

## Department of Transportation

### Rapid City Region Office

2300 Eglin Street

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March 30, 2021

### **ADDENDUM NO. 1**

RE: April 8, 2021 Rapid City Region Office Informal Letting  
016E-452, Pennington County, PCN i6cm  
Remove Runaway Truck Ramp on 16E in Rapid City

### **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:**

- A revised DOT-123 will be issued to Prospective Bidders for changing the quantity of Type 3 Turf Reinforcement Mat

### **PLANS:**

- Please replace sheets 2, 4, and 11 with the attached. The Contractor Furnished Topsoil note was revised and the Type 3 Turf Reinforcement Mat was changed to 16' wide.

Sincerely,

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John Rehorst  
Region Design Engineer

Revised 3/24/21 GDS

**UTILITIES**

The Contractor will contact the involved utility companies through South Dakota One Call (1-800-781-7474) prior to starting work. It will be the responsibility of the Contractor to coordinate work with the utility owners to avoid damage to existing facilities.

If utilities are identified near the improvement area through the SD One Call Process as required by South Dakota Codified Law 49-7A and Administrative Rule Article 20:25, the Contractor will contact the Project Engineer to determine modifications that will be necessary to avoid utility impacts.

**GRADING OPERATIONS**

The Contractor will excavate to construct the ditch in accordance with the cross sections.

Excavated granular material will be blended with clay excavation material and placed as per the cross sections on these plans. This work will be paid as Undercut.

Payment for all excavation items listed in the Table of Excavation will be plans quantity.

Water for Embankment is estimated at the rate of 10 gallons of water per cubic yard of Embankment

The estimated quantity of Water for Embankment is 9.4 MGal. No separate payment will be made for the Water for Embankment and all costs associated will be incidental to the contract unit price per cubic yard of Unclassified Excavation.

**SHRINKAGE FACTOR:** Embankment +25%

**TABLE OF EXCAVATION**

	(CuYd)
Unclassified Excavation	745
Undercut	670
<b>Total</b>	<b>1415</b>
Embankment for Shaping Ditch	133
Embankment for Undercut	837
Excess material to be hauled off the Project	445
<b>Total</b>	<b>1415</b>

**SEQUENCE OF OPERATIONS**

The Contractor will submit a sequence of operations for approval two weeks prior to the preconstruction meeting.

**GENERAL TRAFFIC CONTROL**

Existing guide, route, informational logo, regulatory, and warning signs will be temporarily reset and maintained during construction. Removing, relocating, covering, salvaging, and resetting of existing traffic control devices, including delineation, will be the responsibility of the Contractor. Cost for this work will be incidental to the contract unit prices for the various items unless otherwise specified in the plans. Any delineators and signs damaged or lost will be replaced by the Contractor at no cost to the State.

All temporary traffic control sign locations will be set in the field by the Contractor and verified by the Engineer prior to installation.

All temporary speed limit signs will have a minimum mounting height of 5 feet in rural locations, even when mounted on portable supports.

All construction operations will 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 will be used, as determined by the Engineer.

Unless otherwise stated in these plans, work will not 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.

Fixed location signing placed more than 4 calendar days prior to the start of construction will be covered or laid down until the time of construction. The covers must be approved by the Engineer prior to installation. The cost of materials, labor, and equipment necessary to complete this work will be incidental to other contract items. No separate payment will be made.

All fixed location signs, sign posts, and breakaway bases will be removed within 7 calendar days following pavement marking.

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

The Contractor will furnish, install, maintain, and remove TRUCK CROSSING (W8-6) signs daily. The TRUCK CROSSING signs will be displayed always when haul vehicles are hauling material. When hauling conditions no longer exist, the signs will be covered or removed from view. The exact number and location will be determined during construction. Payment for additional signs will be based on the contract unit price per square foot for Traffic Control Signs.

Construction vehicles will exit or enter the construction work zone at locations identified by the Engineer. At no time will construction vehicles utilize the maintenance crossovers or the Interstate median to exit or enter Interstate traffic.

**INVENTORY OF TRAFFIC CONTROL DEVICES**

SIGN CODE	SIGN DESCRIPTION	EXPRESSWAY / INTERSTATE			
		NUMBER	SIGN SIZE	SQFT PER SIGN	SQFT
W4-2	LEFT or RIGHT LANE ENDS (symbol)	2	48" x 48"	16.0	32.0
W20-1	ROAD WORK AHEAD	3	48" x 48"	16.0	48.0
W20-5	LEFT or RIGHT LANE CLOSED AHEAD	2	48" x 48"	16.0	32.0
W20-7	FLAGGER (symbol)	1	48" x 48"	16.0	16.0
W21-5	SHOULDER WORK	1	48" x 48"	16.0	16.0
<b>EXPRESSWAY / INTERSTATE DETOUR AND RESTRICTION SIGNING SQFT</b>					<b>144.0</b>

**CONTRACTOR FURNISHED TOPSOIL**

It is anticipated that a larger volume of topsoil will be needed for the new grade than can be salvaged from the existing grade. The Contractor will be required to furnish and place 4 inches of topsoil on roadway inslopes and areas as determined by the Engineer during construction.

Contractor furnished topsoil will be free from stones, coarse gravel, or similar objects larger than 3/4 inch in diameter. Brush, stumps, roots, wood, objectionable weeds, litter, or any other material which may be harmful to plant growth will not be allowed. Organic material will be decomposed.

All costs to furnish and place the Contractor furnished topsoil will be incidental to the contract unit price per cubic yard for Contractor Furnished Topsoil.

**FERTILIZING**

A commercial fertilizer with a minimum guaranteed analysis of 18-46-0, will be applied to all areas designated for permanent seeding. The application rate of fertilizer will be 200 pounds per acre.

**PERMANENT SEEDING**

The areas to be seeded consist of all newly graded areas within the project limits except for the top of roadways and temporary easements under cultivation.

Type F Permanent Seed Mixture will consist of the following:

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/Acre)
Western Wheatgrass	Arriba, Flintlock, Rodan, Rosana, Walsh	27
Green Needlegrass	Lodorm, AC Mallard Ecovar	15
Sideoats Grama	Butte, Pierre	12
Blue Grama	Bad River	8
Oats or Spring Wheat: April through May; Winter Wheat: August through November		38
<b>Total:</b>		<b>100</b>

## ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E0130	Remove Traffic Sign	3	Each
110E0135	Remove Delineator	10	Each
110E1010	Remove Asphalt Concrete Pavement	366.0	SqYd
110E1700	Remove Silt Fence	48	Ft
110E7150	Remove Sign for Reset	3	Each
110E7152	Remove Delineator for Reset	7	Each
120E0010	Unclassified Excavation	745	CuYd
120E2000	Undercutting	670	CuYd
230E0020	Contractor Furnished Topsoil	575	CuYd
632E2100	Reset Delineator	7	Each
632E3500	Reset Sign	3	Each
634E0010	Flagging	20.0	Hour
634E0110	Traffic Control Signs	144.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0420	Type C Advance Warning Arrow Board	1	Each
730E0210	Type F Permanent Seed Mixture	107	Lb
731E0100	Fertilizing	214	Lb
732E0250	Fiber Mulching	3,206	Lb
734E0133	Type 3 Turf Reinforcement Mat	711.0	SqYd
734E0154	12" Diameter Erosion Control Wattle	300	Ft
734E0604	High Flow Silt Fence	48	Ft
734E0610	Mucking Silt Fence	3	CuYd
734E0620	Repair Silt Fence	12	Ft

## SPECIFICATIONS

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

## ENVIRONMENTAL COMMITMENTS

The SDDOT is committed to protecting the environment and uses Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. During construction, the Project Engineer will verify that the Contractor has met Environmental Commitment requirements. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf>

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

Once construction is complete, the Project Engineer will review all environmental commitments for the project and document their completion. Agency coordination is necessary.

## COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

### COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

#### Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pits, or staging areas associated with the project, cease construction activities in the affected area until the Whooping Crane departs and immediately contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

### COMMITMENT B4: BALD EAGLE

Bald eagles are known to occur in this area.

#### Action Taken/Required:

If a nest is observed within one mile of the project site, notify the Project Engineer immediately so that he/she can consult with the Environmental Office for an appropriate course of action.

### COMMITMENT C: WATER SOURCE

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species waters within South Dakota without prior approval from the SDDOT Environmental Office. Thoroughly wash all construction equipment to prevent and control the introduction and spread of invasive species into the project vicinity.

#### Action Taken/Required:

The Contractor will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Environment and Natural Resources (DENR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Additional information and mapping of Aquatic Invasive Species in South Dakota can be accessed at: <http://sdleastwanted.com/maps/default.aspx>.

## COMMITMENT E: STORM WATER

Construction activities constitute 1 acre or more of earth disturbance and/or work in a waterway.

#### Action Taken/Required:

The DENR General Permit for Stormwater Discharges Associated with Construction Activities is required for construction activity disturbing one or more acres of earth and work in a waterway. The SDDOT is the owner of this permit and will submit the NOI to DENR 15 days prior to project start in order to obtain coverage under the General Permit. Work can begin once the DENR letter of approval is received.

The Contractor must adhere to the "Special Provision Regarding Storm Water Discharges to Waters of the State."

The Contractor will complete the DENR Contractor Certification Form prior to the pre-construction meeting. The form certifies under penalty of law that the Contractor understands and will comply with the terms and conditions of the permit for this project. Work may not begin on this project until this form is signed and submitted to DENR.

The form can be found at: <https://denr.sd.gov/des/sw/eforms/CGPAppendixCCA2018Fillable.pdf>

The Contractor is advised that permit coverage may also be required for off-site activities, such as borrow and staging areas, which are the responsibility of the Contractor.

The Contractor must adhere to the "Special Provision Regarding Storm Water Discharge to Waters of the United States within Indian Reservations".

The Contractor is advised that permit coverage may also be required for off-site activities, such as borrow and staging areas, which are the responsibility of the Contractor.

### Storm Water Pollution Prevention Plan

The Storm Water Pollution Prevention Plan (SWPPP) will be developed prior to the submittal of the NOI and will be implemented for all construction activities for compliance with the permit. The SWPPP must be kept on-site and updated as site conditions change. Erosion control measures and best management practices will be implemented in accordance with the SWPPP.

The DOT 298 Form will be used for site inspections and to document changes to the SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents and retained for a minimum of three years.

The inspection will include disturbed areas of the construction site that have not been finally stabilized, areas used for storage materials, structural control measures, and locations where vehicles enter or exit the site. These areas will be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the SWPPP will be observed to ensure that they are operating correctly, and sediment is not tracked off the site.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	016 E-452	11	22

Plotting Date: 03/30/2021 Revised 3/30/21 GDS

Station 6+58 - 43.1' R  
Remove Delineator  
(Red Reflector)

Station 7+22 - 44.1' R  
Remove Delineator  
(Red Reflector)

Station 8+37 - 46.9' R  
Remove Delineator  
(Red Reflector)

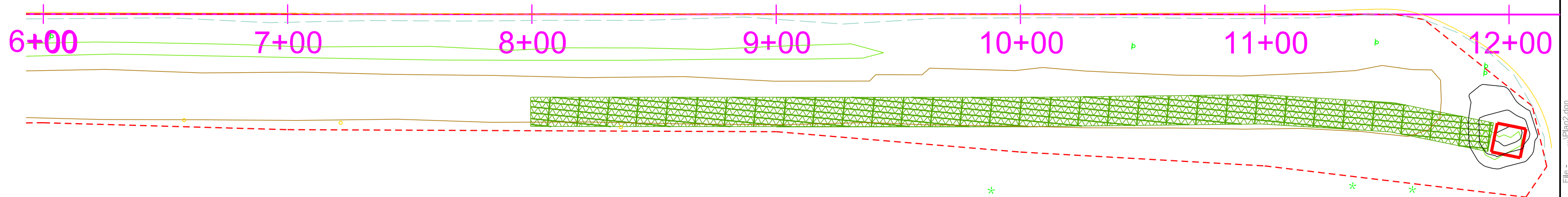
Station 6+03 - 9.2' R  
Remove sign for reset.  
Reset Sign  
(LEFT CURVE)

Station 10+47 - 12.8' R  
Remove sign for reset.  
Reset Sign  
(RIGHT LANE MUST TURN RGHT)

Station 11+46 - 11.0' R  
Remove sign for reset.  
Reset Sign  
(RIGHT LANE MUST TURN RGHT)

Install 48' Low Flow Silt Fence  
around culvert inlet

Station 8+00 to culvert inlet  
Install 711 SqYd Type 3 Turf reinforcement Mat  
16' wide



 Low Flow Silt Fence

 Type 3 Turf Reinforcement Mat

Plot Scale - 1:40

Plotted From - TRRC12608

File - ...Plan2.dgn