



Department of Transportation

Rapid City Region Office

2300 Eglin Street

P.O. Box 1970

Rapid City, SD 57709-1970

Phone: 605/394-2244

FAX: 605/394-1904

December 2, 2019

ADDENDUM NO. 1

RE: December 4, 2019 Rapid City Region Office Informal Letting
016A-491, Custer County, PCN i5tt
Crosswalk – Rectangular Rapid Flashing Beacons

TO WHOM IT MAY CONCERN:

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

The letting date is changed from Tuesday, Dec. 3, 2019 to Thursday Dec. 5, 2019 at 1:00 pm (MT) at the SD Department of Transportation, Rapid City Regional Office.

PROPOSAL:

- Replace DOT-123 with attached DOT-123.

PLANS:

- Replace Sheet 2 and 3 with attached Sheets 2 and 3. The bid item and plan note for Miscellaneous, Electrical was removed from the plans.

Sincerely,

John Rehorst
Region Design Engineer

**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION
CONTRACT PROPOSAL**

DOT-123
March 2017
1 of 2

CODE	PROJECT			MAINT UNIT	CONTROL REFERENCE	AFE	FUNCTION	BEGIN MRM	END MRM
	PRE	ROUTE	AGR						
		016A		491		i5tt	2490	0229	0229

CITY AND/OR COUNTY: Custer County BUDGET SOURCE: FY 20 Cont. Maint.

REGION MATERIALS CERTIFICATION REQUIRED: YES NO
 CERTIFIED INSPECTORS/TESTERS REQUIRED: YES NO
 TO BE INSTALLED ON CM&P: YES NO

TYPE, PURPOSE AND LOCATION OF WORK: Crosswalk-Rectangulr Rapid Flashing Beacons on Hwy 16A in Custer

ESTIMATE OF QUANTITIES AND COST

BID ITEM NUMBER	ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
009E0010	Mobilization	Lump Sum	LS	Lump Sum	
110E0130	Remove Traffic Sign	2	Each		
633E0030	Cold Applied Plastic Pavement Marking, 24"	54	Ft		
633E5051	Surface Preparation for Pavement Marking	108	SqFt		
634E0110	Traffic Control Signs	105	SqFt		
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS	Lump Sum	
634E0410	Type B Advance Warning Arrow Board	2	Each		
635E2000	Pedestal Signal Pole	2	Each		
635E5020	2' Diameter Footing	12	Ft		
635E5301	Type 1 Electrical Junction Box	2	Each		
635E5910	Pedestrian Push Button Pole	2	Each		
635E5980	Rectangular Rapid Flashing Beacon System	1	Each		
635E8120	2" Rigid Conduit, Schedule 40	50	Ft		
635E8220	2" Rigid Conduit, Schedule 80	70	Ft		
635E9016	1/C #6 AWG Copper Wire	180	Ft		
635E9502	2/C #14 AWG Copper Tray Cable, K2	88	Ft		
635E9506	6/C #14 AWG Copper Tray Cable, K2	102	Ft		
TOTAL					

CONTRACTOR'S PROPOSAL STATEMENT

The undersigned does hereby agree to furnish the labor and/or material in the quantities, at the unit price, for the purpose, in the place and in accordance with attached provisions upon approval of this Proposal by the State Transportation Commission. This document becomes the Contract when signed by the Contractor and a Department of Transportation Representative. The Contractor agrees to provide services in compliance with the Americans with Disabilities Act of 1990. The Contractor agrees to provide a certificate of insurance prior to commencing work, for liability coverage for the duration of the work as per the current edition of the SDDOT Standard Specifications for Roads and Bridges.

SUBSTANTIAL COMPLETION DATE <u>N/A</u> FIELD WORK COMPLETION DATE <u>May 25, 2020</u> SUBSCRIBED AND SWORN TO BEFORE ME THE _____ DAY OF _____, 20__ _____ _____ NOTARY - My Commission Expires _____ (SEAL)	PROPOSED START DATE _____ SIGNATURE _____ PRINTED NAME _____ COMPANY _____ STR. ADDRESS _____ CITY, STATE, ZIP _____ FEDERAL TAX ID NUMBER _____
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**SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION
CONTRACT PROPOSAL**

DOT-123
March 2017
2 of 2

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TO BE FILLED OUT BY STATE PERSONNEL:

RECOMMENDED FOR APPROVAL:

CONSTRUCTION & MAINTENANCE ENGINEER

DATE

REGION ENGINEER

DATE

DIRECTOR OF OPERATIONS

DATE

APPROVED FOR THE TRANSPORTATION COMMISSION

NAME _____

TITLE _____

DATE _____

APPROVED as per Federal Highway Stewardship Provisions this _____ day of _____, 20__.

PROJECT DEVELOPMENT ENGINEER

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E0130	Remove Traffic Sign	2	Each
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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 Section A - 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. 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: <http://www.sddot.com/resources/Manuals/EnvironProcManual.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 Office at 605-773-3098 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

COMMITMENT H: WASTE DISPOSAL SITE

The Contractor will furnish a site(s) for the disposal of construction and/or demolition debris generated by this project.

Action Taken/Required:

Construction and/or demolition debris may not be disposed of within the Public ROW.

The waste disposal site(s) will be managed and reclaimed in accordance with the following from the General Permit for Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) will not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Environmental Office and the Project Engineer. If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements will apply:

- Construction and/or demolition debris consisting of concrete, asphalt concrete, or other similar materials will be buried in a trench completely separate from wood debris. The final cover over the construction and/or demolition debris will consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the Public ROW will be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor will control the access to waste disposal sites not within the Public ROW with fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".
- Concrete and asphalt concrete debris may be stockpiled within view of the ROW for a period of time not to exceed the duration of the project. Prior to project completion, the waste will be removed from view of the ROW or buried, and the waste disposal site reclaimed as noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) will be incidental to the various contract items.

COMMITMENT I: HISTORICAL PRESERVATION OFFICE CLEARANCES

State Historical Preservation Office (SHPO or THPO) concurrence has not been obtained for this project.

Action Taken/Required:

All earth disturbing activities not designated within the plans require a cultural resource review prior to scheduling the pre-construction meeting. This work includes but is not limited to: Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas.

The Contractor will arrange and pay for a record search and when necessary, a cultural resource survey. The Contractor has the option to contact the state Archaeological Research Center (ARC) at 605-394-1936 or another qualified archaeologist, to obtain either a records search or a cultural resources survey. A record search might be sufficient for review if the site was previously surveyed; however, a cultural resources survey may need to be conducted by a qualified archaeologist.

The Contractor will provide ARC with the following: a topographical map or aerial view of which the site is clearly outlined, site number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that artifacts have not been found on the site.

The Contractor will submit the cultural resources survey report to SDDOT Environmental Office, 700 East Broadway Avenue, Pierre, SD 57501-2586. SDDOT will submit the information to the appropriate SHPO/THPO. Allow **30 Days** from the date this information is submitted to the Environmental Engineer for SHPO/THPO review.

In the event of an inadvertent discovery of human remains, funerary objects, or if evidence of cultural resources is identified during project construction activities, then such activities will immediately cease, and the Project Engineer will be immediately notified. The Project Engineer will contact the SDDOT Environmental Office to determine an appropriate course of action.

The Contractor is responsible for obtaining any additional permits and clearances for Contractor furnished material sources, material processing sites, stockpile sites, storage areas, plant sites, and waste areas that affect wetlands, threatened and endangered species, or waterways. The Contractor will not utilize a site known or suspected of having contaminated soil or water. The Contractor will provide the required permits and clearances to the Project Engineer at the preconstruction meeting.

SCOPE OF WORK

The work on this project includes, but is not limited to, furnishing and installing new rectangular rapid flashing beacons, aluminum signs, pedestal poles, foundations, pedestrian push buttons and pedestrian push button poles; and associated electrical work.

PERMANENT SIGNING

The Contractor will furnish all signs, posts, stiffeners, bases, hardware, equipment and labor for installation of permanent signs in size, type, and quantity as shown in these plans and/or as required by the Engineer.

The Contractor will stake the signs and the Engineer will verify the location prior to installation. The lateral distance from the roadway and the height of the sign will be established by the Contractor according to the sign detail in the plans and the MUTCD.

REMOVE TRAFFIC SIGN

The 2 - Pedestrian Crossing Symbol (W 11-2) and the 2 – Downward Diagonal Arrow (W 16-7p) signs and existing posts at the Mickelson Trail crosswalk will be removed and will become the property of the Contractor. Payment for all existing signs to be removed will include all cost for labor and equipment necessary to remove and dispose of the signs and posts will be included in the contract unit price per each for Remove Traffic Signs.

HARDWARE

Aluminum U-Channel stiffeners will be used on all standard highway signs 36" and greater in width and will conform to ASTM B221 Alloy 6063-T6 or 6061-T6. The U-Channel will be 2 inches in width and free of holes. The U-Channel stiffeners will also be used to connect various signs and perforated tube posts together so that an entire sign can be erected as a single installation. Stiffeners may be fastened to signs by use of 1/4" drive rivets with a minimum of one on each end and one centered between each post. Installation of the stiffeners will be incidental to other contract items.

SUPPLYING AS BUILT PLANS

If the traffic signal systems are constructed differently than what is stated in the plans, the Contractor will supply as built plans to the Engineer and a copy will be sent to the Traffic Design Engineer. The as built plans may include conduit layouts, wiring diagrams, or other drawings depicting the changes from the original plans.

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.

WIRE SPLICING FOR LIGHTING

All wire splices for lighting will be made using TE Connectivity GTAP connectors, NSI Industries Polaris Blue connectors, or an approved equal.

PEDESTAL SIGNAL POLES

Pedestal signal poles may be aluminum. Aluminum poles will conform to the following requirements:

Aluminum will conform to ASTM B221, Alloy 6061, and Temper T6.

Poles will be round with a minimum outside pole diameter of 4 inches, and the pole assembly will have a square, cast aluminum base with aluminum access door. The base will conform to the breakaway requirements of NCHRP 350 or MASH. A grounding lug will be provided in the base.

The pole to base connection will be a threaded connection; threads will be 8 TPI, NPT. A collar (integral or non-integral) to prevent wind-induced loosening of pole will be provided. All bolt and connection threads will be coated with a commercially available anti-seize compound intended for use in aluminum-to-aluminum and steel-to-aluminum connections.

The pole finish will either be brushed satin or spun. The top of the pole will be sealed by the traffic signal head mounting hardware or by an aluminum cap.

Measurement and payment for aluminum poles will be as specified in Specifications Section 635.

PEDESTRIAN PUSH BUTTON POLE

Pedestrian push button poles will be one of the following types, or an approved equal:

<u>Product</u>	<u>Manufacturer</u>
Crosswalk Pedestal CP6ACT4840TCSS	Frey Manufacturing Corp. Norwood, MN 55368-9675 Phone: 1-952-467-4402 www.freymfgcorp.com
Ped Poles SP-3022-NY-SP0001	Pelco Products, Inc Edmond, OK 73013 Phone: 1-405-340-3434 www.pelcoinc.com

TABLE OF FOOTING DATA

Site Designation	Footing Diameter	* Footing Depth	**Spiral Diameter	**Spiral Length	Vertical Reinforcement
C1, C2	2' - 0"	6' - 0"	1' - 8"	44' - 3"	8-#7 x 5' - 6"

* Footing depth will be below ground level.

** The size of all spirals will be #3.

CONCRETE FOOTINGS

The exposed portion of concrete footings will be formed to provide a uniform diameter section and half-inch chamfer on the grout pad as shown on the footing details. The amount of exposed concrete footings, anchor bolts, or slip bases on the up-slope side of the footing will not be greater than 4 inches as shown on the footing details.

Excavation for footings will be accomplished from off the roadway and shoulders where feasible. The excavation areas will be covered if not filled by nightfall. Concrete will be placed within 24 hours of excavation.

TYPE 1 ELECTRICAL JUNCTION BOX

Junction box - JB1 will be placed to intercept the existing 2" lighting system conduit as shown on the plans. The existing conduits will be located, exposed, and modified to properly enter the new junction box. The Contractor will disconnect, gently pull back the existing wires from the existing decorative light located at 8+86-35'Lt, splice on new wires for RRFB system, and reconnect wiring to the decorative light.

All costs associated with exposing the existing conduit, modifying the existing conduit and wiring, and placing the new junction box will be incidental to the contract unit price per each for "Type 1 Electrical Junction Box."