



Planning & Engineering
Office of Project Development
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dot.sd.gov

March 17, 2025

ADDENDUM NO. 1

**RE: Item #3, March 19, 2025 Letting - NH 0018(231)339, PCN 07M9, Charles Mix County -
Inslope Flattening, Shared Use Path, Pedestrian Bridge, Lighting**

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

SDEBS BID PROPOSAL: *The electronic bid proposal for this contract has been revised to include the changes associated with this addendum. Bidders must log in to the SDEBS to retrieve and incorporate these changes into their bid.*

Bid Items were added:

Bid Item 110E0749 "Remove High Tension 4 Cable Guardrail Anchor Assembly"

PLANS: Please destroy sheets A1, B2, and B5 and replace with the enclosed sheets, dated 3/17/25.

Sheets A1 & B2: Bid Item 110E0749 "Remove High Tension 4 Cable Guardrail Anchor Assembly" was added.

Sheet B5: REMOVE HIGH TENSION 4 CABLE GUARDRAIL note was revised. Clarification that post sleeves need to be removed was added.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Travis Dressen, Mitchell Region Engineer
Jay Peppel, Mitchell Area Engineer

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0018(231)339	A1	A4

Plotting Date: 03/17/2025 Rev. 3-17-2025 RG

Section B - Grading

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	0.592	Mile
009E3250	Miscellaneous Staking	0.592	Mile
009E3280	Slope Staking	0.592	Mile
009E3290	Structure Staking	1	Each
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
100E0100	Clearing	Lump Sum	LS
110E0707	Remove High Tension 4 Cable Guardrail	3,787	Ft
110E0749	Remove High Tension 4 Cable Guardrail Anchor Assembly	6	Each
110E1010	Remove Asphalt Concrete Pavement	868.0	SqYd
110E1140	Remove Concrete Sidewalk	266.7	SqYd
120E0010	Unclassified Excavation	1,392	CuYd
120E0600	Contractor Furnished Borrow Excavation	9,256	CuYd
120E6200	Water for Granular Material	5.1	MGal
250E0020	Incidental Work, Grading	Lump Sum	LS
260E1010	Base Course	424.0	Ton
260E2010	Gravel Cushion	194.0	Ton
260E6010	Granular Material	158.0	Ton
320E1200	Asphalt Concrete Composite	428.0	Ton
421E0100	Pipe Culvert Undercut	83	CuYd
450E0122	18" RCP Class 2, Furnish	162	Ft
450E0130	18" RCP, Install	162	Ft
450E0142	24" RCP Class 2, Furnish	158	Ft
450E0150	24" RCP, Install	158	Ft
450E2200	24" RCP Sloped End, Furnish	2	Each
450E2201	24" RCP Sloped End, Install	2	Each
450E2304	18" RCP Safety End, Furnish	4	Each
450E2307	18" RCP Safety End, Install	4	Each
600E0200	Type II Field Laboratory	1	Each
651E0060	6" Concrete Sidewalk	11,092	SqFt
651E7000	Type 1 Detectable Warnings	60	SqFt
671E7010	Adjust Manhole	2	Each
700E0210	Class B Riprap	934.4	Ton
831E0110	Type B Drainage Fabric	667	SqYd
900E1080	Orange Plastic Safety Fence	1,000	Ft

Section C - Traffic Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0010	Flagging	150.0	Hour
634E0020	Pilot Car	50.0	Hour
634E0110	Traffic Control Signs	273.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	8	Each
634E2000	Longitudinal Pedestrian Barricade	20	Ft
634E2015	Temporary Pedestrian Access Route	Lump Sum	LS

Section D - Erosion and Sediment Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	1.0	CuYd
110E1693	Remove Erosion Control Wattle	80	Ft
110E1700	Remove Silt Fence	570	Ft
230E0010	Placing Topsoil	2,592	CuYd
230E0020	Contractor Furnished Topsoil	1,595	CuYd
730E0100	Cover Crop Seeding	4.0	Bu
730E0212	Type G Permanent Seed Mixture	120	Lb
731E0200	Fertilizing	2.31	Ton
732E0100	Mulching	11.2	Ton
734E0103	Type 3 Erosion Control Blanket	285	SqYd
734E0154	12" Diameter Erosion Control Wattle	320	Ft
734E0165	Remove and Reset Erosion Control Wattle	80	Ft
734E0602	Low Flow Silt Fence	2,150	Ft
734E0604	High Flow Silt Fence	129	Ft
734E0610	Mucking Silt Fence	158	CuYd
734E0620	Repair Silt Fence	570	Ft
900E1320	Construction Entrance	1	Each

INDEX OF SHEETS

A1 Estimate of Quantities for Sections B, C, D, E,
and L
A2 to A4 Environmental Commitments

Section E – Structure

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
250E0030	Incidental Work, Structure	Lump Sum	LS
420E0100	Structure Excavation, Bridge	13	CuYd
430E0200	Bridge End Embankment	28	CuYd
430E0300	Granular Bridge End Backfill	2.7	CuYd
460E0050	Class A45 Concrete, Bridge	19.8	CuYd
480E0100	Reinforcing Steel	1,108	Lb
510E3851	16"x0.25" Steel Pipe Test Pile, Furnish and Drive	100	Ft
510E3855	16"x0.25" Steel Pipe Bearing Pile, Furnish and Drive	100	Ft
680E0040	4" Underdrain Pipe	80	Ft
680E2500	Porous Backfill	4.1	Ton
700E0110	Class A Riprap	2.5	Ton
831E0110	Type B Drainage Fabric	8	SqYd
900E7003	Pedestrian Bridge	1	Each

Section L - Signal and Lighting

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
635E0040	Breakaway Base Luminaire Pole with Am, 40' Mounting Height	2	Each
635E3700	Roadway Luminaire, LED with Photoelectric Cell	2	Each
635E5020	2' Diameter Footing	16.0	Ft
635E5301	Type 1 Electrical Junction Box	1	Each
635E5400	Electrical Service Cabinet	1	Each
635E8120	2" Rigid Conduit, Schedule 40	180	Ft
635E8220	2" Rigid Conduit, Schedule 80	75	Ft
635E9018	1/C #8 AWG Copper Wire	855	Ft
635E9710	2/C #10 AWG Copper Pole and Bracket Cable	120	Ft

SPECIFICATIONS

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

1:200
Plot Scale -

Plotted From -
TRPR13418

SECTION B ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	0.592	Mile
009E3250	Miscellaneous Staking	0.592	Mile
009E3280	Slope Staking	0.592	Mile
009E3290	Structure Staking	1	Each
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
100E0100	Clearing	Lump Sum	LS
110E0707	Remove High Tension 4 Cable Guardrail	3,787	Ft
110E0749	Remove High Tension 4 Cable Guardrail Anchor Assembly	6	Each
110E1010	Remove Asphalt Concrete Pavement	868.0	SqYd
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120E0010	Unclassified Excavation	1,392	CuYd
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260E1010	Base Course	424.0	Ton
260E2010	Gravel Cushion	194.0	Ton
260E6010	Granular Material	158.0	Ton
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421E0100	Pipe Culvert Undercut	83	CuYd
450E0122	18" RCP Class 2, Furnish	162	Ft
450E0130	18" RCP, Install	162	Ft
450E0142	24" RCP Class 2, Furnish	158	Ft
450E0150	24" RCP, Install	158	Ft
450E2200	24" RCP Sloped End, Furnish	2	Each
450E2201	24" RCP Sloped End, Install	2	Each
450E2304	18" RCP Safety End, Furnish	4	Each
450E2307	18" RCP Safety End, Install	4	Each
600E0200	Type II Field Laboratory	1	Each
651E0060	6" Concrete Sidewalk	11,092	SqFt
651E7000	Type 1 Detectable Warnings	60	SqFt
671E7010	Adjust Manhole	2	Each
700E0210	Class B Riprap	934.4	Ton
831E0110	Type B Drainage Fabric	667	SqYd
900E1080	Orange Plastic Safety Fence	1,000	Ft

GRADING OPERATIONS

Water for Embankment is estimated at the rate of 10 gallons of water per cubic yard of Embankment minus Waste. The estimated quantity of Water for Embankment is 96 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".

The estimated excavation required for placing the Granular Bridge End Backfill and Bridge End are listed in the Table of Unclassified Excavation.

MAINLINE INSLOPE CONSTRUCTION

Special construction techniques will be required to flatten the inslopes adjacent to the existing reinforced grade. The existing grade was raised due to flooding in the area. The grade was constructed utilizing reinforced select granular material. The existing inslopes are reinforced with a series of geogrid wraps and armored with riprap. The existing reinforced grade will not be disturbed during construction. The proposed embankment will not be benched into the existing grade. Soil will be placed over the non-salvaged riprap and reinforced section then compacted to the satisfaction of the Engineer.

SHARED USE PATH

The existing railroad grade was completely inundated by flood waters for a long duration. The condition of the existing path may vary along its length. Scarify and recompact the top of the grade prior to placement of any fill or path surfacing. Place soil over existing riprap where applicable. Compaction of the soil embankment will be to the satisfaction of the Engineer.

INSLOPE REPAIR STATION 51+75 to 60+75 L

The existing inslope from approximately 51+75 to 60+75 L has sluffed causing a drop off of 1' to 2'. The Contractor will work with the Engineer to restore the inslope back to a 4:1 or flatter slope. Inslope will be repaired by stripping the topsoil, reshaping the inslope with Contractor furnished borrow if needed and replace the Topsoil. All costs associated with reshaping the inslope and stripping the topsoil will be incidental to the contract unit price per cubic yard of "Unclassified Excavation" and "Contractor Furnished Borrow."

SURFACING INTERSECTING ROAD AT 53+40 R

The existing intersecting road from approximately 49' R to 314' R will be surfaced with 3" Asphalt Concrete Composite. The estimated quantity for Asphalt Concrete Composite for this section is 154 Tons. Prior to the asphalt surfacing the existing gravel will be prepped for surfacing to the satisfaction of the Engineer. All cost associated to prep the grade for surfacing will be incidental to the contract unit price per Ton of "Asphalt Concrete Composite."

The existing intersecting road from approximately 314' R to 480' R (in place PCC Pavement) will be surfaced with 2" Base Course and 3" Asphalt Concrete Composite. The estimated quantity for Base Course is 64 tons and 0.8 Mgal of Water for Granular Material. Asphalt Concrete Composite for this section is estimated at 102 Tons. All cost associated will be incidental to the contract unit price per Ton of "Base Course" and "Asphalt Concrete Composite" and MGal of "Water for Granular Material".

ASPHALT CONCRETE COMPOSITE

Asphalt Concrete Composite will include MC-70 Asphalt for Prime placed at the rate of 0.30 gallons per square yard. The Asphalt for Prime will be applied to the Base Course for the full width of the bottom layer of Asphalt Concrete Composite plus one foot additional on the outside shoulder.

Asphalt for tack SS-1h or CSS-1h will be applied prior to each lift of Asphalt Concrete Composite. Asphalt for tack will be applied at a rate of 0.06 gallons per square yard on primed base course or new asphalt concrete pavement. The Asphalt for tack will be applied for the full width of the bottom layer of Asphalt Concrete Composite plus one-half foot additional on the outside shoulder.

LOCATION	WATER FOR GRANULAR MATERIAL	BASE COURSE	ASPHALT CONCRETE COMPOSITE	
			1st Lift	2nd Lift
Station to Station	(MGal)	(Ton)	(Ton)	(Ton)
XR 41R 0+25 to 2+55 Intersecting Road @ 53+40 R 0+49 to 3+14 3+14 to 4+80				
	4.3	360	86	86
	.8	64	154	102
Totals:	5.1	424	428	

TYPE II FIELD LABORATORY

The lab will be equipped with an internet connection such as DSL, cable modem, or other approved service. The internet connection will be provided with a multi-port wireless router. The internet connection will be a minimum speed of 10 Mbps unless limited by job location and approved by the DOT. Prior to installing the wireless router, the Contractor will submit the wireless router's technical data to the Area Office to check for compatibility with the state's computer equipment. The internet connection is intended for state personnel usage only. The Contractor's personnel are prohibited from using the internet connection unless pre-approved by the Project Engineer. These items will be incidental to the contract unit price per each for "Type II Field Laboratory".

UTILITIES

The Contractor will be aware that the existing utilities shown in the plans were surveyed prior to the design of this project and might have been relocated or replaced by a new utility facility prior to construction of this project, might be relocated or replaced by a new utility facility during the construction of this project, or might not require adjustment and may remain in its current location. The Contractor will contact each utility owner and confirm the status of all existing and new utility facilities. The utility contact information is provided elsewhere in the plans or bidding documents.

1:200
Plot Scale -

Plotted From -
TRPR13418

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH 0018(231)339	B5	B18

Plotting Date: 03/17/2025 Rev 3-17-2025 RG

TABLE OF GUARDRAIL

Location	Remove High Tension 4 Cable Guardrail (Ft)
33+37 to 53+43 - L	2006
33+37 to 40+44 - R	707
41+69 to 52+43 - R	1074
Totals:	3787

REMOVE HIGH TENSION 4 CABLE GUARDRAIL

The cables, posts, post sleeves, anchor assemblies, and hardware items will become the property of the Contractor and will be removed from the project limits.

TABLE OF PIPE QUANTITIES

Station	Offset (L/R)	Reinforced Concrete					
		Circular		Safety End		Sloped End	
		18"	24"	18"		24"	
		(Ft)	(Ft)	(Each)		(Each)	
1+25 (XR41R)		76		2			
2+06 (XR41R)			158			2	
40+87 to 41+86 – 60' L		86		2			
Total:		162	158	4		2	

TABLE OF CONSTRUCTION STAKING

(See Special Provision for Contractor Staking)

Roadway and Description	Begin Station	End Station	Number of Lanes	Length (Ft)	Grade Staking				Miscellaneous Staking Quantity (Mile)	Slope Staking Quantity (Mile)	Structure Staking Quantity (Each)
					Length (Mile)	Lane Factor	*Sets of Stakes	**Grade Staking Quantity (Mile)			
Path 33L	0+00	9+13	1	913	0.173	1	1	0.173	0.173	0.173	1
Mainline	34+00	51+50	1	1750	0.331	1	1	0.331	0.331	0.663	
XR41R	0+25	2+55.61	2	230.6	0.044	1	1	0.044	0.044	0.044	
Path 43R	0+00	2+41.39	1	241.39	0.046	1	1	0.046	0.046	0.046	
Totals:								0.592	0.592	0.592	1

- * 1 = Blue Top Stakes Only (Asphalt Concrete Pavement)
2 = Blue Top and Paving Hub Stakes (PCC Pavement)
- ** Grade Staking Quantity = (Length) x (Lane Factor) x (Sets of Stakes)