

October 29, 2024

ADDENDUM NO. 1

RE: Item #1, November 6, 2024 Letting - IM 0295(46)139, PCN 06P3, Brookings, Deuel County - Cold Milling, Asphalt Concrete Surfacing/Resurfacing, Guardrail, Pipe Work, Ramp Detours, Acceleration and Deceleration Lane Modification

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.*

Quantities for Bid Items were changed:

Bid Item 009E3280 "Slope Staking" changed from 12.341 to 0.985 Mile

PLANS: Please destroy sheets A1, F2 and F10 and replace with the enclosed sheets, dated 10/28/24.

Sheets A1 & F2: Quantities for Bid Item 009E3280 "Slope Staking" changed from 12.341 to 0.985 Mile

Sheet F10: TABLE OF CONSTRUCTION STAKING was revised.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Mark Peterson, Aberdeen Region Engineer
Matt Brey, Watertown Area Engineer

ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0295(46)139	A1	A3

Section F – Surfacing

Revised: 10-28-2024 LLA

Section C - Traffic Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
632E2530	Type 3 Object Marker	8	Each
634E0110	Traffic Control Signs	2,673.2	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	51	Each
634E0380	Tubular Marker	898	Each
634E0390	Replace Tubular Marker	100	Each
634E0420	Type C Advance Warning Arrow Board	2	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	4,210	Ft
634E0600	4" Temporary Pavement Marking Tape Type I	26,820	Ft
634E1002	Detour and Restriction Signing	1,326.8	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each

Section D - Erosion and Sediment Control

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E1690	Remove Sediment	4.0	CuYd
110E1693	Remove Erosion Control Wattle	500	Ft
110E1700	Remove Silt Fence	500	Ft
230E0020	Contractor Furnished Topsoil	1,016	CuYd
230E0100	Remove and Replace Topsoil	Lump Sum	LS
730E0212	Type G Permanent Seed Mixture	1,393	Lb
731E0200	Fertilizing	13.40	Ton
732E0100	Mulching	107.1	Ton
734E0044	Soil Stabilizer	15.0	Acre
734E0154	12" Diameter Erosion Control Wattle	2,000	Ft
734E0165	Remove and Reset Erosion Control Wattle	500	Ft
734E0602	Low Flow Silt Fence	2,000	Ft
734E0610	Mucking Silt Fence	139	CuYd
734E0620	Repair Silt Fence	500	Ft
900E1320	Construction Entrance	2	Each

SPECIFICATIONS

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

INDEX OF SHEETS

A1	Estimate of Quantities for Sections C, D, F and M
A2 to A3	Environmental Commitments

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
004E0050	Remove Traffic Diversion(s)	Lump Sum	LS
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	0.985	Mile
009E3240	Graded Centerline Staking	0.985	Mile
009E3250	Miscellaneous Staking	13.084	Mile
009E3280	Slope Staking	0.985	Mile
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
009E3320	Checker	Lump Sum	LS
009E4200	Construction Schedule, Category II	Lump Sum	LS
110E0500	Remove Pipe Culvert	37	Ft
110E0510	Remove Pipe End Section	16	Each
110E0700	Remove 3 Cable Guardrail	1,206	Ft
110E0707	Remove High Tension 4 Cable Guardrail	303	Ft
110E0730	Remove Beam Guardrail	456.3	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	10	Each
110E0749	Remove High Tension 4 Cable Guardrail Anchor Assembly	2	Each
110E1010	Remove Asphalt Concrete Pavement	5,122.8	SqYd
110E6410	Remove Type 1 MGS for Reset	1,137.5	Ft
110E6617	Remove MGS Tangent End Terminal for Reset	5	Each
110E7000	Remove Crossover Closure for Reset	448	Ft
110E7500	Remove Pipe for Reset	100	Ft
110E7510	Remove Pipe End Section for Reset	40	Each
120E0010	Unclassified Excavation	3,420	CuYd
120E0100	Unclassified Excavation, Digsouts	626	CuYd
120E0600	Contractor Furnished Borrow	7,877	CuYd
120E2000	Undercutting	4,313	CuYd
120E4100	Reprofiling Ditch	33.0	Sta
120E6100	Water for Embankment	101.9	MGal
120E6200	Water for Granular Material	320.5	MGal
120E9000	Pit Run	14,767.7	Ton
260E1010	Base Course	11,928.0	Ton
320E0008	PG 64-34 Asphalt Binder	3,217.2	Ton
320E1004	Class Q4 Hot Mixed Asphalt Concrete	35,739.7	Ton
320E1090	Modified Class S Asphalt Concrete	14,984.0	Ton
320E1200	Asphalt Concrete Composite	2,109.8	Ton
320E1810	Asphalt Concrete Leveling Lift	5,241.9	Ton
320E3000	Compaction Sample	3	Each
320E3100	Stabilizing Additive for Asphalt Concrete	46.7	Ton
320E4000	Hydrated Lime	407.0	Ton
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	22.6	Mile
330E0010	MC-70 Asphalt for Prime	0.5	Ton
330E0100	SS-1h or CSS-1h Asphalt for Tack	203.7	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	11.0	Ton
330E2000	Sand for Flush Seal	154.4	Ton
332E0010	Cold Milling Asphalt Concrete	20,907	SqYd
380E6500	Planing PCC Pavement	9,824.0	SqYd
450E0122	18" RCP Class 2, Furnish	6	Ft
450E0130	18" RCP, Install	6	Ft
450E0142	24" RCP Class 2, Furnish	34	Ft
450E0150	24" RCP, Install	34	Ft

Section F – Surfacing – Continued

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
450E2008	18" RCP Flared End, Furnish	1	Each
450E2009	18" RCP Flared End, Install	1	Each
450E2016	24" RCP Flared End, Furnish	2	Each
450E2017	24" RCP Flared End, Install	2	Each
450E2200	24" RCP Sloped End, Furnish	3	Each
450E2201	24" RCP Sloped End, Install	3	Each
450E2204	30" RCP Sloped End, Furnish	1	Each
450E2205	30" RCP Sloped End, Install	1	Each
450E2208	36" RCP Sloped End, Furnish	1	Each
450E2209	36" RCP Sloped End, Install	1	Each
450E2308	24" RCP Safety End, Furnish	3	Each
450E2311	24" RCP Safety End, Install	3	Each
450E4748	15" CMP 14 Gauge, Furnish	14	Ft
450E4750	15" CMP, Install	14	Ft
450E5203	12" CMP Flared End, Furnish	1	Each
450E5204	12" CMP Flared End, Install	1	Each
450E5402	15" CMP Safety End, Furnish	3	Each
450E5403	15" CMP Safety End, Install	3	Each
* 450E8900	Cleanout Pipe Culvert	57	Each
450E9000	Reset Pipe	100	Ft
450E9001	Reset Pipe End Section	40	Each
600E0300	Type III Field Laboratory	1	Each
629E0110	High Tension 4 Cable Guardrail	303	Ft
629E0290	High Tension Cable Guardrail Anchor Assembly	2	Each
629E9050	Reset Crossover Closure	448	Ft
630E0500	Type 1 MGS	1,162.5	Ft
630E1501	Type 1 Retrofit Guardrail Transition	5	Each
630E2019	MGS Tangent End Terminal	5	Each
630E2110	Beam Guardrail Post and Block	192	Each
630E5010	Reset Type 1 MGS	1,137.5	Ft
630E5206	Reset MGS Tangent End Terminal	5	Each
632E2220	Guardrail Delineator	67	Each
632E2510	Type 2 Object Marker Back to Back	2	Each
634E0700	Traffic Control Movable Concrete Barrier	171	Each
634E0750	Temporary Concrete Barrier End Protection	10	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	2	Each
670E4200	Type M Median Drain	1	Each
831E0210	Non-woven Separator Fabric	7,950	SqYd
900E1980	Storage Unit	1	Each

* - Denotes Non-Participating

Section M - Pavement Marking

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E1220	High Build Waterborne Pavement Marking Paint, 4" White	73,300	Ft
633E1222	High Build Waterborne Pavement Marking Paint, 4" Yellow	68,205	Ft
633E1250	High Build Waterborne Pavement Marking Paint, 12" White	1,540	Ft
633E1260	High Build Waterborne Pavement Marking Paint, 24" White	130	Ft
633E3000	Durable Pavement Marking, 4" White	78,712	Ft
633E3005	Durable Pavement Marking, 4" Yellow	62,969	Ft
633E5100	Grooving for Durable Pavement Marking, 4"	283,186	Ft
633E5110	Grooving for Durable Pavement Marking, 12"	1,540	Ft
633E5115	Grooving for Durable Pavement Marking, 24"	130	Ft

SECTION F – ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
004E0050	Remove Traffic Diversion(s)	Lump Sum	LS
009E0010	Mobilization	Lump Sum	LS
009E3230	Grade Staking	0.985	Mile
009E3240	Graded Centerline Staking	0.985	Mile
009E3250	Miscellaneous Staking	13.084	Mile
009E3280	Slope Staking	0.985	Mile
009E3301	Engineer Directed Surveying/Staking	40.0	Hour
009E3320	Checker	Lump Sum	LS
009E4200	Construction Schedule, Category II	Lump Sum	LS
110E0500	Remove Pipe Culvert	37	Ft
110E0510	Remove Pipe End Section	16	Each
110E0700	Remove 3 Cable Guardrail	1,206	Ft
110E0707	Remove High Tension 4 Cable Guardrail	303	Ft
110E0730	Remove Beam Guardrail	456.3	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	10	Each
110E0749	Remove High Tension 4 Cable Guardrail Anchor Assembly	2	Each
110E1010	Remove Asphalt Concrete Pavement	5,122.8	SqYd
110E6410	Remove Type 1 MGS for Reset	1,137.5	Ft
110E6617	Remove MGS Tangent End Terminal for Reset	5	Each
110E7000	Remove Crossover Closure for Reset	448	Ft
110E7500	Remove Pipe for Reset	100	Ft
110E7510	Remove Pipe End Section for Reset	40	Each
120E0010	Unclassified Excavation	3,420	CuYd
120E0100	Unclassified Excavation, Digouts	626	CuYd
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120E6100	Water for Embankment	101.9	MGal
120E6200	Water for Granular Material	320.5	MGal
120E9000	Pit Run	14,767.7	Ton
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320E1090	Modified Class S Asphalt Concrete	14,984.0	Ton
320E1200	Asphalt Concrete Composite	2,109.8	Ton
320E1810	Asphalt Concrete Leveling Lift	5,241.9	Ton
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320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	22.6	Mile
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330E2000	Sand for Flush Seal	154.4	Ton
332E0010	Cold Milling Asphalt Concrete	20,907	SqYd
380E6500	Planing PCC Pavement	9,824.0	SqYd
450E0122	18" RCP Class 2, Furnish	6	Ft
450E0130	18" RCP, Install	6	Ft
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450E0150	24" RCP, Install	34	Ft

SECTION F – ESTIMATE OF QUANTITIES - CONTINUED

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
450E2008	18" RCP Flared End, Furnish	1	Each
450E2009	18" RCP Flared End, Install	1	Each
450E2016	24" RCP Flared End, Furnish	2	Each
450E2017	24" RCP Flared End, Install	2	Each
450E2200	24" RCP Sloped End, Furnish	3	Each
450E2201	24" RCP Sloped End, Install	3	Each
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629E0290	High Tension Cable Guardrail Anchor Assembly	2	Each
629E9050	Reset Crossover Closure	448	Ft
630E0500	Type 1 MGS	1,162.5	Ft
630E1501	Type 1 Retrofit Guardrail Transition	5	Each
630E2019	MGS Tangent End Terminal	5	Each
630E2110	Beam Guardrail Post and Block	192	Each
630E5010	Reset Type 1 MGS	1,137.5	Ft
630E5206	Reset MGS Tangent End Terminal	5	Each
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634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	2	Each
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831E0210	Non-woven Separator Fabric	7,950	SqYd
900E1980	Storage Unit	1	Each

* - Denotes Non-Participating

SURFACING THICKNESS DIMENSIONS

The plans shown spread rates will be applied even though the thickness may vary from that shown in the plans.

At those locations where material must be placed to achieve a required elevation, the depth/quantity may be varied to achieve the required elevation.

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0295(46)139	F2	F102

Plotting Date: 10/28/2024

Revised: 10-28-2024 LLA

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 Engineer to determine modifications that will be necessary to avoid utility impacts.

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.

CONTROL OF ACCESS

If a Contractor's operations would require access to the interstate ROW in any location not currently designated as public access, prior approval must be obtained from the Department. All requests will be reviewed based on safety and construction sequencing. A Contractor will not assume that all requests will be granted.

The Contractor will be responsible for all safety control and signing measures.

Anytime Contractor operations have ceased for the day, any entrances approved in a control of access area will be closed by the Contractor.

The request for access will be provided in writing to the Engineer two weeks in advance of any proposed break in control of access.

TYPE III 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 5 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 III Field Laboratory".

1:200

Plotted From - TRPR16387

Plotted From -

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TABLE OF CONSTRUCTION STAKING
(See Special Provision for Contractor Staking)

Roadway and Description	Begin Station	End Station	Number of Lanes	Grade Staking		Lane Factor	*Sets of Stakes	**Grade Staking Quantity (Mile)	Miscellaneous Staking Quantity (Mile)	Slope Staking Quantity (Mile)	Graded Centerline Staking Quantity (Mile)
				Length (Ft)	Length (Mile)						
I-29 Mainline - SBL	10+00.00	91+00.50	2	8,100.50	1.534	1	1	---	1.534	---	---
	Str. No. 06-184-074										
I-29 Mainline - SBL	96+12.00	215+78.30	2	11,966.30	2.266	1	1	---	2.266	---	---
	Str. No. 06-184-050										
I-29 Mainline - SBL	220+42.76	249+71.45	2	2,928.69	0.555	1	1	---	0.555	---	---
	Str. No. 06-184-044										
I-29 Mainline - SBL	253+90.16	319+30.97	2	6,540.81	1.239	1	1	---	1.239	---	---
	Str. No. 06-184-031										
I-29 Mainline - SBL	323+77.62	426+85.42	2	10,307.80	1.952	1	1	---	1.952	---	---
	Str. No. 06-184-010										
I-29 Mainline - SBL	431+49.69	632+66.47	2	20,116.78	3.810	1	1	---	3.810	---	---
Exit 140 SB On Ramp	18+51.15	31+80.16	1	1,329.01	0.252	1	1	0.252	0.252	0.252	0.252
Exit 140 SB Off Ramp	0+23.72	13+36.12	1	1,312.40	0.249	1	1	0.249	0.249	0.249	0.249
Exit 150 SB On Ramp	18+06.27	31+45.05	1	1,338.78	0.254	1	1	0.254	0.254	0.254	0.254
Exit 150 SB Off Ramp	0+16.20	12+31.80	1	1,215.60	0.230	1	1	0.230	0.230	0.230	0.230
Exit 140 SB Off Ramp Detour	0+00.00	13+93.62	1	1,393.62	0.264	1	1	---	0.264	---	---
Exit 140 SB On Ramp Detour	0+00.00	6+07.19	1	607.19	0.115	1	1	---	0.115	---	---
Exit 150 SB Off Ramp Detour	0+00.00	13+53.73	1	1,353.73	0.256	1	1	---	0.256	---	---
Exit 150 SB Off Ramp Detour	0+00.00	5+69.97	1	569.97	0.108	1	1	---	0.108	---	---
							Totals:	0.985	13.084	0.985	0.985

* 1 = Blue Top Stakes Only (Asphalt Concrete Pavement)

** Grade Staking Quantity = (Length) x (Lane Factor) x (Sets of Stakes)