



Department of Transportation

Rapid City Region Office

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December 31, 2019

ADDENDUM NO. 1

RE: January 9, 2020 Rapid City Region Office Informal Letting
000P-492, Fall River County, PCN i5gx
Cattle Pass Floor Leveling

TO WHOM IT MAY CONCERN:

The following addenda to the plans shall be inserted and made part of your proposal for the referenced project.

PROPOSAL:

- No change.

PLANS:

- Replace Sheet 2 with attached Sheet 2. Changed the note for Incidental Work (Repair Cattle Pass), to remove any reference to repair of joints in the cattle pass. Repair is only required on the lift ports of the cattle pass for the Incidental Work, (Repair Cattle Pass) contract item.

Sincerely,

John Rehorst
Region Design Engineer

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
250E0010	Incidental Work	Lump Sum	LS
462E0100	Class M6 Concrete	6.0	CuYd
491E0110	Abrasive Blasting of Bridge Deck	44.4	SqYd
634E0010	Flagging	100.0	Hour
634E0110	Traffic Control Signs	112.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications, and Special Provisions as included in the Proposal.

TRAFFIC CONTROL – GENERAL NOTES

Unless otherwise stated in these plans, no work will be allowed during hours of darkness.

Traffic Control Signs, as shown in the Estimate of Quantities, are estimates. Contractor's operation may require adjustments in quantities, either more or less. Payment will be for those signs actually ordered by the Engineer and used.

Non-applicable traffic control devices shall be completely covered or removed during periods of inactivity. Periods of inactivity shall be defined as no work taking place for a period of more than 48 hours.

If there is a discrepancy between the traffic control plans, standard plates, and the MUTCD, whichever is more stringent will be used, as determined by the Engineer.

All materials and equipment shall be stored a minimum distance of 30' from the traveled way during nonworking hours.

The Contractor shall provide installation details at the preconstruction meeting for all breakaway sign support assemblies.

All haul trucks shall be equipped with a second flashing amber light that is visible from the backside of the haul truck. The costs for the flashing amber lights shall be incidental to the various related contract bid items.

All construction operations shall be conducted in the general direction of traffic movement.

If there is a discrepancy between the traffic control plans, standard plates, and the MUTCD – whichever is more stringent shall be used, as determined by the Engineer.

All costs associated with the traffic control for mobile operation including signs, arrow panels and equipment shall be incidental to the contract lump sum price for "Traffic Control, Miscellaneous".

INVENTORY OF TRAFFIC CONTROL DEVICES

SIGN CODE	SIGN DESCRIPTION	EXPRESSWAY / INTERSTATE			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
W20-1	ROAD WORK AHEAD	2	48" x 48"	16.0	32.0
W20-4	ONE LANE ROAD AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	2	48" x 48"	16.0	32.0
G20-2	END ROAD WORK	2	48" x 24"	8.0	16.0
EXPRESSWAY / INTERSTATE TRAFFIC CONTROL SIGNS SQFT					112.0

INCIDENTAL WORK (REPAIR CATTLE PASS)

The cattle pass lift ports shall be repaired in accordance with the Chemical Grout Manufacturer's directions to prevent future infiltration/exfiltration of soils and water.

The cattle pass lift ports will be repaired with a sealant comprised of water reactive hydrophilic polyurethane resin and dry oil free oakum. All grout will be injected under such pressure so as not to damage the existing drainage structure or roadway structure.

The Contractor shall submit to the Engineer for approval a detailed procedure for the installation of the polyurethane grout.

The work shall include, but is not limited to sealing each cattle pass lift port with a hydrophilic polyurethane grout meeting the following specifications:

GEL FOAM II (Saturated Oakum Rope Joint Packing) as manufactured by Green Mountain International, LLC or equal.

ULTRA (Single Component Grout for Joint Injection) as manufactured by Green Mountain International, LLC or equal.

Excess grout and oakum shall be trimmed from the interior face of the port prior to applying the UV Protection (Gel Coat). The epoxy gel coat compound shall be as recommended by the Manufacturer for both surface sealing and protecting the hydrophilic grout from UV exposure. The epoxy gel compound shall be mixed and handled in accordance with the Manufacturer's recommendations and shall meet the following requirements:

Epoxy gel sealant compounds manufactured by Green Mountain Grouts, LLC or equal.

All costs for all equipment, material and labor required to complete the work shall be incidental to the contract lump sum price for Incidental Work. Completion of the work includes initial saturated oakum rope packing of each lift port, follow up injection of grout into the back side of each lift port, trimming the excess grout and oakum from the interior face of the lift port, application of the epoxy gel coat and site clean-up.

ABRASIVE BLASTING OF CATTLE PASS

1. The entire cattle pass floor shall be thoroughly cleaned by abrasive blast cleaning to the satisfaction of the Engineer.
2. Upon completion of the abrasive blasting, the cattle pass floor shall be blown clean with dry compressed air to remove all dust and debris.
3. Cleaning by abrasive blasting and compressed air shall be done no more than 24 hours prior to the placement of the M6 Concrete Overlay. In the event that the M6 Concrete Overlay is not placed within 24 hours of abrasive blast cleaning or in the event of rain or other inclement weather contaminating the surface, the surface shall be re-cleaned by abrasive blast cleaning and dry compressed air.
4. Access to the cattle pass shall be restricted once the floor has been cleaned and prepared for application of the M6 Concrete Overlay.
5. Abrasive Blasting of the cattle pass will be measured to the nearest 0.1 foot and the area computed to the nearest 0.1 square yard. Abrasive Blasting of the cattle pass will be paid for at the contract unit price per square yard. Payment will be full compensation for all labor, equipment, materials, and all incidental work required to clean the cattle pass floor.
6. The Contractor will be responsible for cleaning up and disposing of all blast media in an approved offsite location.