DEPARTMENT OF TRANSPORTATION

Planning & Engineering
Office of Project Development
700 E Broadway Avenue
Pierre, South Dakota 57501-2586
O: 605.773.3275 | F: 605.773.2614
dot.sd.gov

July 11, 2025

ADDENDUM NO. 1

RE: Item 2 – 07/16/2025 Letting – BRO-B 8007(212), PCN 084J, Brown County – Structure Replacement

TO WHOM IT MAY CONCERN:

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

SPECIAL PROVISIONS: NO CHANGE

PLANS: Please destroy sheets 2, 10, & 15 and replace with the enclosed sheets, dated 07/11/2025.

Sheet 2: The Remove Asphalt Concrete Pavement bid item was added to the ESTIMATE OF QUANTITIES.

Sheet 10: The REMOVE ASPHALT CONCRETE PAVEMENT note was added.

Sheet 15: The Typical Section was revised to show that Brown County is responsible for the 9" gravel base.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/rb

CC: Mark Peterson, Aberdeen Region Engineer
Lane Goldsmith, Aberdeen Area Engineer

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	BRO-B 8007(212)	2	64

Rev 07/11/2025 BRA

Grading

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	0.157	Mile
009E3250	Miscellaneous Staking	0.157	Mile
009E3280	Slope Staking	0.157	Mile
009E3290	Structure Staking	1	Each
009E3301	Engineer Directed Surveying/Staking	10.0	Hour
100E0100	Clearing	Lump Sum	LS
110E1010	Remove Asphalt Concrete Pavement	1,723.0	SqYd
110E1700	Remove Silt Fence	200	Ft
120E0010	Unclassified Excavation	298	CuYd
120E0600	Contractor Furnished Borrow Excavation	2,630	CuYd
230E0010	Placing Topsoil	140	CuYd
630E1010	Straight Class A W Beam Guardrail with Wood Posts	612.5	Ft
630E1050	Straight Class B W Beam Guardrail with Wood Posts	50.0	Ft
630E1150	Straight Double Class B W Beam Guardrail with Wood Posts	50.0	Ft
630E2020	W Beam Guardrail Tangent End Terminal	4	Each
632E2220	Guardrail Delineator	23	Each
634E0110	Traffic Control Signs	77.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	8	Each
634E1002	Detour and Restriction Signing	275.0	SqFt
700E0210	Class B Riprap	1,132.0	Ton
734E0010	Erosion Control	Lump Sum	LS
734E0154	12" Diameter Erosion Control Wattle	200	Ft
734E0165	Remove and Reset Erosion Control Wattle	50	Ft
734E0325	Surface Roughening	0.1	Acre
734E0602	Low Flow Silt Fence	1,000	Ft
734E0610	Mucking Silt Fence	56	CuYd
734E0620	Repair Silt Fence	200	Ft
734E0630	Floating Silt Curtain	1,030	Ft
831E0110	Type B Drainage Fabric	1,213	SqYd

Structure No. 07-019-020

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
009E5000	Concrete Penetrating Sealer	352.4	SqYd
120E7000	Select Granular Backfill	16.4	Ton
250E0030	Incidental Work, Structure	Lump Sum	LS
410E2600	Membrane Sealant Expansion Joint	51.8	Ft
420E0100	Structure Excavation, Bridge	337	CuYd
430E0200	Bridge End Embankment	95	CuYd
430E0300	Granular Bridge End Backfill	42.3	CuYd
430E0510	Approach Slab Underdrain Excavation	1.9	CuYd
460E0030	Class A45 Concrete, Bridge Deck	197.9	CuYd
460E0050	Class A45 Concrete, Bridge	182.4	CuYd
460E0150	Concrete Approach Slab for Bridge	117.7	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	25.9	SqYd
470E0420	Type T101 Bridge Railing	234	Ft
480E0100	Reinforcing Steel	22,070	Lb
480E0200	Epoxy Coated Reinforcing Steel	51,572	Lb
510E0300	Preboring Pile	80	Ft
510E3361	HP 10x42 Steel Test Pile, Furnish and Drive	195	Ft
510E3365	HP 10x42 Steel Bearing Pile, Furnish and Drive	1,365	Ft
680E0040	4" Underdrain Pipe	118	Ft
680E2500	Porous Backfill	3.5	Ton
700E0210	Class B Riprap	1,677.3	Ton
700E1100	Overburden Excavation for Riprap	883	CuYd
831E0110	Type B Drainage Fabric	2,151	SqYd
831E1030	Perforated Geocell	468	SqFt

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.

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
14659
BLAKE R. AHLERS
SOUTH DAKOTA
07/11/2025

EROSION CONTROL WATTLE

Erosion control wattles for restraining the flow of runoff and sediment will be installed at locations noted in the table and at locations determined by the Engineer during construction. Refer to Standard Plate 734.06 for details.

The Contractor will provide certification that the erosion control wattles do not contain noxious weed seeds.

Erosion control wattles will remain on the project to decompose.

A quantity of 12" Diameter Erosion Control Wattles has been added to the Estimate of Quantities for temporary erosion and sediment control in highway ditch channels and as an alternative to low flow or high flow silt fence at wetland areas adjacent to the highway.

The erosion control wattle provided will be from the approved product list. The approved product list for erosion control wattle may be viewed at the following internet site:

http://apps.sd.gov/HC60ApprovedProducts/main.aspx

TABLE OF EROSION CONTROL WATTLE

Station	Location	Diameter (Inch)	Quantity (Ft)
TBD by Engineer	Additional Quantity:	12	200
		Total:	200

LOW FLOW SILT FENCE

The low flow silt fence fabric provided will be from the approved product list. The approved product list for low flow silt fence may be viewed at the following internet site:

http://apps.sd.gov/HC60ApprovedProducts/main.aspx

Low flow silt fence will be placed at the locations noted in the table and at locations that will minimize siltation of adjacent streams, lakes, dams, or drainage areas as determined by the Engineer during construction. Refer to Standard Plate 734.04 for details.

TABLE OF LOW FLOW SILT FENCE

Station	Location	Quantity (Ft)
6+00 L to 8+25 L	Perimeter control	225
6+00 L to 9+00 L	Perimeter control	300
11+55 R to 14+30 R	Perimeter control	275
12+30 R to 14+30 R	Perimeter control	200
	Total:	1000

FLOATING SILT CURTAIN

Floating silt curtains will be installed at locations noted in the table, if applicable, and at locations determined by the Engineer during construction.

The Contractor will determine the water depth and other waterway characteristics such as stream flow velocity and seek technical advice from the manufacturer before ordering the floating silt curtain so that the floating silt curtain installed is the correct type for the individual sites.

The Contractor will install the floating silt curtain in accordance with the manufacturer's installation instructions or as directed by the Engineer.

The Contractor will maintain the floating silt curtains for the duration of the project to ensure continuous protection of the waterway.

A list of known manufacturers of floating silt curtain is shown below for informational purpose. Contractors may also use Engineer approved floating silt curtain from manufacturers that are not included in the list.

ABASCO, LLC
Humble, TX
Phone: 1-281-466-1500
www.abasco.net

ACME Environmental
Tulsa, OK
Phone: 1-855-563-2666
www.acmeboom.com

Elastec/American Marine, Inc.
Carmi, IL
Phone: 1-618-382-2525
www.turbiditycurtains.com

Parker Systems, Inc.
Chesapeake, VA
Phone: 1-866-472-7537
www.parkersystemsinc.com

Aer-Flo, Inc.
Bradenton, FL
Phone: 1-800-823-7356
www.aerflo.com

ENVIRO-USA, LLC
Cap Canaveral, FL
Phone: 1-321-222-9551
www.enviro-usa.com

Geo-Synthetics, LLC (GSI)
Waukesha, WI
Phone: 1-800-444-5523
www.geosynthetics.com

TABLE OF FLOATING SILT CURTAIN

Station	Location	Quantity (Ft)
8+00 – 10+30 L	Along shoreline	280
7+15 – 10+30 R	Along shoreline	340
11+00 – 12+50 L	Along shoreline	205
11+00 – 12+50 R	Along shoreline	205
	Total:	1030

TABLE OF ROADWAY RIPRAP

Station	Location	Quantity (TON)
8+00.00 to 9+67.50 L	Inslope	380
8+25.00 to 9+67.50 R	Inslope	312
11+51.50 to 12+20 L	Inslope	192
11+51.50 to 12+20 R	Inslope	242
	Total:	1132

TYPE B DRAINAGE FABRIC

Type B Drainage Fabric will be installed at all locations where Riprap is to be installed. Type B Drainage Fabric will be installed directly under the Riprap. The Type B Drainage Fabric will be held in place with sandbags or other weights determined by the Engineer during construction until riprap is placed.

All costs associated with installing Type B Drainage Fabric including equipment, labor, and materials will be incidental to the contract unit price per SqYd for "Type B Drainage Fabric."

REMOVE ASPHALT CONCRETE PAVEMENT

An estimated 1723 Square Yards of the in-place asphalt concrete surfacing will be removed from the existing highway and become property of the Contractor for disposal. In-place granular material will be removed as unclassified excavation in cut sections and in-place granular material will remain in place in fill sections.

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
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SOUTH DAKOTA
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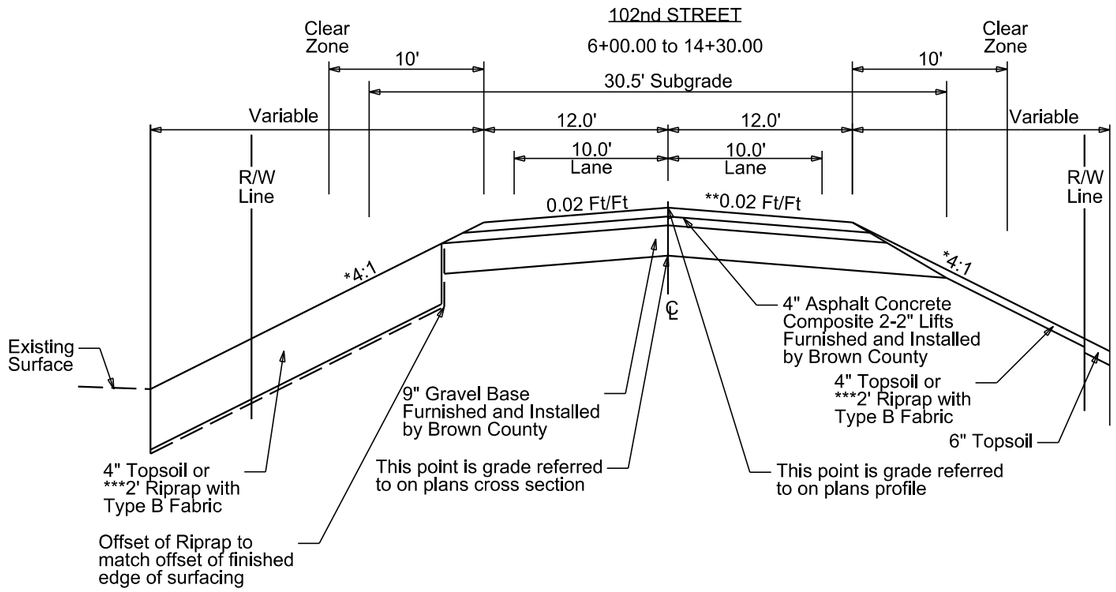
	BRO-B 8007(212)	15	64

Plotting Date: 7/11/2025
Rev 7/11/2025 BRA

TYPICAL GRADING SECTION



*Transitions of inslope at the following locations:

6+00.00 to 6+25.00 R - Existing to 4:1
6+00.00 to 6+25.00 L - Existing to 4:1
6+25.00 to 8+25.00 R - 4:1 to 2:1
6+25.00 to 8+00.00 L- 4:1 to 2:1
8+25.00 to 9+98.50 R - 2:1
8+00.00 to 9+98.50 L- 2:1
11+19.00 to 12+30.00 R - 2:1 to 3:1
11+19.00 to 12+20.00 L - 2:1 to 3:1
12+30.00 to 14+30.00 R - 3:1 to Existing
12+20.00 to 14+30.00 L - 3:1 to Existing

**Transition of cross slope at the following locations:

6+00.00 to 7+00.00 R - Existing to 2%

***Riprap Limits

8+25.00 to 9+67.50 R
8+00.00 to 9+67.50 L
9+67.50 to 11+51.50 R (Refer to Structural plans)
9+67.50 to 11+51.50 L (Refer to Structural plans)
11+51.50 to 12+20.00 R
11+51.50 to 12+20.00 L

REGISTERED PROFESSIONAL ENGINEER
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NORTH DAKOTA
07/11/2025

HRGreen