is permissible to remove non-active nests (without birds or eggs), partially completed nests or new nests as they are built (prior to occupation).

2) Conduct work that may impact active nests outside of the nesting season, typically between the dates of August 16 and April 15, or when no active nests are present, or;

3) Install nesting deterrents meeting the requirements below prior to the nesting season as follows:

a) Cover or enclose all potential nesting surfaces on the structure with mesh netting or other suitable material to prevent birds from establishing new nests. Use netting or other material with no opening or mesh size greater than ½-inch. Maintain the material/enclosure until the structure is removed or work is completed, or;

b) Apply a non-toxic, non-lethal, bird roosting or landing repellent gel or liquid (do not use smell or taste deterrents) on all potential nesting surfaces on the structure in accordance with the manufacturer's instructions. Reapply the repellant as needed to maintain adequate coverage to prevent new nests from being established, or;

c) Prepare a description of alternate methods of effectively keeping birds from establishing nests during the nesting season, and submit them along with proposed installation dates and methods to the Project Manager for review.

Method of Measurement and Basis of Payment. Work described in this provision is not measured for payment. Consider all costs associated with this provision incidental to performance of the work. Include the cost in the cost of other items.

26. MIGRATORY BIRD TREATY ACT COMPLIANCE -VEGETATION REMOVAL [107] (ADDED 9-26-13)

Description. Suitable nesting habitat (trees and shrubs) exists for migratory birds within the construction limits.

Construction Requirements. Perform any required cutting of trees or shrubs between August 16th and April 15th. Remove only those trees and shrubs in direct conflict with the permanent construction limits. Where possible, do not remove, but trim trees and shrubs as necessary for equipment access and construction activities.

Method of Measurement and Basis of Payment. Work described in this provision is not measured for payment. Consider all costs associated with this provision incidental to performance of the work. Include the cost in the cost of other items.

27. ENVIRONMENTAL MITIGATION AND COORDINATION MEASURES FOR BULL TROUT

A. Description. Bull trout, a threatened species protected under the Endangered Species Act, are documented to use the Clark Fork River in the vicinity of this project for foraging, overwintering and migration. Contact the Project Manager for coordination with the District Biologist if you have any questions regarding this authorization.

B. Construction Requirements.

1) Monitor all dewatering activities visually to ensure bull trout are not trapped. In the unlikely event a live bull trout is found within a dewatering area, immediately return it to the river.

2) Perform impact pile driving for temporary and permanent facilities between July 1 and September 30. Complete instream (from top of bank to top of bank) work during low flow conditions between June 15 and October 15. The removal of temporary piling by pulling may occur between June 15 and November 15.

3) No construction equipment is allowed to operate within the active channel unless permitted to do so.

4) Removal of the instream concrete pier foundation components require the use coffer dams or other barriers to isolate flow from work area. Materials excavated from inside any coffer dams shall not enter any waterbody, and if so, will be removed.

5) Upon locating dead or injured bull trout, notify the MDT Project Manager and contact the USFWS Field Office at (406) 449-5225 within 24 hours. Record information relative to the date, time, and location of dead or injured bull trout when/if found. Include any activities that were occurring at the location and time of injury and/or death of each fish and provide this information to the USFWS.

6) Conduct project-related activities outside of construction limits in a manner which will not adversely affect species and/or designated critical habitat listed under the Endangered Species Act.

28. WATERWAY PASSAGE AND SIGNING

A. General. Provide and sign at all times during the bridge work a passable waterway channel for waterway users. When a clear and present risk to public safety is anticipated, follow the temporary river closure process of notification and signing.

B. Construction Requirements

1) Construct falsework and work bridges to provide a clear waterway opening of a minimum 40 ft-wide perpendicular to the flow or as directed by the Project Manager. The low-beam should match the existing elevation of 4523.00 or greater to maintain the existing clearance. Review the site with the Project Manager and Fish, Wildlife and Parks (FWP) contact to determine the best placement(s) of the opening considering channel depth and current. The minimum specified waterway opening must be provided through all instream structures including but not limited to the falsework, work bridges, existing, and new structures in combination with each other. Establish the vertical clearance using hydrological data for the month having the highest flows that the falsework will be in place. Monitor the clearance daily and immediately remove the structure over the waterway opening if rising water reduces the vertical clearance to less than 6-feet. Provide a 24-hour contact phone number for the person monitoring the river in case of an emergency.

2) If using a barge, submit a work barge plan to the Project Manager for approval prior to beginning barge work. Detail in the plan the barge mooring, barge dimensions, operations to be performed from the barge, and the period of use including the estimated

calendar dates. Do not permit the barge or its moorings to encroach into the waterway channel marked by the buoys as described in this provision.

3) If blasting to remove the existing substructures, submit a river access closure plan meeting the following requirements:

a) Develop the river closure plan in cooperation with the Project Manager, FWP Contact, the Blasting Consultant, and US Army Corps of Engineers Montana Program Manager (406) 441-1376. Obtain approval of signing and the river closure plan 14 calendar days before blasting/demolition operations.

b) Close the Clark Fork River in the vicinity of the existing structure to all access before daily blasting/demolition activities commence.

c) Warn the public in advance of temporary river closures by means such as radio/TV announcements, articles in local and state newspapers, and via the internet.

d) Install signs and other traffic control devices on the Clark Fork River upstream of the closure, and at the fishing access sites specified in this provision.

4) Notify FWP at least 48 hours prior to commencing any work which creates a clear and present risk to the safety of floaters traveling through the work site or users of the adjacent trail in order to activate the temporary river closure process. Include in the notification the activity necessitating the closure, the risk to safety of the floating public, specific dates, times and anticipated duration of closure required.

a) FWP Contact Information: Christine Oschell
River Recreation Manager
Montana Fish, Wildlife & Parks
3201 Spurgin Road
Missoula, MT 59825
Ph: (406) 542-5562

b) If Christine Oschell is unavailable, contact: Caleb Uerling
Fisheries Biologist - Upper Clark Fork
Ph: (406) 493-2694

Patrick Saffel
R2 Fisheries Manager
(406) 542-5507

5) Notify the following entities of temporary river or adjacent trail closures at least 48 hours in advance of the temporary closure:

a) Arrowstone Park Board
Andy Fischer
830 Missouri Ave.
Deer Lodge, MT 59722
406.542.0539
andy@clarkfork.org

b) Powell County
Dan Sager
406-846-9786
dsager@powellcountymt.gov

c) City of Deer Lodge
Brian Bender
406-846-2238
bbender@cityofdeerlodgemt.gov

d) The Montana Board of Outfitters
301 S. Park, Room 428, Helena, MT 59620, (406) 841-2370
dlibsdout@mt.gov

e) Fishing Outfitters Association of Montana (FOAM)
PO Box 67, Gallatin Gateway, MT 59730, (406) 684-5564
foam@gmail.com

f) Montana Outfitters and Guides Association (MOGA)
PO Box 1248, Helena, MT 59624, (406) 449-3578
moga@mt.net

6) Contact FWP immediately upon completion of this work to lift the temporary river closure.

7) The maximum time allowed for each instance of work requiring temporary river closure is 48 hours. Expedite this work to minimize the temporary river closure period necessary.

C. Signing. Sign the waterway for the bridge work as follows:

1) Install “6 FOOT MAXIMUM CLEARANCE AT CLARK FORK RIVER – CONLEY AVENUE BRIDGE” signs at locations approved by the FWP Contact and the Project Manager at the following waterway access sites:

Sign Locations			
Site(s)	Controlling Entity	Town	Phone
Arrowstone Park Trailhead #1 (0.5-mile Upstream)	Powell County Parks Board	Deer Lodge	406-542-0539
Arrowstone Park Trailhead #2 (1-mile Upstream)	Powell County Parks Board	Deer Lodge	406-542-0539
Sager Lane	Powell County	NA	406-846-9786
KOA campground off of Milwaukee Ave	KOA Campground	Deer Lodge	406-846-1629
Grant Kohrs Ranch	National Park Service	Deer Lodge	406-846-2070

2) Install 5 ½ ft x 3 ft “HAZARD: INSTREAM CONSTRUCTION AHEAD” static signs on both banks above the high-water level 500 feet downstream of the structure.

3) Install signs and other traffic control devices on the Clark Fork River as follows:

a) Install 5 ½ ft x 3 ft "NAVIGATION RESTRICTION AHEAD" signs on both banks at approximately 500 feet and 1500 feet upstream of the structure. Attach two Type C Steady burn lights to the top corners of each sign. Place the signs at a point above the high-water level, or as directed by the Project Manager, facing oncoming waterway users. See Section II of this contract for sign design.

b) Channel Marker Buoys. Furnish and install hanging can or anchor buoys to delineate a channel to the falsework opening. Use buoys having the hazard-warning symbol with the "HAZARD AREA" message.

Space the buoys on 25 ft centers starting from the falsework and/or bridge to at least 100 feet upstream and downstream, measured perpendicular to the upstream structure face.

Follow the buoy manufacturer's installation recommendations. Consult with the Project Manager and determine a mutually agreeable date for removing and installing buoys due to river icing. Use buoys and channel markers following the U.S. Aids to Navigation (ATON) system. Contact the U.S. Coast Guard District Aids to Navigation office at (206) 220–7270.

c) Hanging Can Buoys. Use an aerial cable to suspend the hanging can buoys approximately two feet from the water's surface. Flare the cables out from both sides of the falsework/bridge opening to both shorelines.

d) Surface Buoys. Lay and anchor the cables to the river/stream bottom for attaching the buoy mooring lines. Ensure the anchor cable is ballasted to prevent it from rising from the river/stream bottom. Flare the cable out from both sides of the falsework/bridge opening to both shorelines.

e) Falsework and Bridge Opening Lighting. Install Type C Steady burn lights, spaced on maximum 3 ft centers, on the top and sides of the false work opening or bridge opening to be used by waterway users.

f) During temporary river closure periods, cover or replace “NAVIGATION RESTRICTION AHEAD” signs with the same size and type signs in the same location reading “RIVER CLOSED AHEAD”.

g) During temporary river closure periods, cover or replace “6 FOOT MAXIMUM CLEARANCE AT CLARK FORK RIVER – CONLEY AVENUE BRIDGE” signs with the same size and type signs in the same location reading “RIVER CLOSED AHEAD”.

D. Basis of Payment. Include all costs of materials, handling, tools, equipment and labor necessary to accomplish this work under Miscellaneous Items – Lump Sum.

29. AIS WATERCRAFT AND EQUIPMENT INSPECTION [107] (ADDED 4-25-19)

Description. State laws, regulations, and rules are in effect in Montana to prevent the spread of AIS. The following website includes information to aid in the prevention of AIS: http://cleandraindry.mt.gov/.

Requirements. Contact Montana Fish, Wildlife & Parks (FWP) at least 2 weeks prior to operating equipment in or working within an aquatic resource. FWP may require additional inspection or action for aquatic invasive species (AIS) prior to equipment use in any aquatic resource in the State of Montana.

FWP Contact Information		
Fisheries Front Desk:	(406) 444-2449	
Watercraft Inspection Program Coordinator:	(406) 444-5383 – Office	(406) 546-3847 - Cell
Watercraft Inspection Specialist:	(406) 444-5540 – Office	(406) 465-6705 - Cell

1) Ensure all watercraft vessels and equipment that enters Montana from out of state, crosses the continental divide, or enters the Flathead basin is inspected by FWP prior to launch in an aquatic resource in the State of Montana.

2) Clean, drain, dry all watercraft and equipment according to FWP guidelines after exiting any aquatic resource and prior to launch into or use in another aquatic resource.

Method of Measurement and Basis of Payment. Work described in this provision is not measured for payment. Consider all costs associated with this provision incidental to performance of the work. Include the cost in the cost of other items.

30. PUBLIC INVOLVEMENT [107] (REVISED 4-25-19)

A. The Department may provide public relations or may hire a public involvement (PI) firm to develop and administer a communication plan. Coordinate activities with the PI firm

or Department. The name and contact information for the PI firm will be available from the Project Manager following award of the contract.

Attend all public meetings held by the PI firm or Department. Public meetings may be held up to once per week. Provide a brief description of current operations, an anticipated schedule of work for the upcoming week, description of current detours, delays, closures, and possible effects on residents and businesses, such as temporary loss of access and construction traffic.

1) Coordinate with the PI firm or Department to develop a written summary of the intended operations at least 10 calendar days prior to the start of construction or any disruption of traffic.

2) Upon approval of a traffic control plan and at least 10 calendar days prior to beginning construction and disrupting traffic, coordinate with the PI firm or Department to provide appropriate information to the media. This information must specify at a minimum the impact of the construction on the public, duration, sequence of the work, and project overview.

B. Contractor Requirements – During Construction. For the purposes of this special provision, the period “during construction” is defined as the time beginning at the point when normal traffic operations are first disrupted and ending when all work is complete. During this period, perform the following tasks;

1) If requested, install signs on the project denoting the portable radio station information and Contractor phone number for problems and complaints regarding the project. Maintain these signs until the resumption of normal traffic operations. Install signs at locations approved by the Project Manager. Signs will be paid for in accordance with the Traffic Control Rate Schedule if required.

2) Coordinate with the PI firm or Department so they can contact and inform individual businesses and residents at least 3 calendar days prior to conducting operations at locations that may affect their access or convenience.

3) Provide contact information.

a) Provide a 24-hour contact number to the Project Manager for emergency use.

b) Provide a Contractor staffed local telephone number with live personnel available to answer the phone during working hours, for public comments, questions, or complaints. Ensure the telephone has been connected and in service before any work is commenced that has the potential for inconveniencing any residence or business establishment adjacent to the project. Make the phone number available to the public by furnishing it to the PI firm or Department for news/information releases and including it in the traffic advisory constant loop on the Department’s portable radio station, if available. Do not use answering machines during working hours; answering machines are acceptable after working hours, with all messages answered by completion of the next workday. Maintain a written log of calls that identifies the caller; the nature of the comment, question, or complaint; and disposition. Make the log available to the Project Manager upon request.

c) Act within 24 hours to resolve complaints about safety and convenience. Refer changes in project design, traffic control, or extra work to the Project Manager for approval before acting.

4) The PI firm or the Department will update the media. Coordinate with the PI firm or Department so they can provide regular, at least once per month, project status reports and future impacts to the travelling public, landowners, and businesses. Make updates and traffic advisories available to them as well to facilitate positive news coverage. The goal is to garner news coverage of the project any time major changes or milestones occur.

Coordinate with the PI firm or Department so they can provide project advisories in the form of radio spots, if requested.

Ensure advisories include the Contractor provided contact number for the public to call for additional information. Coordinate with the PI firm or Department to update the advisories

after every weekly progress meeting; or more often if conditions change substantially, such as significant unanticipated schedule changes and changes in detour routes as applicable.

C. Method of Measurement and Basis of Payment. Public Relations and coordination with the PI firm is not measured separately for payment.

This provision does not alter or cancel any other contract provision such as, but not limited to, control of the work, legal relations and responsibility to property owners, and measurement and payment.

31. LOCATION WITHIN A SUPERFUND SITE

The Contractor is notified that the project is located within the Clark Fork River Operable Unit (CFR OU), part of the Milltown Reservoir/Clark Fork River Superfund site. The CFR OU includes the Clark Fork River from its headwaters near Warm Springs Creek to Milltown Reservoir, just east of Missoula. The primary sources of contamination are mine process tailings mixed with soil in the streambanks and floodplain deposits. Notify the EPM and MDT Environmental Specialist Joe Radonich at 406-444-9204 if contaminated material is encountered or suspected.

32. COORDINATION WITH THE CITY OF DEER LODGE

Coordinate work activities with the City of Deer Lodge. Contact Brian Bender or Trent Freeman at 406-846-2238 to coordinate work activities a minimum of ten days prior to starting work. The City of Deer Lodge will provide all labor, material, and equipment needed to complete the following:

- Water valve box adjustment at Sta 16+65.7 RT, 16+68.0 RT, 17+92.7 RT
- Manhole height adjustment at Sta 15+88.7 LT

33. VIBRATION MONITORING [107]

A. Description. This work is retaining a Vibration Monitoring Consultant to monitor vibrations induced during construction activities such as: pile driving, vibratory compaction, and demolition. This includes pre- and post-construction surveys of nearby structures, Specifically to include all buildings within a 300-foot radius, and appurtenances identified by the Vibration Monitoring Consultant as potentially vulnerable to vibration induced damage from applicable construction activities.

B. Pre-Construction and Post-Construction Surveys.

1) Pre-Construction Condition Survey. Have the Vibration Monitoring Consultant arrange for a pre-construction survey of any nearby buildings, structures, utilities, or other appurtenances that may potentially be at risk of vibration induced damage. Use a survey method acceptable to the Contractor's insurance company. Submit copies of all pre-construction survey records to the Project Manager for review before applicable construction operations begin. Notify occupants/owners of local buildings, structures, utilities, or other appurtenances a minimum of 48 hours prior to the start of applicable construction operations.

2) Post-Construction Condition Survey. Perform a post-construction survey of the items in the pre-construction survey with 72 hours of the completion of applicable construction operations. Use a survey method acceptable to the Contractor's insurance company. The Contractor is responsible for any damage as described in Subsection 107.15. Submit copies of all post-construction survey records to the Project Manager for review. Notify the Project Manager of any damage or annoyance claims from occupants/owners of local buildings, structures, utilities, or other appurtenances within 2 hours of the complaint.

C. Construction.

1) Have the Vibration Monitoring Consultant establish a vibration control and monitoring program. Submit the vibration control and monitoring program to the Project Manager for review a minimum of 10 working days before the start of construction operations.

2) Monitor vibrations using an approved seismograph(s) located, as approved, between the work area and the closest structure subject to damage whenever vibration damage to adjacent structures is possible. Use a seismograph(s) capable of recording peak particle velocity for three mutually perpendicular components of vibration in the ranges typical for the construction activity being performed.

3) Do not allow peak particle velocity of each component to exceed the safe limits of the nearest structure subject to vibration damage. Have the Vibration Monitoring Consultant analyze the seismograph records to ensure that the seismograph data is effectively utilized in the control of the construction operations with respect to the existing structures.

4) Provide the data recorded for the construction activity performed to the Project Manager prior to performing sustained periods of the activity. For pile driving activities provide the data from the first pile driven at each bent prior to driving additional piles. Recorded data must include the following:

a) Identification of instrument used.

b) Name of qualified observer and interpreter.

c) Distance and direction of recording station from activity area.

d) Type of ground at recording station and material on which the instrument is sitting.

e) Maximum peak particle velocity in each component.

f) A dated and signed copy of photographic records of seismograph readings.

g) Table 1 below gives suggested conservative limits for maximum peak particle velocity.

TABLE 1

Structure Type	Maximum Peak Particle Velocity, Inches per Second	Minimum Vibration Frequency, Hertz
Standard Construction: Timber Frame, Brick, and Concrete Buildings	2	30
Reinforced Concrete Structures	2	30
Steel Structures	2	30
Buried Utilities	2	30
Wells, Springs, and Aquifers	2	30
Green Concrete (less than 7 days)	1	18

h) Older deteriorated structures, utilities, or structures housing sensitive equipment, may require lower peak particle velocity limits than given in Table 1. Additionally, buried pipelines, fiber optic cables, or other appurtenances owned by private utility companies or structures owned by other agencies may be subject to lower limiting values imposed by the owner. It is the responsibility of the Vibration Monitoring Consultant to identify safe limits for the project and nearby structures and reduce the maximum peak particle velocities in Table 1 if necessary.

5) The Vibration Monitoring Consultant is responsible for all necessary materials and equipment utilized in the performance of this work.

6) The Vibration Monitoring Consultant must be available and perform the required evaluation, monitoring, and record keeping as described above and as directed by the Project Manager.

D. Method of Measurement. Vibration Monitoring Consultant is measured as Lump Sum.

E. Basis of Payment. Include all costs associated with retaining a consultant, monitoring, providing materials, documenting, and any necessary modification to construction methods required to complete this task in the lump sum price for Site Monitoring.

34. STATUS OF UTILITIES [108] (ADDED 1-1-03)

Utility relocation work is not complete and will not be complete as of the letting date and contract award date. Project work must be coordinated with the utility company relocation activities until the utility relocation work is complete. Under no circumstances will a delay in relocating utility facilities be considered as justification for additional compensation.

Should unforeseen conditions arise which substantially delay the utility relocation work, and the delay results directly in a delay to the project work, make a written request to the department for a time extension, see Subsection 108.07.4.

At station 16+42.65, where the storm drain crosses Conley Road, the contractor will need to dig back along the phone line to acquire the needed slack to install the storm drain under it. The phone line will need to be supported during installation.

35. SUBCONTRACTING CONSULTANTS [108] (REVISED 2-27-14 M)

The following consultants performed work on the project.

- Great West Engineering
- SK Geotechnical

36. 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.

37. TEMPORARY SHORING

A. Description. Provide temporary sheet piling or other temporary retaining systems to facilitate construction of the following: foundations, Bent No. 1 and Bent No. 2, miscellaneous embankments, channel work, bank protection/riprap, temporary roadways and bridges, bridge construction, and to remove existing bridge, maintain traffic, and incidentals as required.

Submit four copies of an embankment protection and support proposal to the Project Manager for approval before the work begins. Include in the proposal drawings and details showing the shoring system and layout, and two copies of design calculations, all stamped and signed by a Professional Engineer licensed to practice in Montana. Proceed with the temporary shoring protection measures only after Project Manager approval of the submittal. Allow 20 working days for approval of the submittal.

B. Construction Requirements. Install temporary sheet piling or other retaining systems as necessary to construct bridge elements, culverts, channel and to remove existing bridge, and accomplish construction.

C. Basis of Payment. Include all cost associated with providing, designing, installing, maintenance and removal of temporary shoring, temporary sheet piling or other temporary retaining system in the Lump Sum bid for Temporary Shoring

38. RUBBLE SUBEXCAVATION

A. Description. This work includes subexcavation of brick rubble from about Station 13+35 to Station 13+82.06 (Bent 1). Excavate full roadway width to elevation 4515.5 or as directed by the Project Manager. Excavate parallel to finished grade daylighting to the left and right slopes. Slope the ends of the subexcavation no steeper than 6H:1V. Dispose of the

excavated material to the satisfaction of the Project Manager. Place special borrow at the locations shown in the plans, cross sections, or as directed by the Project Manager.

B. Materials. Provide bridge end backfill type 3 for subexcavation replacement. Provide stabilization geotextile that meets the requirements of Subsection 716.03.

C. Construction. Place stabilization geotextile over the bottom and sides of the subexcavation in conformance with subsection 622.03. Extend the geotextile up the side walls of the subexcavation for the full height of the subgrade soils.

Place the initial lift of special borrow over the geotextile in general accordance with Subsection 622.03.2 with the initial lift being 24 inches in thickness. Place and compact subsequent lifts of special borrow in accordance with Section 203.

Repair any geotextile damaged during construction in accordance with Subsection 622.03.2

D. Method of Measurement. Cubic Yards

E. Basis of Payment. Unclassified Excavation per Cubic Yard

39. EXPLORATORY EXCAVATION

A. Description. Perform exploratory excavation using soft excavation methods such as vacuum truck or hand digging in areas where there are potential location conflicts between existing utilities and proposed construction beneath grade. This includes the existing water line near the riprap installation limits and all proposed storm drain installation including the proposed storm drain trunk line, storm drain laterals, and appurtenances. Refer to the initial vacuum excavation and survey services report at the following link: Vacuum Excavation

B. Construction. Numerous utility crossings and conflicts are noted in the road and storm drain details. Some crossings include minimal clearance between existing and proposed new facilities, although not specifically identified as utility conflicts, consider these locations to be potential conflicts. Perform exploratory excavations at all potential conflict locations (crossings and adjacent installations) as indicated on the plans and / or as marked by the utility owners. Verify the precise horizontal and vertical location of the existing utilities and provide that information to the Project Manager. Advise the Project Manager of potential conflicts between existing utilities and proposed construction. Complete all exploratory excavation, verification of horizontal and vertical locations, and coordination with the Project Manager prior to beginning any construction of the new features (storm drain system) such that any necessary design adjustment can be accommodated prior to construction. Complete backfill and temporary surfacing (if applicable) as directed by the Project Manager.

C. Measurement and Payment. Exploratory excavation will be measured by the hour and paid as Exploratory Excavation. Payment will be full compensation for all labor tools, equipment, and all resources necessary to complete this item of work under the contract.

40. LONGITUDINAL JOINT COMPACTION [401] (REVISED 10-10-19)

Construct all longitudinal joints of new plant mix with either a notched wedge joint or taper the joint edges at a 4H:1V to 6H:1V slope. Confined joints created when paving against a vertically milled surface are excluded from the requirements of this provision.

If using a notched wedge, ensure the notched wedge joint has a vertical edge of at least the maximum aggregate size and no more than ½ of the compacted lift thickness and then taper down on a slope not steeper than 4H:1V. Uniformly compact the sloped portion of the plant mix notched wedge joint. Use a device attached to the screed for shaping and compaction. Submit information on the device used to the Project Manager.

When placing the second pass (hot lane), overlap the paver screed 1.0 ± 0.5 inches onto the cold plant mix. Do not “bump back” or rake the overlapped material.

Complete compaction rolling in accordance with Subsection 401.03.21. Compact the joint area to at least 91.0% of target maximum specific gravity as determined in accordance with MT 328 with the following exceptions:

- 90.0% - ⅜-inch (9.5 mm) mixes with plan depths of less than 0.12-foot (36 mm).

The joint density is determined from cores taken at randomly selected locations after all rolling is complete and before the roadway is open to traffic, based on the length of joint constructed. The joint area is defined as the tapered area at the overlap of the hot and cold lanes. Furnish the Department with a 4-inch or 6-inch core of the compacted joint for every 4000 feet of joint constructed, and at least 3 per project, at locations directed by the Project Manager. Center the core within the tapered area to include both the hot lane and cold lane. Mark the core as directed. Patch the core holes in accordance with Subsection 401.03.21.

Density acceptance by cores for longitudinal joints does not apply to leveling or isolation lifts that have a depth of less than 0.10-foot (30 mm) thick, or first lifts of plant mix surfacing placed directly over crushed aggregate courses.

Separate the plant mix lift to be tested from the total core. Cut the core to the actual lift thickness within ± 0.15-inch (4 mm). The Department recommends using a saw to separate the lift to be tested from the total core. Perform this work within the project limits or other approved location.

The Inspector will witness all of the above activities before traffic is permitted to use the plant mix lift being tested.

Furnish the core immediately to the Inspector after it is removed, marked and separated. Do not remove the cores from the Inspector's visual control at any time. Re-core as directed any time either the Contractor requirements or procedures within this section are not met. The test results of the replacement core to be used in the QA evaluation for the lot represented will be the actual relative in-place density unless it exceeds:

- 90%; then 90% will be used for the relative in-place density of that core in the QA evaluation.
- 89% for ⅜-inch (9.5mm) mixes with plan depths of less than 0.12 foot (36 mm); then 89% will be used for the relative in-place density of that core in the QA evaluation.

MT 328 is used to establish the target Rice density. The bulk specific gravity (AASHTO T 166) determined for each core will be divided by the target Rice density in effect at the time the hot lane mix was produced to determine the relative in-place density. In the event the rolling Rice density differs by 0.5 lbs/ft^3 between the hot and cold lanes, the Rice densities for that location will be averaged. All results will be reported to the tenth of one percent (0.1%).

The approximate joint quantity represented by each sub-lot is 4000 feet. Additional locations and tests may be required. The quantity represented by 5 tests or approximately 20,000 feet of longitudinal joint constitutes a lot whenever production schedules and material continuity permit. A lot represented by 3 to 7 consecutive random sub-lots will be established when there are short production runs, significant material changes, or other unusual characteristics of the work.

Include all costs of furnishing and cutting the cores in the cost of plant mix surfacing. No separate measurement or payment will be made.

Longitudinal joints are evaluated for density on a lot-by-lot basis in accordance with Subsection 105.03.2 using an F factor of 3. The pay adjustment will be calculated using the equation below. The unit cost will be $4.50/foot of joint. Length is the length of longitudinal joint in the lot.

Pay adjustment = (P/100) x Length x Unit Cost

A 0.05 pay factor will be applied to the lots of longitudinal joint when the average density for the lot (Xn) is from 92.0% to 95.0%, inclusive, of the Maximum Specific Gravity (Rice's Method) and the range (R) is 3 or less.

Include all costs associated with constructing the joint in the cost of plant mix surfacing.

41. MISCELLANEOUS/APPROACH PAVING [401] (ADDED 11-14-19)

A. Description. This provision provides for separate payment of approaches and miscellaneous paving from mainline quantities that is not placed in conjunction with production paving.

B. Materials. Furnish the same plant mix surfacing and asphalt binder as specified in the contract. Produce plant mix in accordance with Section 401.

C. Construction. Vacant

D. Measurement. Miscellaneous/Approach paving is measured in accordance with Subsection 401.04. Miscellaneous/Approach paving quantities will be paid by the separate bid item and will not be included in QA totals.

E. Basis of Payment. Plant Mix Surf GR S-Miscellaneous is paid by the ton. Commercial Plant Mix Surfacing-Miscellaneous is paid by the ton.

42. BASE PRICE FOR CONCRETE [551] (REVISED 12-17-20)

Price reductions measured by the cubic yard will be calculated using the greater of the contract bid price or $500 per cubic yard for the following items:

- Class Deck
- Class Overlay
- Class Structure
- Class Structure – Low Slump

Price Reductions for Class Drilled Shaft item will be calculated using the greater of the contract bid price or $300 per cubic yard.

43. THERMAL INTEGRITY PROFILE (TIP) TEST METHOD FOR DRILLED SHAFTS (WIRE METHOD)

A. Description. This work includes testing cast-in-place drilled shafts using the Thermal Integrity Profiler (TIP) testing method. Use testing procedures and equipment in accordance with ASTM D7949 – Standard Test Methods for Thermal Integrity Profiling of Concrete Deep Foundations, Method B. This method assesses the quality of cast in place concrete drilled shafts using thermal probes in wires cast into the shaft.

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

C. Construction Requirements.

1) Qualification. Use a TIP testing consultant with documented experience in TIP testing of cast-in-place drilled shafts. Use a technician with documented TIP testing experience for onsite management of thermal wire placement on the reinforcement cage and for data collection. Use a Professional Engineer, licensed in Montana, to supervise the testing and interpret the TIP data.

2) Equipment. Use equipment with the following minimum requirements:

a) A computer based TIP data acquisition system to monitor temperature versus time after casting.

b) Wires with multiple embedded thermal sensors. Use a minimum of 4 wires per shaft or one wire for each 12 inches of shaft diameter, whichever is greater.

3) Submittals. Submit four copies of the following information to the Project Manager a minimum of thirty calendar days before start of drilling operations.

a) TIP consultant qualifications.

b) TIP equipment specifications.

c) Written narrative from the TIP Consultant outlining their procedure, recommendations, requirements, test timing, and schedule for testing the designated shafts.

4) Notification. Notify the Project Manager a minimum of 5 business days prior to the beginning of the testing so a Geotechnical Section representative can observe the test.

5) Timing. Record data at the time intervals recommended by the TIP Consultant based on shaft diameter and concrete mix. Coordinate with the TIP Consultant to be on site to

manage the placement of thermal wires and collection of data. Collect data from the beginning of concrete placement through the peak temperature in the concrete.

6) Testing. Perform Thermal Integrity Profiler (TIP) testing on the first drilled shaft constructed at each pier.

7) TIP results. Submit four copies of the results in a written report from the TIP Consultant within five working days of completion of testing. The TIP consultant's engineer will stamp all four copies. Include the following within the report:

a) Graphical displays of all temperature measurements versus depth. b) Indication of unusual temperatures, particularly significantly cooler local deviations of the average at any depth from the overall average over the entire length.

b) Overall average temperature and indication of variation from average that would indicate anomalies, bulges, or necking in the shaft concrete.

c) Indication of variations in temperature between wires at each depth which in turn correspond to variations in cage alignment. The cage misalignment or offset from center should be noted.

d) Indication of shaft specific construction values (e.g. elevations of the top of shaft, bottom of casing, bottom of shaft, etc.) on all pertinent graphical displays.

e) Written summary of the engineer's analysis of the data, conclusions, and recommendations.

8) In the event test results indicate potentially anomalous region(s) in the shaft, the Department may direct additional investigation. If the Engineer determines that the shaft is defective, submit a repair plan per 558.03.15.B.

D. Method of Measurement. TIP testing is measured by the each. Include all costs associated with procurement, preparation and installation, conducting tests, and subsequent reporting of results in the unit bid price for Thermal Integrity Profiler.

E. Basis of Payment. Payment for each completed test is at the unit price bid for Thermal Integrity Profiler. Performance of TIP testing and submittal of TIP results according to this Special Provision constitutes a completed test. If the Engineer determines that the shaft is defective, the contractor is responsible for all costs associated with the additional investigation work, costs associated with design and implementation of repairs, delays, and construction delay costs. The Department will pay the cost of directed additional investigations that do not result in a determination by the Engineer that the shaft is defective.

44. CONCRETE WARRANTY [608] (ADDED 4-23-20)

Concrete sidewalk, curb and gutter, median curb, and median cap are subject to a 1-year performance warranty.

The Project Manager has sole authority to determine concrete performance following the 1-year warranty period. The 1-year warranty period starts on the date of the completion of the final concrete placement in each calendar year and ends one year from that defined date. The Project Manager will give written notice to the Contractor of the beginning of the warranty period.

Defective concrete is defined as the presence of scaling, cracking, pop-outs, spalling, or any other deficiency identified by the Project Manager. Deficient Concrete is referenced in the Department's Concrete Warranty Administration Guide. The Project Manager will notify the Contractor in writing of observed deficiencies that occur within the warranty period. Submit a detailed repair plan to the Project Manager within 14 calendar days of the notification of required repairs.

Damage from Department or local maintenance activities, vandalism or other causes beyond the control of the Contractor is not subject to the warranty.

Replace deficient concrete to the nearest contraction joint or as approved in the repair plan. Acceptance of repair work will be in accordance with Subsection 105.03.1. Restore pavement markings and furnish traffic control at no additional cost to the Department.

Complete warranty work within 30 calendar days of the approved repair plan unless otherwise approved in writing by the Project Manager.

45. CONCRETE - CLASS STRUCTURE LOW SLUMP (ADDED 5-14-20)

A. Description. Use Concrete – Class Structure Low Slump for all full depth bridge deck concrete, bridge barrier rail, and metal bridge rail curbing.

B. Construction Requirements. Provide material meeting the requirements of Concrete – Class Structure, with the following modifications:

1) The maximum target value for slump is 3-inches with a tolerance of plus 1½-inches to minus 2-inches.

2) Overall Lot Pay Factor. The overall lot pay factor will be calculated for all bid items using Concrete – Class Structure Low Slump, except metal bridge rail.

3) Applicable Pay Factors. See Table 551-9 for applicable pay factors. Pay factors for strength, air content, and gradation are applicable. The pay factor for permeability is not applicable.

C. Measurement. Concrete – Class Structure Low Slump is measured by the cubic yard.

D. Basis of Payment. Include all costs associated with this provision in the bid price for Concrete – Class Structure Low Slump (CUYD).

46. ALTERNATE PRESTRESSED CONCRETE BEAM SECTIONS (REVISED 6-6-12)

A. Description

1) General. The contractor may elect to use an alternate prestressed beam shape if the resulting change in superstructure depth is less than or equal to the superstructure depth shown on the plans.

2) Submittals.

a) Provide two sets of designs that meet the AASHTO and Montana Specifications shown on the Plans, to the Project Manager for review and approval. Show calculations for the beams, slab and reinforcing steel. Provide design information as required to either validate or alter the substructure as shown.

b) Provide five sets of shop drawings to the Project Manager meeting the requirements of Section 553 of the Standard Specifications. Shop drawings may be submitted on 11” x 17” sheets and may be furnished in Adobe Acrobat Reader (.pdf) format in lieu of hard copies. Have a professional engineer licensed in Montana sign, stamp or seal these plans and designs. Do not fabricate beams prior to receiving approved drawings.

c) Provide a revised set of design drawings showing all changes to the bridge. Prepare the drawings using a CAD system. Submit the drawings in Adobe Acrobat Reader (.pdf) format. Include a cover letter signed by the supervising engineer transmitting the finished drawings. In addition, provide the CAD files used to detail the revisions. Upon request, the original design drawings will be made available.

B. Measurement and Payment. The beam and slab shown on the plans will be the configuration measured or calculated for payment. Furnish and install at no cost to the state any additional beam footage, slab concrete or slab reinforcing steel, or substructure concrete or reinforcing steel required because of the use of alternate beam shapes.

47. BIOENGINEERED BANK

A. Description. The purpose of this work is the incorporation of revegetation material into the new riprap installation and channel improvements at the bridge site. The work includes channel stabilization and revegetation elements to the dimensions and locations indicated in the plans.

B. Materials. Furnish all materials and equipment required to perform this work. Furnish and install topsoil and native seed mix in accordance with the Riprap Revegetation

Special Provision. Furnish and install live fascine, coir logs, wooden stakes, coir netting, topsoil, native material, erosion control blanket, granular bedding, willow cuttings, and willow irrigation as indicated on the plans. Native material and topsoil material utilized in the bank reconstruction to be approved by Project Manager.

1) Topsoil: Furnish topsoil meeting Subsection 713.05.

2) Fascine: Provide conifer and willow bundle fascines constructed from live cuttings as shown on the plans. Cuttings to be ½ to 2-inches in diameter and not less than 4-feet in length. Fascine to be tightly wrapped with untreated, biodegradable jute twine every 12" to 18". Breaking strength of twine to be minimum of 80 lbs.

3) Coir Logs: Furnish coir logs of the following dimensions and technical specifications:

Length	Minimum 10 foot lengths
Diameter/ Unit Weight	20-inch / Min. 19.4 lbs per lineal foot
Diameter/ Unit Weight	12-inch / Min. 7 lbs per lineal foot
Density	Min 9 lbs per cubic foot
Wrapping Material	Encased in spun, multiple ply coir twine or yarn
Wrapping Strength	Min. 90 lbs
Wrapping Mesh Size	2 in x 2 in
Core Material	100% coir fibers, uniformly distributed

4) Coir Netting: Provide coir erosion control net consisting of a woven blanket made from bristle coir twines. Meet the following requirements:

Thickness	ASTM D1777	0.30 in
Tensile Strength (dry)	ASTM D4595	100 x 50 lb/in
Mass Per Unit Area	ASTM D3776	26 oz/sq yd
Open Area	Measured	40% (max)
Roll Width	NA	feet

5) Willow Cuttings: Cuttings can be taken from the willows removed by this contract and may also be taken from other live willows within 20 miles of the project site. Coordinate with private landowners when applicable. Collect cuttings within the immediate vicinity of the project site to the extent practical. Collect and provide short term storage of the willow cuttings during the collection period in a manner that preserves their vigor and health. Harvest cuttings during their dormant period and prior to April 15th.

a) Quantity of Cuttings: 1,733 (quantity accounts for a 15% mortality rate)

b) Length: 4 to 5 feet long

c) Cut surface diameter: 0.75 to 1.25 inch

d) Condition: Live, dormant, and freshly cut.

The Project Manager, or their representative, will inspect the cuttings for acceptance prior to transfer to a rearing/rooting facility. Cuttings not conforming to the specifications will be rejected and replaced at no cost to MDT.

Within 48 hours of harvest, transfer the cuttings to a rearing facility (nursery) for the purposes of placing the lower half of the cuttings in an aqueous rooting solution to initiate root development. Coordinate with the rearing facility (nursey) to ensure that once rooting tissue forms (roughly 2 weeks) they transfer the cuttings to a moist, climate controlled organic medium for continued root development until the time of delivery to the project site. Root development on the cuttings should reach 3 to 6 inches by the time of delivery in mid to late summer, as

specified below. Provide the name, location, and contact information for the rearing facility (nursery) to the Project Manager upon transfer.

The Project Manager or their representative will inspect the cuttings at the rearing/rooting facility on a monthly basis until final delivery. A minimum survival rate of 85% at the time of delivery is required under this contract.

The nursery shall maintain the rooted cuttings until the time of delivery. Once delivered maintain the rooted cuttings in a manner that preserves their vigor and health. Rooted cuttings must be installed within 48 hours of delivery.

Any willows installed after November 1st should be cut in their dormant state from locations specified per B.5 in this provision and installed within 48 hours of cutting.

6) Irrigation for willows: Provide two lines of porous soaker hose, one at each lift of willows running the length of the willow cutting installation. Install hose on top of the willow cuttings in the root zone. Ensure stakes do not penetrate or conflict with soaker hose. Soaker hose to be vinyl and minimum of 1/2 inch diameter. Provide appropriate pump(s) for supplying irrigation water from the river. Soaker hose should be installed at all locations receiving willow plantings, regardless of timing of installation.

C. Construction Requirements. The contractor and Stream Restoration Contractor will attend a Bioengineering Bank Pre-Work meeting on site to discuss the proposed bioengineering bank work with the District Biologist and Project Manager, ten days prior to start of the work. Construction equipment, task sequencing and construction methods will be discussed and finalized before work can commence. All work on the channel improvements must be performed by the Stream Restoration Contractor. The following tasks, not necessarily in order of work performance, are to be accomplished.

1) Fascine: Ensure fascine is in contact with the coir netting of the encapsulated soil lift. Lap fascine segments a minimum of 18-inches. Lap the overlapping sections in the downstream direction to prevent the fascine from being dislodged by river flows. Stakes used to secure the fascine to be 30-inches long, untreated 2x4 lumber split diagonally.

2) Coir fiber logs: Place coir fiber logs along the channel bank as shown on the plans.

3) Coir netting: Wrap all encapsulated soil lifts with coir netting. Longitudinal joints in the coir netting are not permitted. The top lift is to be constructed of a continuous length of fabric.

4) Willow Cuttings: Store the rooted willow cuttings so that they remain viable from the time of delivery until final placement. The Stream Restoration Contractor and Project Manager (EPM) must inspect and approve all rooted cuttings before installation. Cuttings that appear dead, damaged or visibly stressed will be rejected.

Place the cuttings as shown in the plan details to ensure the cuttings are infilled with 100% contact with suitable rooting material (soil). Saturate the cuttings/infill material before additional layers of rock infill are placed. The lower 50% of the cutting should be buried in the infill.

Install willow cuttings in bundles of two (2) to three (3) in a roughly 45 degree angle orientation from the bank as shown in the details to achieve approximately six (6) willow cuttings per linear foot.

5) Hand broadcast seed the native soils prior to placement of the coir netting with the seed blend specified in the riprap revegetation special provision. Rake the seed into the soil to a ¼ to ½-inch depth after seeding. Submit a plan to the Project Manager for securing the blanket and coir netting following the manufacturer's recommendations. Wooden stakes 12-inch long – nominal 1-inch by 2-inch are to be used to secure the blanket and coir netting. It is important that all edges of the blanket/netting be secured.

6) Saturate the willows with the soaker hose a minimum of twice per week. Application rate should be adjusted based on the observed health of the willows and weather conditions to ensure the soil remains moist at all times. Apply irrigation immediately after

planting through November 1st. Leave soaker hose in place after work is completed. Resume willow irrigation in the Spring until Contractor leaves the project. Irrigation at the time of installation is not required for willows installed after November 1st.

D. Method of Measurement & Basis of Payment. Native material placement, fascine, coir netting, coir logs, wooden stakes, willow cuttings, granular bedding material, topsoil, seed, irrigation, and erosion control blanket are measured and paid for as Bioengineered Bank lump sum. Payment is full compensation for all labor, tools, materials, equipment and other incidentals necessary to complete the work in accordance with the specifications and as directed by the Project Manager. Bedding material outside the Bioengineered Bank will be paid for as part of RIPRAP REVEGETATION.

48. TRAFFIC CONTROL – ROAD CLOSURE

A. Prior to working within the present traveled way (PTW), close the roadway to through-traffic. Work outside the PTW such as limited excavation, clearing & grubbing, vegetation removal, and fencing may be performed prior to detouring traffic, at the discretion of the Project Manager. Maintain traffic through the Main Street Intersection at all phases of construction. Maintain access to the adjacent Old Montana Prison and River Trail at all times. Maintain access to the adjacent pedestrian trail at all phases of construction.

B. Detour traffic as shown in the plan details. Notify local emergency services (Sheriff, Fire, Ambulance, etc.) personnel of the closure and detour routes prior to closure. Maintain emergency services and local access to either side of the bridge location at all times.

C. Provide traffic control meeting the approved traffic control plan, Specification Section 618 and the Manual on Uniform Traffic Control Devices. Furnish Detour Signs in accordance with the Detour Route Detail and special provisions.

D. Measurement and Payment. No separate payment will be made. Include all costs associated with work described in this provision in the Traffic Control- LS item.

49. DETOUR – CONSTRUCT, MAINTAIN AND REMOVE

A. Description. Construct a detour in compliance with Section 206 at the location shown on the Road Plans, within the prescribed corridor and as specified in this provision. The detour horizontal and vertical design is for information only and is based on a 180-ft-span detour bridge. The detour design may be adjusted provided that the design is in compliance with the Department's requirements. The temporary work bridge will provide a navigable channel under the structure in accordance with MDT's Waterway Passage and Signing requirements. With the detour installed and approved, direct traffic onto the detour, close the PTW to traffic and complete the required work. Maintain the detour at all times and provide the traveling public with a safe, smooth riding surface. Repair all damage to the roadway surface at the connections of the PTW and to the detour. A satisfactory surface is considered a surface similar to that which existed on the PTW prior to beginning construction.

B. Materials. Vacant.

C. Construction Requirements

Construct the temporary detour within the R/W and to the lines and grades shown on the plans and cross sections or as approved by the Engineer. Surface the detour as indicated on the plans. Provide a waterway opening to meet the requirements described elsewhere in these provisions. Provide adequate spans and bulkheads at the approach fills to prevent fill materials from entering the stream. Design and construct the detour bridge structure within the right of way shown on the plans. Provide a minimum low chord elevation on the detour bridge of 4523.00. Provide the detour bridge with the width shown on the bridge with a design load capacity of AASHTO HS–20 (MS -18). The bridge length will span the entire active channel with the end abutments out of the bank line, minimizing impacts to wetlands and the river channel. Up to four approximate equal spans allowed.

1) Provide a rail system with blunt end protection at all bridge ends. Ensure the rail system either meets NCHRP350 TL-2 crash test requirements or can resist railing design forces as specified in AASHTO LRFD TL-2 (Table A13.2-1)

2) Submittals. Submit a copy of the design and calculations and four copies of the working drawings for the proposed detour bridge stamped and signed by a professional engineer licensed to practice in the State of Montana. Show the following on the drawings: (1) bridge length and width, (2) location of all bents, (3) clear channel opening width, (4) low beam elevation, (5) bulkheads and method of construction and (6) details for the bridge rail. Approval of the detour is contingent upon meeting the requirements of this provision. Submit a copy of the detour road design if deviating from the 180-ft detour bridge and/or deviating from the road plans.

3) Maintenance of the Detour. Maintain the detour in a manner that will provide the traveling public with a safe and smooth riding surface.

4) Temporary closure of detour bridge allowed for up to 48-hours. Contractor shall notify the Project Manager, landowners and BNSF Railroad a minimum of 48-hours prior to closure period.

5) Inspect the detour bridge daily for stream debris and remove debris immediately.

6) Removal of Detour. Upon completion of the new structure and approaches and the subsequent approval of them by the Engineer, remove the detour bridge and clear and grade the right-of-way and adjacent properties to tie into the existing natural ground lines.

7) The Department will inspect and approve the new structure and approaches before traffic is allowed on the new installation.

8) Place topsoil over the disturbed area. Seed, compost, and mulch with erosion control blanket on the disturbed area.

D. Measurement of Payment. Materials, labor and equipment needed to construct, maintain and remove the detour will not be measured separately for payment but included in the Lump Sum bid for Detour-Construct, Maintain & Remove. Payment at the contract unit price is full compensation for all resources necessary to complete the item of work under the contract. Detour signing and traffic control will be measured in accordance with Section 618 of the Standard Specifications and the Traffic Control Rate Schedule, found elsewhere in the contract, and paid for in the Lump Sum bid for Traffic Control.

50. TRAFFIC CONTROL DEVICES – PLASTIC DRUMS [618] (REVISED 1-23-20)

Beginning on April 1, 2021, all plastic drums furnished and installed on Interstate projects must include 6-inch retro-reflective white and retro-reflective fluorescent orange sheeting.

Beginning on April 1, 2022, all plastic drums furnished and installed on all projects must include 6-inch retro-reflective white and retro-reflective fluorescent orange sheeting. All other requirements of Detailed Drawing 618-00 still apply.

51. HISTORIC SIGN INSTALLATION

A. Description. Install a historic sign at Sta 42+27 RT. The historic sign displays information on the existing historical bridge. The sign face and supports will be supplied by MDT.

B. Material. Furnish materials necessary to install the sign foundation and mount the sign.

C. Construction Requirements. MDT will supply a 24”x36” sign face with two 3”x3” aluminum tube supports. The Contractor to mount the sign supports in 12-inch diameter by 2-ft deep holes. Concrete shall be 3,000 psi minimum 28-day compressive strength. Erect the sign level and plumb to a height of 32-inches or as specified by the Project Manager.

D. Basis of Payment. Payment for the completed and accepted historic sign is made under the following:

Pay Item	Pay Unit
Historical Marker	Each

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

52. PERMANENT EROSION CONTROL GEOTEXTILE

Provide Non-Woven Permanent Erosion Control Geotextile, High Survivability, Class B, meeting the requirements of Section 716. The geotextile under the Class 3 Riprap must have a minimum mass per unit area of 16 oz./sq. yard in accordance with ASTM D5261.

53. RIPRAP REVEGETATION

A. Description. This work is the incorporation of revegetation material on riprap surfaces above the coir wrapped soil lifts.

B. Construction Requirements. Fill the spaces and voids between the rocks with granular bedding material, or native material approved by the MDT Project Manager, and apply topsoil following placement of riprap, or at intervals appropriate for the size and configuration of the installation. Acceptable topsoil includes soil meeting Subsection 713.05, or locally obtained topsoil with less than 30% coarse fragments (>0.2 inch) by weight.

Place a sufficient amount of bedding (or approved native) material over the riprap, so that after settling, the level of bedding material comes to the very top of the rock. Place the topsoil to an 8-inch depth over the bedding (or approved native) material. Place material in a manner that creates a smooth, uniform surface for seeding.

Hand broadcast seed over the soil immediately after placement, regardless of time of year, with the seed mixture and rates listed below. Scarify the soil immediately prior to and following seeding to incorporate seed to a depth of ¼ to ½ inch into the soil.

REVEGETATION TYPICAL - STPB 9030(44) RIPRAP		BROADCAST SEEDING RATE		
COMMON NAME	VARIETY	Pounds PLS/ Acre	PLS/ sq.ft.	% of Mix
Western wheatgrass	Rosana	8.00	20	19%
Streambank wheatgrass	Sodar	7.00	25	24%
Slender wheatgrass	Pryor	6.00	22	21%
Basin wildrye	Trailhead II	6.00	18	17%
Green needlegrass	Lodorm	5.00	21	20%
	GRAND TOTAL	32.00	106	100%

Erosion Control Blanket: Provide 100% biodegradable erosion control blanket consisting of stitched blanket made from 70% straw and 30% coconut fiber. Acceptable blanket meets Supplemental Specification 713.12(A) – Long Term Blankets. Install the long-term erosion control blanket immediately following broadcast seeding as shown in the plan details. Secure blanket with 12-inch wooden stakes per manufacturer spacing recommendations.

Method of Measurement and Basis of Payment. The granular bedding material, approved native material, topsoil and topsoil placement, long-term erosion control blanket, and seeding are measured and paid for as RIPRAP REVEGETATION at the Contract Unit price per square yard.

54. RIPRAP ACCEPTANCE [701]

Rescind and replace the fourth sentence of specification 701.06 Riprap that begins with "The stone will be accepted based on" and replace with

"The stone will be accepted based on visual analysis, the Department's riprap evaluation form and optical granulometry WipFrag software for the gradation. Submit samples before placing the riprap. Notify the Project Manager within 7 calendar days of stockpiling the stone for quality control (QC) testing. The Department will use WipFrag for gradation analysis before (QC) and after (Quality Acceptance) placement of the stone. Material placed in its final location not meeting the rip rap gradation in Table 701-21 is unacceptable, unless determined acceptable under Subsection 105.03."

55. REVEGETATION

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

B. Construction Requirements. Salvage and/or furnish sufficient quantities of topsoil meeting Subsection 713.05 to place 4 inches over all cut & fill slopes associated with the west road approach, adjacent to the path, and other areas disturbed by construction. Condition the soil material by harrowing or raking to break up soil clods and root clumps.

Broadcast seed the topsoil immediately after placement with the following seed mixture at rates shown below. Re-scarify by harrowing or raking to incorporate the seed into the upper ¼ to ½ inch of soil.

REVEGETATION TYPICAL - STPB 9030(44) CONLEY BRIDGE		BROADCAST		
	SEEDING RATE	SEEDING RATE		
COMMON NAME	VARIETY	Pounds PLS/ Acre	PLS/ sq.ft.	% of Mix
Western wheatgrass	Rosana	6.75	17	13%
Streambank wheatgrass	Sodar	5.00	18	13%
Slender wheatgrass	Pryor	5.00	18	14%
Canby bluegrass	Canbar	1.00	21	16%
Basin wildrye	Trailhead II	5.00	15	11%
Green needlegrass	Lodorm	4.00	17	12%
Western yarrow	Eagle	0.20	13	10%
Wild bergamot	NA	0.50	15	11%
GRAND TOTAL		27.45	133	100%

C. Apply a combination of compost and mulch in 2 separate operations.

1) Within 24 hours following broadcast seeding of an area, uniformly apply compost at a rate of 65 cubic yards per acre. This is roughly equivalent to a dry weight of 14.5 tons per acre – or 29 tons per acre at a moisture content of 50%. Surface depth should average ½ inch across the application site.

2) Use compost that complies with Standard Specification 713.13

3) Within 24 hours following compost application of an area, uniformly apply one of the following mulches at a rate of 2,000 lbs per acre as a top dressing over the compost. Each of these mulches contains a pre-blended tackifier.

a) 100% Wood fiber hydro mulch

b) Straw/Cotton blend hydro mulch

4) Erosion Control Blanket: Provide 100% biodegradable erosion control blanket consisting of stitched blanket made from 70% straw and 30% coconut fiber. Acceptable blanket meets Supplemental Specification 713.12(A) – Long Term Blankets. Install the long-term erosion control blanket immediately following mulching as shown in the plan details. Secure blanket with 12-inch wooden stakes per manufacturer spacing recommendations.

D. Basis of Payment. Topsoil salvage / placement, soil conditioning and reseeding, and compost-mulch are paid for as REVEGETATION lump sum.

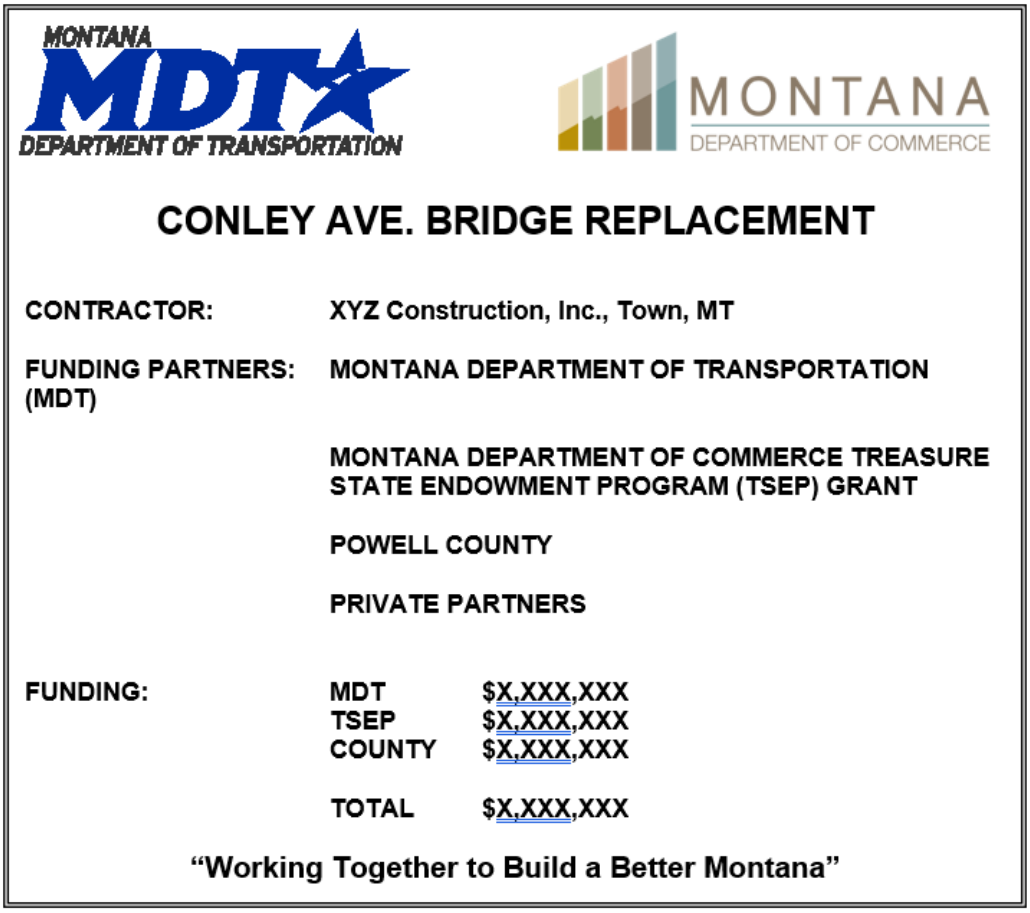
56. PROJECT SIGN

A. Description. Furnish, install, and maintaining of a public notification project funding sign.

B. Materials. Furnish materials meeting the requirements of Subsection 618.02. Retro-reflective sheeting is not required. Construct of ¾" minimum thickness exterior plywood (A-B) or APA high density overlay plywood (HDO). The sign face background shall consist of at least three (3) coats of white outdoor enamel paint. Minimum sign dimensions of 4'x4' with black lettering fabricated by a professional sign manufacturer.

C. Construction Requirements. Furnish and install one project sign meeting Detailed Drawing 618-01, minimum two-post installation, for public viewing at an appropriate location visible to the public, as approved by the EPM. EPM will provide dollar amounts listed on the sign. The sign must meet the height requirements specified on the Detailed Drawing. Size of text and logos to be approximately proportional to that shown on the preceeding template.

D. Basis of Payment. Include the cost to furnish, install and maintain this project sign in the bid item Miscellaneous Items-Each.



END SECTION I

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, national origin, sex, sexual orientation, gender identity, age, disability, & Limited English Proficiency	Race, color, national origin, parental/marital status, pregnancy, childbirth, or medical conditions related to pregnancy or childbirth, religion/ creed, social origin or condition, genetic information, sex, sexual orientation, gender identification or expression, national origin, ancestry, age, disability mental or physical, political or religious affiliations or ideas, military service or veteran status

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 will make all reasonable efforts to utilize DBE firms certified by MDT for its subcontracting services. The list of all currently certified DBE firms is located on the MDT website at mdt.mt.gov/business/contracting/civil/dbe.shtml

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 statues 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), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.*), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airways Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (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, 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 (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration's Non-Discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which prevents discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;

- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English Proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);

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

- Executive Order 13672 prohibits discrimination in the civilian federal workforce on the basis of gender identity and in hiring by federal contractors on the basis of both sexual orientation and gender identity.

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 paragraph one through seven in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and/or directives issued pursuant thereto. 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.

SK Geotechnical Boring Log Descriptive Terminology
Key to Soil Symbols and Terms

12/06/12

SK GEOTECHNICAL

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	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.
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	Silty gravels, gravel-sand-silt mixtures.
				GC	Clayey gravels, gravel-sand-clay mixtures.
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SAND AND SANDY SOILS	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.
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	Silty sands, sand-silt mixtures.
				SC	Clayey sands, sand-clay mixures.
FINE GRAINED SOILS	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.
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	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.

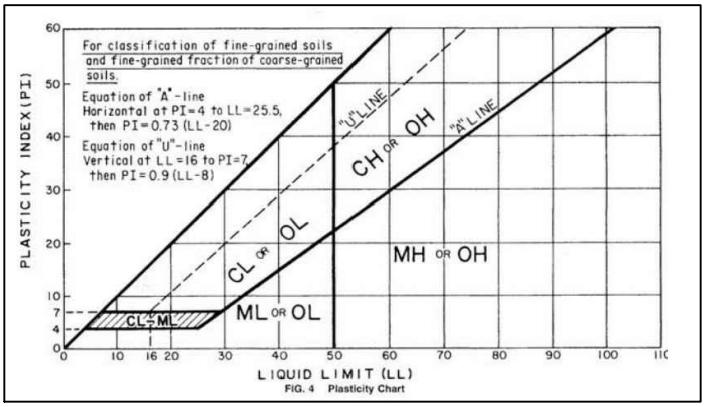


FIG. 4 Plasticity Chart

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)

SK GEOTECHNICAL

LOG OF BORING

Boring 8930000-PA-5

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797303.3 ft **Coordinates** E: 1152210.2 ft	**Station:** 13 + 91 **Offset:** 4 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4524.7 ft
Date Started: 11/3/18	**Date Finished:** 11/3/18	**Drilling Fluid:** None	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDC	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
							4½" Existing Asphalt Pavement.	0.4 / 4524.3	4					
2 / 4522.7			22		11 - 11 - 7		FILL, Poorly-Graded GRAVEL with silt and sand (GP-GM), medium dense, brown, moist, fine to coarse grained, subangular to subrounded, [A-1].	1.5 / 4523.2						
			39		5 - 1 - WH		FILL, Clayey SAND with gravel and bricks (SC), very loose, black to red, moist to wet, fine to coarse grained, angular to rounded, [A-2].		19					Possible void.
4 / 4520.7			17		3 - 3 - 4				21					
6 / 4518.7							FILL, Bricks, red.	6.0 / 4518.7						
			50		2 - 3 - 2				24					
8 / 4516.7								9.0 / 4515.7						
10 / 4514.7			100		WH - WH - WH		CLAY with organic soil (OL), very soft, dark gray, wet, [A-8]. (Buried Topsoil). ▼	10.0 / 4514.7	43	36	32	57		
							Sandy SILT (ML), very soft, dark gray to gray, wet, [A-4]. -trace roots. (Alluvium).	10.5 / 4514.2						
							Boring Depth: 10.5 ft, *Elevation: 4514.2 ft*							

Water Level Observations	
▼ After Drilling: **10.0 ft** ***(4514.7 ft), Augers In***	▽ During Drilling: **10.0 ft** ***(4514.7 ft)***
	▼ After Drilling: **Not Encountered, Augers Out**

Remarks: Water not observed to dry cave-in depth of 6' immediately after withdrawal of auger.

(2) MDT LOG OF BORING - MDT_REVISED_2009+(CPT_IMPORT).GDT - 1/8/20 09:46 - Z:\GINT\GINT\PROJECTS\3601-3700\3627.GPJ

SK GEOTECHNICAL

LOG OF BORING

Boring 8930000-PA-6

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797294.5 ft **Coordinates** E: 1152379.0 ft	**Station:** 15 + 60 **Offset:** 2 ft L
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4525.9 ft
Date Started: 11/3/18	**Date Finished:** 11/3/18	**Drilling Fluid:** None	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDD	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
							5" Asphalt Pavement.	0.4 *4525.5*	5					Bulk Bag 2' - 4'
2 *4523.9*			94		15 - 28 - 15		FILL, Poorly-Graded GRAVEL with silt and sand (GP-GM), dense, brown to gray, moist, fine to coarse grained, angular to subrounded, [A-1].	2.0 *4523.9*	14					
			89		6 - 4 - 5		FILL, Silty, Clayey SAND with gravel (SC-SM), loose, brown, moist, [A-2]. -trace black material.		10	24	19	23		Waterbearing below 5'.
4 *4521.9*			44		2 - 2 - 5			5.0						
6 *4519.9*							FILL, Clayey GRAVEL with sand (GC), loose, brown, wet, fine to coarse grained, angular to subangular, [A-2].	*4520.9*	23					
			67		3 - 4 - 1		FILL, Clayey SAND (SC), loose, brown to black, wet, fine to coarse grained, subrounded to rounded, [A-6]. -trace organics.	7.0 *4518.9*						
8 *4517.9*							Poorly-Graded SAND with gravel (SP), loose, brown, wet, fine to coarse grained, subrounded to rounded, [A-2]. -trace roots. (Alluvium).	7.5 *4518.4* 8.5 *4517.4*	40	41	27	65		
10 *4515.9*			100		WH - 1 - 3		Sandy SILT (ML), soft, dark gray, wet, [A-6]. (Alluvium).	10.0 *4515.9*						
							Poorly-Graded SAND (SP), loose, gray, wet, fine to coarse grained, subrounded to rounded, [A-1]. (Alluvium).	10.5 *4515.4*						

Boring Depth: 10.5 ft, *Elevation: 4515.4 ft*

Water Level Observations	
After Drilling: **9.0 ft** *(4516.9 ft), Augers In*	During Drilling: **9.0 ft** *(4516.9 ft)*
	After Drilling: **5.6 ft** *(4520.3 ft), Augers Out*

Remarks:

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LOG OF BORING

Boring 8930000-ST-1

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797305.0 ft **Coordinates** E: 1152064.7 ft	**Station:** 12 + 46 **Offset:** 15 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4523.1 ft
Date Started: 10/29/18	**Date Finished:** 10/29/18	**Drilling Fluid:** None	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDC	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
							9¾" Existing Asphalt Pavement.	0.8 / 4522.3						Bulk Bag 2' - 4'
2 / 4521.1			50		6 - 15 - 15		FILL, Poorly-Graded GRAVEL with clay and sand (GP-GC), medium dense, brown, moist, fine to coarse grained, subangular to subrounded, [A-1].		5					
			67		7 - 5 - 6		FILL, Clayey SAND with gravel (SC), medium dense, brown to dark brown, moist to wet, fine to coarse grained, subangular to rounded, [A-2].	3.0 / 4520.1	12					MDD-125.4 pcf
4 / 4519.1								4.0 / 4519.1	12	28	20	26		OMC-10.3%
			72		2 - 3 - 7		Sandy Lean CLAY (CL), medium stiff, dark brown to brown, moist to wet, [A-6]. (Alluvium).	5.0 / 4518.1	35					CBR=4.8
6 / 4517.1							Poorly-Graded SAND (SP), loose to medium dense, gray, wet, fine to coarse grained, subangular to rounded, [A-1]. (Alluvium).							
			83		1 - 9 - 13				11					
8 / 4515.1							Poorly-Graded GRAVEL with silt and sand (GP-GM), medium dense to dense, gray, wet, fine to coarse grained, subangular to rounded, [A-1]. (Alluvium).	7.5 / 4515.6						
10 / 4513.1			56		11 - 16 - 15									
								10.5 / 4512.6	9					

Boring Depth: 10.5 ft, *Elevation: 4512.6 ft*

Water Level Observations	
After Drilling: 5.2 ft *(4517.9 ft), Augers In*	During Drilling: 5.0 ft *(4518.1 ft)*
	After Drilling: 4.0 ft *(4519.1 ft), Augers Out*

Remarks:

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LOG OF BORING

Boring 8930000-ST-2

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797285.8 ft **Coordinates** E: 1152545.8 ft	**Station:** 17 + 27 **Offset:** 1 ft L
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4526.8 ft
Date Started: 11/3/18	**Date Finished:** 11/3/18	**Drilling Fluid:** None	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDD	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
							3¾" Existing Asphalt Pavement.	0.3	5					Bulk Bag 2' - 4'
							1¼" Old Asphalt/Recycled Asphalt.	4526.5 0.4						
			100		12 - 21 - 25		FILL, Silty GRAVEL with sand (GM), dense, brown, moist, fine to coarse grained, subangular to subrounded, [A-1]. (Base Course).	4526.4 0.5	13					
2 4524.8								4526.3						
			100		17 - 16 - 15		FILL, Clayey SAND (SC), dense, brown, moist, fine to coarse grained, subangular to rounded, [A-2].	2.0 4524.8		24	20	22		MDD-130.8 pcf OMC-8.0% CBR=7.1
4 4522.8							FILL, Silty, Clayey SAND with gravel (SC-SM), dense, brown to black, moist, fine to coarse grained, subangular to rounded, [A-1].	4.0 4522.8	26					
			89		1 - 2 - 2		Lean CLAY (CL), soft, brown, moist to wet, [A-6]. (Alluvium).							
6 4520.8									12					
			44		5 - 17 - 17		Poorly-Graded GRAVEL with silt and sand (GP-GM), dense to very dense, reddish brown, wet, fine to coarse grained, angular to subangular, [A-1]. (Alluvium).	7.0 4519.8						
8 4518.8									8					
10 4516.8			56		13 - 29 - 37									
								10.5 4516.3						

Boring Depth: 10.5 ft, *Elevation: 4516.3 ft*

Water Level Observations	
After Drilling: 8.3 ft *(4518.5 ft), Augers In*	During Drilling: 7.0 ft *(4519.8 ft)* After Drilling: Not Encountered, Augers Out

Remarks: Water not observed to dry cave-in depth of 6' immediately after withdrawal of auger.

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LOG OF BORING

Boring 8930000-ST-3

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797305.3 ft **Coordinates** E: 1152198.3 ft	**Station:** 13 + 79 **Offset:** 3 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4524.3 ft
Date Started: 10/30/18	**Date Finished:** 10/31/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDC	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
							5" Existing Asphalt Pavement.	0.4						
							FILL, Poorly-Graded GRAVEL with silt and sand (GP-GM), medium dense, brown to dark gray, moist, fine to coarse grained, subangular to subrounded, [A-1]. (1½" Base Course).	0.5	6					
2 / 4522.3			39		10 - 10 - 12			4523.8						
			28		7 - 10 - 8		FILL, Poorly-Graded GRAVEL with clay and sand (GP-GC), medium dense, brown, moist, fine to coarse grained, subangular to angular, [A-1].	3.5	8					
4 / 4520.3								4520.8	14					
			50		3 - 4 - 4		FILL, Silty SAND with gravel and bricks (SM), loose to medium dense, dark gray, moist, fine to coarse grained, angular to rounded, [A-2].							
6 / 4518.3									7					
			56		3 - 5 - 2		FILL, Poorly-Graded GRAVEL with silt and sand (GP-GM), loose, brown, moist, fine to coarse grained, angular to subrounded, [A-1].	7.0						
8 / 4516.3								4517.3 7.5 4516.8						
			100		WH - 1 - 1		Lean CLAY (CL), very soft to medium stiff, gray, moist, [A-6]. -trace roots. (Alluvium).		46					
10 / 4514.3														
							Poorly-Graded GRAVEL with silt and sand (GP-GM), medium dense, brown, wet, fine to coarse grained, subangular to subrounded, [A-1]. (Alluvium).	11.0	11					
12 / 4512.3			61		18 - 13 - 14			4513.3						
14 / 4510.3									12					
			39		11 - 11 - 14									
16 / 4508.3														
18 / 4506.3									36					
20 / 4504.3			44		6 - 3 - 3									Add bentonite slurry below 19' to reduce sand heave.
							Sandy Lean CLAY (CL), medium stiff, light brown, wet, [A-6]. (Tertiary Sediments).	20.0 4504.3	41	37	24	50		
22 / 4502.3			100											
24 / 4500.3									27					

Water Level Observations	
▼ After Drilling: ()	▽ During Drilling: 8.3 ft (4516.0 ft) ▼ After Drilling: ()

Remarks:

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LOG OF BORING

Boring 8930000-ST-3

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797305.3 ft **Coordinates** E: 1152198.3 ft	**Station:** 13 + 79 **Offset:** 3 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4524.3 ft
Date Started: 10/30/18	**Date Finished:** 10/31/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDC	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
								24.5 *4499.8*						
26 *4498.3*			89		2 - 6 - 10		Silty SAND (SM), medium dense, light brown, wet, fine to coarse grained, subangular to subrounded, [A-2]. (Tertiary Sediments).							
28 *4496.3*								27.5 *4496.8*						
							Poorly-Graded SAND with smaller gravel (SP), loose to medium dense, brown, wet, fine to coarse grained, subrounded to rounded, [A-1]. (Tertiary Sediments).		11				
30 *4494.3*			89		6 - 11 - 23									
32 *4492.3*														
34 *4490.3*							Poorly-Graded SAND with smaller gravel continued.		16					
			50		2 - 6 - 7									
36 *4488.3*														
38 *4486.3*														
									14					
40 *4484.3*			89		3 - 4 - 6									
42 *4482.3*														
								42.5 *4481.8*						
							Sandy SILT (ML), medium stiff, light brown, wet, [A-4]. (Tertiary Sediments).						
44 *4480.3*									38					
			94		2 - 3 - 4									
46 *4478.3*														
									27	34	28	54		UCS: 1395 psi
48			100											
4476.3														

Water Level Observations		Remarks:
▽ After Drilling: *()*	▽ During Drilling: **8.3 ft** ***(4516.0 ft)***	
	▼ After Drilling: *()*	

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LOG OF BORING

Boring 8930000-ST-3

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797305.3 ft **Coordinates** E: 1152198.3 ft	**Station:** 13 + 79 **Offset:** 3 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4524.3 ft
Date Started: 10/30/18	**Date Finished:** 10/31/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDC	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
50 4474.3			100		11 - 16 - 21		Silty SAND (SM), dense, brown, wet, fine to coarse grained, subrounded to rounded, [A-3]. (Tertiary Sediments).	49.0 4475.3	27					
52 4472.3								52.5 4471.8						
54 4470.3			56		19 - 44 - 50/0.3ft		Poorly-Graded SAND with smaller gravel (SP), dense to very dense, brown, wet, fine to coarse grained, subrounded to rounded, [A-1]. (Tertiary Sediments).		7					Sand heave.
56 4468.3														
58 4466.3														
60 4464.3			N/A		3 - 12 - 21				10					
62 4462.3							Poorly-Graded SAND (SP), medium dense to dense, brown, wet, fine to coarse grained, subrounded to rounded, [A-1]. -trace small gravel. (Tertiary Sediments).	61.5 4462.8						
64 4460.3									30					
66 4458.3			100		3 - 10 - 19									
68 4456.3							Poorly-Graded SAND continued.							
70 4454.3			50		9 - 8 - 15				14					
72 4452.3														

Water Level Observations		Remarks:
▽ After Drilling: ()	▽ During Drilling: 8.3 ft (4516.0 ft) ▼ After Drilling: ()	

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Boring 8930000-ST-3

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797305.3 ft **Coordinates** E: 1152198.3 ft	**Station:** 13 + 79 **Offset:** 3 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4524.3 ft
Date Started: 10/30/18	**Date Finished:** 10/31/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDC	

Depth (ft) Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
74 4450.3														Skipped sample due to heave.
76 4448.3														
78 4446.3														
80 4444.3			33		13 - 23 - 24				18					
82 4442.3														
84 4440.3														Skipped sample due to heave.
86 4438.3														
88 4436.3														
90 4434.3			67		2 - 8 - 11		Elastic SILT (MH), very stiff, brown, wet, [A-6]. -trace sands. (Tertiary Sediments).	89.5 4434.8	37	56	38	92		Sampler driven 2.0'. Blow count from 90.5-'91.0'=17 Could not pound spoon at 94' to 96'. Too much heave, could not regain control. Boring terminated.
92 4432.3														
94 4430.3							Boring Depth: 94.0 ft, *Elevation: 4430.3 ft*	94.0 4430.3						

Water Level Observations		Remarks:
After Drilling: ()	During Drilling: 8.3 ft (4516.0 ft) After Drilling: ()	

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LOG OF BORING

Boring 8930000-ST-4

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797288.5 ft **Coordinates** E: 1152378.5 ft	**Station:** 15 + 60 **Offset:** 4 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"/3.5"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4525.8 ft
Date Started: 11/1/18	**Date Finished:** 11/3/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDD	

Depth (ft) / Elev. (ft)	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
	5" Existing Asphalt Pavement.	0.4 / 4525.4						See Boring ST-4A for soil data shown from 0' to 20'.
2 / 4523.8	FILL, Poorly-Graded GRAVEL with silt and sand (GP-GM), dense, brown, moist, fine to coarse grained, angular to subrounded, [A-1].	2.0 / 4523.8						
4 / 4521.8	FILL, Silty GRAVEL with sand (GM), medium dense, dark gray, moist, fine to coarse grained, subangular to subrounded, [A-2].							
6 / 4519.8								
8 / 4517.8	Lean CLAY with sand (CL), medium stiff to very stiff, gray, wet, [A-6]. (Alluvium).	7.5 / 4518.3						
10 / 4515.8	Clayey SAND (SC), loose, gray, wet, fine to coarse grained, angular to subrounded, [A-2]. (Alluvium).	10.0 / 4515.8						
12 / 4513.8	Silty GRAVEL with sand and cobbles (GM), very dense, brown to gray, wet, fine to coarse grained, subangular to rounded, [A-1]. (Alluvium).	10.5 / 4515.3						
14 / 4511.8								
16 / 4509.8								
18 / 4507.8		18.5 / 4507.3						
20 / 4505.8	Sandy Lean CLAY (CL), medium stiff to stiff, brown, wet, [A-7]. (Tertiary Sediments).							
22 / 4503.8								
24 / 4501.8								Pen: 3½ tsf

Water Level Observations

- ▽ During Drilling: 6.5 ft *(4519.3 ft)*
- ▼ After Drilling: *()*
- ▼ After Drilling: 9.0 ft *(4516.8 ft), Augers Out*

Remarks:

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LOG OF BORING

Boring 8930000-ST-4

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797288.5 ft **Coordinates** E: 1152378.5 ft	**Station:** 15 + 60 **Offset:** 4 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"/3.5"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4525.8 ft
Date Started: 11/1/18	**Date Finished:** 11/3/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDD	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
26 / 4499.8			78		1 - 4 - 5				48					
28 / 4497.8														
30 / 4495.8			6		2 - 3 - 3				47					
32 / 4493.8														
							Sandy SILT (ML), stiff, brown, wet, [A-4]. (Tertiary Sediments).	32.5 / 4493.3						
34 / 4491.8							Sandy SILT continued.							
			83		2 - 5 - 5				31					
36 / 4489.8														
			100						21		NP	16		
38 / 4487.8							Silty SAND (SM), dense, brown, wet, fine to coarse grained, angular to subrounded, [A-3]. (Tertiary Sediments).	37.5 / 4488.3						
40 / 4485.8			100		5 - 21 - 27				18					
42 / 4483.8														
44 / 4481.8									25					
			83		6 - 15 - 21									
46 / 4479.8														
48 / 4477.8														

Water Level Observations

- During Drilling: 6.5 ft *(4519.3 ft)*
- After Drilling: *()*
- After Drilling: 9.0 ft *(4516.8 ft), Augers Out*

Remarks:

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Boring 8930000-ST-4

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797288.5 ft **Coordinates** E: 1152378.5 ft	**Station:** 15 + 60 **Offset:** 4 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"/3.5"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4525.8 ft
Date Started: 11/1/18	**Date Finished:** 11/3/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDD	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
50 / 4475.8			67		3 - 2 - 3				30					Pen: 2 tsf
							Lean CLAY with sand (CL), medium stiff to stiff, brown, wet, [A-6]. -seams of clayey sand. (Tertiary Sediments).	50.0 / 4475.8					
52 / 4473.8														
54 / 4471.8			78		1 - 5 - 6				40					
56 / 4469.8														
58 / 4467.8							Sandy SILT (ML), very stiff, olive, wet, [A-4]. (Tertiary Sediments).	57.5 / 4468.3						Pen: 4+ tsf
60 / 4465.8			94		4 - 8 - 11				37					
62 / 4463.8									49	34	24	41		UCS: 1504 psf
			100						15		NP	4		
			20		7 - 10 - 10/0.3ft		Poorly-Graded SAND with small gravel (SP), medium dense, brown, wet, fine to coarse grained, subrounded to rounded, [A-1]. (Tertiary Sediments).	62.5 / 4463.3	26					Switch to NW casing advancer at 63'.
64 / 4461.8														
66 / 4459.8														
68 / 4457.8							SILT (ML), very stiff to hard, olive, wet, [A-4]. (Tertiary Sediments).	67.5 / 4458.3						
70 / 4455.8			100		5 - 8 - 9				46					
72 / 4453.8														

Water Level Observations

During Drilling: 6.5 ft *(4519.3 ft)*

After Drilling: *()*

After Drilling: 9.0 ft *(4516.8 ft), Augers Out*

Remarks:

(2) MDT LOG OF BORING - MDT_REVISED_2009+(CPT_IMPORT).GDT - 1/8/20 09:46 - Z:\GINT\GINTPROJECTS\3601-3700\3627.GPJ

SK GEOTECHNICAL

LOG OF BORING

Boring 8930000-ST-4

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797288.5 ft **Coordinates** E: 1152378.5 ft	**Station:** 15 + 60 **Offset:** 4 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"/3.5"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4525.8 ft
Date Started: 11/1/18	**Date Finished:** 11/3/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDD	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
74 *4451.8*														
			78		7 - 20 - 24				43					
76 *4449.8*														
78 *4447.8*							Silty SAND (SM), medium dense to very dense, olive, wet, fine grained, subrounded to rounded, [A-2]. (Tertiary Sediments).	77.5 *4448.3*						
80 *4445.8*			78		10 - 20 - 40				30					
82 *4443.8*														
84 *4441.8*														
86 *4439.8*														Sample skipped at 85 feet due to heave.
88 *4437.8*														
90 *4435.8*			94		4 - 7 - 7				32					
92 *4433.8*														
94 *4431.8*							SILT (ML), very stiff, brown, wet, [A-6]. (Tertiary Sediments).	92.5 *4433.3*						
			100		6 - 12 - 16				35	38	26	92		Sampler driven 2.0'. Blow count from 95.5'-96'=19
96														

4429.8

Boring Depth: 96.0 ft, *Elevation: 4429.8 ft*

Water Level Observations

- After Drilling: *()*
- During Drilling: **6.5 ft** ***(4519.3 ft)***
- After Drilling: **9.0 ft** ***(4516.8 ft), Augers Out***

Remarks:

(2) MDT LOG OF BORING - MDT_REVISED_2009+(CPT_IMPORT).GDT - 1/8/20 09:46 - Z:\GINT\GINT\PROJECTS\3601-3700\3627.GPJ

SK GEOTECHNICAL

LOG OF BORING

Boring 8930000-ST-4

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797288.5 ft **Coordinates** E: 1152378.5 ft	**Station:** 15 + 60 **Offset:** 4 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"/3.5"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4525.8 ft
Date Started: 11/1/18	**Date Finished:** 11/3/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profile
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDD	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
								96.0 4429.8						

Water Level Observations		Remarks:
After Drilling: ()	During Drilling: 6.5 ft (4519.3 ft) After Drilling: 9.0 ft (4516.8 ft), Augers Out	

(2) MDT LOG OF BORING - MDT_REVISED_2009+(CPT_IMPORT).GDT - 1/8/20 09:46 - Z:\GINT\GINT\PROJECTS\3601-3700\3627.GPJ

SK GEOTECHNICAL

LOG OF BORING

Boring 8930000-ST-4A

Project: Conley Avenue Bridge-Deer Lodge, MT 17-3627S		**Rig:** CME 75HT **Hammer:** Auto	**Boring Location** N: 797288.1 ft **Coordinates** E: 1152383.5 ft	**Station:** 15 + 65 **Offset:** 4 ft R
Project Number: STPB9039(43)	**UPN:** 8930000	**Boring Diameter:** 9"	**System:** MT S.P. (E) **Datum:** NAD83	**Top of Boring Elevation:** 4525.8 ft
Date Started: 11/1/18	**Date Finished:** 11/1/18	**Drilling Fluid:** Other	**Location Source:** Plans & Profiles	**Elevation Source:** Plans & Profiles
Driller: C. Larsen **Logger:** D. Hutzenbiler		**Abandonment Method:** Backfilled with Cuttings	**Township, Range, and Section:** 7N 9W 4 - BDD	

Depth (ft) / Elev. (ft)	Operation	Sample Type	Recovery (%)	RQD (%)	Blow Count	Lithology	Material Description	Depth (ft) / Elev. (ft)	MC (%)	LL	PL	-200 (%)	DD	Remarks and Other Tests
							5" Existing Asphalt Pavement.	0.4						
			89		13 - 21 - 13		FILL, Poorly-Graded GRAVEL with silt and sand (GP-GM), dense, brown, moist, fine to coarse grained, angular to subrounded, [A-1].	4525.4	9					
2								2.0						
4523.8			39		7 - 9 - 11		FILL, Silty GRAVEL with sand (GM), medium dense, dark gray, moist, fine to coarse grained, subangular to subrounded, [A-2].	4523.8	8					
4									12					
4521.8			50		7 - 9 - 8									
6									16					Add bentonite slurry at 6½' to reduce sand heave.
4519.8			39		2 - 9 - 9									
8							Lean CLAY with sand (CL), medium stiff to very stiff, gray, wet, [A-6]. (Alluvium).	7.5						
4517.8								4518.3	31					
10			100		WH - 2 - 3									
4515.8							Clayey SAND (SC), loose, gray, wet, fine to coarse grained, angular to subrounded, [A-2]. (Alluvium).	10.0 4515.8						
							Silty GRAVEL with sand and cobbles (GM), very dense, brown to gray, wet, fine to coarse grained, subangular to rounded, [A-1]. (Alluvium).	10.5 4515.3	20					
12 4513.8			44		17 - 43 - 50									
14									12					
4511.8			44		21 - 36 - 22									
16 4509.8														
18 4507.8														
							Sandy Lean CLAY (CL), medium stiff, brown, wet, [A-7]. (Tertiary Sediments).	18.5 4507.3	39					
20 4505.8			89		4 - 3 - 4									Auger sheared off during drilling, 5' left in ground, offset boring 6' E.
								20.5 4505.3						

Boring Depth: 20.5 ft, *Elevation: 4505.3 ft*

Water Level Observations		Remarks:
▽ After Drilling: ()	▽ During Drilling: 6.5 ft (4519.3 ft) ▼ After Drilling: ()	

(2) MDT LOG OF BORING - MDT_REVISED_2009+(CPT_IMPORT).GDT - 1/8/20 09:46 - Z:\GINT\GINT\PROJECTS\3601-3700\3627.GPJ

STANDARD PROVISIONS INDEX

FEDERAL AID PROJECTS CONTAINS

Federal Wage Rates (Rev. 1-3-2020)..... 9 Pages

Requirements & Acknowledgement for Working on Railroad R/W ..... 1 Page

Required Contract Provisions Federal-Aid Const. Contracts (FORM FHWA-1273) [Rev.5-1-2012]..... 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: MT20200079 01/03/2020

MT79 Superseded General Decision Number:

MT20190079 State: Montana

Construction Type: Highway

Counties: Montana Statewide.

HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.80 for calendar year 2020 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, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at ww.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020

* SUMT2014-001 02/19/2014

	Rates	Fringes
CARPENTER		
Carpenter/Piledriverman....	$ 29.00	11.82
Millwright.....	$ 32.00	11.82

Zone 1: 0 to 25 miles - Free
Zone 2: 25 to 50 miles - Base Pay +$2.50
Zone 3: Over 50 miles - Base Pay +$3.00

The Carpenter zone hourly rate applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Courthouse of the following cities to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Missoula, Kalispell

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract.

CEMENT MASON/CONCRETE FINISHER...$ 24.87 10.80

Zone 1: 0 to 25 miles - Free
Zone 2: 25 to 50 miles - Base + $2.50
Zone 3: Over 50 miles -Base + $3.00

The Cement Mason/Concrete Finisher zone hourly rate applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Courthouse of the following cities to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Missoula, Kalispell

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract

DIVER

Diver Tender.....$ 37.16 14.52
Diving.....$ 76.32 14.52
Stand-By.....$ 38.16 14.52

The tender shall receive 2 hours at the straight time pay rate per shift for dressing and/or undressing a Diver 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.

DIVER ZONE PAY:

The hourly wage rates applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Court House of the following cities only to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, Missoula

Zone 1: 0 to 25 miles - Free
Zone 2: 25 to 50 miles - Base Pay +$2.50
Zone 3: Over 50 miles - Base Pay +$3.00

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract

ELECTRICIAN (LINE CONSTRUCTION)

Equipment Operator.....$ 33.27 14.16
Groundman.....$ 25.98 13.25
Lineman.....$ 43.43 15.38

TRAVEL PAY:

$50.00 per day - 0-25 Miles from the County Courthouse of the following cities: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell and Missoula

$60.00 per day - Over 25 Miles

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract

ELECTRICIAN

All Areas.....$ 32.74 13.42

TRAVEL PAY:

Zone 1: 0 to 10 miles – Free
Zone 2: 10 to 60 miles - Federal mileage both ways/day
Zone 3: Over 60 miles - $75.00 per day

The Electrician zone hourly rate applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Courthouse of the following cities to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, Missoula

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract

IRONWORKER.....$ 27.25 20.98

TRAVEL PAY:

0 to 45 miles - Free
45-85 miles - $55.00 per day
Over 85 miles - $85.00 per day

The Ironworker zone hourly rate applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Courthouse of the following cities to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, Missoula

Zone 1: 0 to 25 miles - Free
Zone 2: 25 to 50 miles - Base + $2.50
Zone 3: Over 50 miles - Base + $3.00

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract

LABORER

Group 1.....$ 20.90 9.60
Group 2.....$ 23.97 9.60
Group 3.....$ 24.19 9.60
Group 4.....$ 25.18 9.60

GROUP 1: Flag Person
GROUP 2: All General Labor work; 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 Plant Worker; Fence Erector; Form Setter; Form Stripper; Heater Tender; Landscaper; Pipe Wrapper; Pot Tender; Powderman Tender; Rail and Truck Loaders and Unloaders; Rip rapper; Sealants for Concrete and other materials; Sign Erection, Guard Rail and Jersey Rail; Stake Jumper; Spike Driver; Signalman; Tail Hose man; Tool Checker and Houseman; Traffic Control Worker

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

GROUP 4: Asphalt Raker; Cutting Torch; Grade Setter; High-Scaler; Power Saws (Faller & Concrete); Powderman ($1.00 per hour above Group 4 rate); Rock & Core Drill; Track or Truck Mounted Wagon Drill; Welder including Air Arc

LABORERS ZONE PAY:

The hourly wage rates applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Court House of the following cities only to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, Missoula

Zone 1: 0 to 25 miles - Free
Zone 2: 25 to 50 miles - Base Pay +$2.50
Zone 3: Over 50 miles - Base Pay +$3.00

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract

PAINTER (Pavement Marking/Milling and related work. Includes operating marking and all other equipment and all work involved in application of pavement markings including epoxies, paints, tape, buttons, thermo-plastics and any other products applied for traffic marking purposes and for directing and regulating traffic and cutting rumble strips) .....$ 28.00 10.30

PAINTER ZONE PAY:

The hourly wage rates applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Court House of the following cities only to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, Missoula

ZONE 1: 0 to 25 miles - Free
ZONE 2: 25 to 50 miles - Base Pay +$2.50
ZONE 3: Over 50 miles - Base Pay +$3.00

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract.

POWER EQUIPMENT OPERATOR:

Group 1.....	$ 26.52	10.40
Group 2.....	$ 28.55	10.40
Group 3.....	$ 29.41	10.40
Group 4.....	$ 30.10	10.40
Group 5.....	$ 31.44	10.40
Group 6.....	$ 32.13	10.40
Group 7.....	$ 34.23	10.40

GROUP 1: Air Compressor; Auto Fine Graders; Belt Finishing Machine; 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; Pump man

GROUP 2: Air Doctor; Backhoe/Excavator/Shovel 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; Hydralift & 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

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

GROUP 5: Cranes, 45 Tons to Including 74 Tons

GROUP 6: Cranes, 75 Tons to Including 149 Tons; Crane, Whirley (All)

GROUP 7: Cranes, 150 Tons to Including 250 Tons (Add $ 1.00 for Every 100 Tons Over 250 Tons; Crane, Tower (All)

POWER EQUIPMENT OPERATOR ZONE PAY:

The hourly wage rates applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Court House of the following cities only to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, Missoula

Zone 1: 0 to 25 miles - Free
Zone 2: 25 to 50 miles - Base Pay +$2.50
Zone 3: Over 50 miles - Base Pay +$3.00

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract

TRUCK DRIVER

Group 1.....$ 22.39 10.16
Group 2.....$ 28.06 10.16

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

TRUCK DRIVER ZONE PAY:

The hourly wage rates applicable to each project shall be determined by measuring the road miles over the shortest practical maintained route from the County Court House of the following cities only to the center of the job: Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, Missoula

Zone 1: 0 To 25 Miles - Free
Zone 2: 25 To 50 Miles - Base Pay +$2.50
Zone 3: Over 50 Miles - Base Pay +$3.00

The agency shall calculate the mileage and include it in the special provisions of the bid documents and awarded contract

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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 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) (ii)).

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

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which 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. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of 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. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier. A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can

be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed. With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations.

Write 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 the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7).

Write 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 by 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

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Effective 09-17-20

"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 May 1, 2012

REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Nonsegregated Facilities
IV. Davis-Bacon and Related Act Provisions
V. Contract Work Hours and Safety Standards Act Provisions
VI. Subletting or Assigning the Contract
VII. Safety: Accident Prevention
VIII. False Statements Concerning Highway Projects
IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
X. Compliance with Governmentwide Suspension and Debarment Requirements
XI. Certification Regarding Use of Contract Funds for Lobbying

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. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements 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 shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

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. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor 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 contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. 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). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

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

a. All laborers and mechanics employed or working upon the site of the work, 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 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.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. 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 shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). 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 classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH–1321) shall 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.(1) The contracting officer shall 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 shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore 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 utilized 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) 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 shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. 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.

(3) 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 shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour 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.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall 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.

c. 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 shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. 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, 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.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, 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.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, 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 section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) 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 section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall 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. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b.(1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g. , the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division Web site at http://www.dol.gov/esa/whd/forms/wh347instr.htm or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed 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 Regulations, 29 CFR part 3;

(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 of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, 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 may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed 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 Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall 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 the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall 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, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. 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 IV. 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 journeymen 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.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 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.

9. Disputes concerning labor standards. 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 he or she) 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 section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

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

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

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 watchmen 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.

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. 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 watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of $10 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.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contacting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or 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, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

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

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” 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:

(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.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI 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. 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.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. 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 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.

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 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).

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).

VIII. 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 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 1, 1916, (39 Stat. 355), as amended and supplemented;

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

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

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

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.
2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. 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.

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.

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.

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.

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 and 1200. “First Tier Covered Transactions” refers to any covered transaction between a grantee or subgrantee 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 grantee or subgrantee 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.

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.

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. 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 Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

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. 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) 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;

(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; 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.

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

2. **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)

a. By signing and submitting this proposal, the prospective lower tier 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.

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 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 grantee or subgrantee 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 grantee or subgrantee 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.

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.

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 Excluded Parties List System website (https://www.epls.gov/), which is compiled by the General Services Administration.

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.

* * * * *

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

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

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

* * * * *

XI. 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 20).

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.

ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS

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 23 CFR 633.207(e) 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
Rev. 3-15-02
EEO AFFIRMATIVE ACTION REQUIREMENTS ON
FEDERAL & FEDERAL-AID CONSTRUCTION CONTRACTS

Federal-aid contractors are hereby notified they are subject to the OFCCP goals and timetables 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.

APPENDIX A

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 EACH TRADE	6.9%
TIMETABLES	GOALS FOR MINORITY PARTICIPATION IN EACH TRADE
153 Great Falls, MT	
SMSA (Standard Metropolitan Statistical Area) Counties	
3040 Great Falls, MT	3.2%
Cascade County	
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, Lincoln, Madison, Mineral, Lake Missoula, Powell, Ravalli, Sanders, Silver Bow	
155 Billings, MT	
SMSA Counties	
0880 Billings, MT	3.3%
Yellowstone County	
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	
Non-SMSA Counties	
Daniels, Sheridan, Richland, Roosevelt	4.4%

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 nonfederally 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.