



Planning & Engineering
Office of Project Development
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September 15, 2023

ADDENDUM NO. 1

RE: Item #2, September 20, 2023 Letting - IM 0020(186), PCN 06FV, Lincoln, Minnehaha County - Shoulder Strengthening, Berm Repair, Bridge Deck Polymer Chip Seal, Approach Slabs & Approach Pavement

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 removed:

Bid Item 633E9200 "Mobile Retroreflectometer Measurements"

PLANS: Please destroy sheets 2 & 3 and replace with the enclosed sheets, dated 8/30/23.

Sheets 2 & 3: **Bid Items were removed:**

Bid Item 633E9200 "Mobile Retroreflectometer Measurements"

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Travis Dressen, Mitchell Region Engineer
Harry Johnston, Sioux Falls Area Engineer

ESTIMATE OF QUANTITIES

STATE OF SOUTH DAKOTA	PROJECT IM 0020(186)	SHEET 2	TOTAL SHEETS 207
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PCN 06FV

PCN 06FV (CONTINUED)

STRUCTURE NO. 50-176-100 NBL

Rev. 8/30/23 MR

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	LS
110E0420	Remove Drop Inlet Frame and Grate Assembly	12	Each
110E0700	Remove 3 Cable Guardrail	3,056	Ft
110E0707	Remove High Tension 4 Cable Guardrail	1,312	Ft
110E0730	Remove Beam Guardrail	975.0	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	11	Each
110E0745	Remove 3 Cable Guardrail Slip Base Anchor Assembly	6	Each
110E0749	Remove High Tension 4 Cable Guardrail Anchor Assembly	4	Each
110E0770	Remove W Beam Guardrail Breakaway Cable Terminal	12	Each
110E1010	Remove Asphalt Concrete Pavement	4,999.0	SqYd
110E1100	Remove Concrete Pavement	2,932.0	SqYd
110E1640	Remove Granular Material	615.0	CuYd
120E0600	Contractor Furnished Borrow	1,886	CuYd
230E0100	Remove and Replace Topsoil	Lump Sum	LS
260E1010	Base Course	1,646.0	Ton
260E2010	Gravel Cushion	104.0	Ton
320E1200	Asphalt Concrete Composite	2,010.0	Ton
320E5010	Saw and Seal Shoulder Joint	6,476	Ft
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	1.3	Mile
380E0110	11" Nonreinforced PCC Pavement	4,093.0	SqYd
380E1090	11" Miscellaneous PCC Pavement	154.0	SqYd
380E6000	Dowel Bar	1,144	Each
380E6110	Insert Steel Bar in PCC Pavement	136	Each
410E2600	Membrane Sealant Expansion Joint	624.0	Ft
629E0110	High Tension 4 Cable Guardrail	2,648	Ft
629E0290	High Tension Cable Guardrail Anchor Assembly	7	Each
629E0500	W Beam to High Tension Cable Guardrail Transition	6	Each
630E0110	Straight Double Class A Thrie Beam Guardrail with Wood Posts	75.0	Ft
630E0500	Type 1 MGS	1,725.0	Ft
630E1010	Straight Class A W Beam Guardrail with Wood Posts	225.0	Ft
630E1501	Type 1 Retrofit Guardrail Transition	6	Each
630E2000	W Beam to Thrie Beam Guardrail Transition	6	Each
630E2008	W Beam Slotted Rail for High Tension Cable Connection	150	Ft
630E2018	MGS MASH Tangent End Terminal	6	Each
630E2030	W Beam Guardrail Breakaway Cable Terminal	6	Each
632E2220	Guardrail Delineator	114	Each
633E3000	Durable Pavement Marking, 4" White	5,518	Ft
633E3005	Durable Pavement Marking, 4" Yellow	4,414	Ft
633E5100	Grooving for Durable Pavement Marking, 4"	7,596	Ft
634E0010	Flagging	180.0	Hour
634E0110	Traffic Control Signs	492.0	SqFt

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	2	Each
634E0330	Temporary Raised Pavement Markers	15,656	Ft
634E0420	Type C Advance Warning Arrow Board	2	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	188	Each
634E0700	Traffic Control Movable Concrete Barrier	188	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	104	Each
634E0750	Temporary Concrete Barrier End Protection	4	Each
634E0755	Remove and Reset Temporary Concrete Barrier End Protection	2	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	2	Each
634E1002	Detour and Restriction Signing	1,862.5	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	2	Each
670E0200	Type A Frame and Grate	12	Each
670E5400	Precast Drop Inlet Collar	12	Each
734E0010	Erosion Control	Lump Sum	LS
998E0100	Railroad Protective Insurance	Lump Sum	LS

STRUCTURE NO. 42-065-115 NBL

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	262.3	SqYd
120E3120	Bridge Berm Repair	2	Each
410E2600	Membrane Sealant Expansion Joint	83.8	Ft
430E0300	Granular Bridge End Backfill	10.8	CuYd
460E0150	Concrete Approach Slab for Bridge	194.8	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	67.5	SqYd
460E0380	Install Dowel in Concrete	106	Each
462E0250	Cellular Grout	3.2	CuYd
480E0504	No. 4 Rebar Splice	28	Each
480E0505	No. 5 Rebar Splice	48	Each
480E0506	No. 6 Rebar Splice	46	Each

STRUCTURE NO. 42-064-115 SBL

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	262.3	SqYd
120E3120	Bridge Berm Repair	2	Each
410E2600	Membrane Sealant Expansion Joint	83.8	Ft
430E0300	Granular Bridge End Backfill	10.8	CuYd
460E0150	Concrete Approach Slab for Bridge	194.8	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	67.5	SqYd
460E0380	Install Dowel in Concrete	106	Each
462E0250	Cellular Grout	3.2	CuYd
480E0504	No. 4 Rebar Splice	28	Each
480E0505	No. 5 Rebar Splice	48	Each
480E0506	No. 6 Rebar Splice	46	Each

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	245.8	SqYd
410E2600	Membrane Sealant Expansion Joint	79.8	Ft
430E0300	Granular Bridge End Backfill	10.1	CuYd
460E0150	Concrete Approach Slab for Bridge	181.5	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	64.3	SqYd
460E0174	Concrete Patching Material, Miscellaneous	79.4	CuFt
460E0300	Breakout Structural Concrete	3.0	CuYd
460E0380	Install Dowel in Concrete	106	Each
480E0504	No. 4 Rebar Splice	28	Each
480E0505	No. 5 Rebar Splice	48	Each
480E0506	No. 6 Rebar Splice	44	Each
480E5000	Galvanic Anode	120	Each
491E0005	Two Coat Bridge Deck Polymer Chip Seal	498.2	SqYd
491E0110	Abrasive Blasting of Bridge Deck	498.2	SqYd
491E0120	Bridge Deck Grinding	498.2	SqYd
491E0130	Concrete Removal, Class A	4.0	SqYd
491E0140	Concrete Removal, Class B	4.0	SqYd
491E0172	Concrete Patching Material, Bridge Deck	27.0	CuFt

STRUCTURE NO. 50-175-100 SBL

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	245.8	SqYd
410E2600	Membrane Sealant Expansion Joint	79.8	Ft
430E0300	Granular Bridge End Backfill	10.1	CuYd
460E0150	Concrete Approach Slab for Bridge	181.5	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	64.3	SqYd
460E0174	Concrete Patching Material, Miscellaneous	79.4	CuFt
460E0300	Breakout Structural Concrete	3.0	CuYd
460E0380	Install Dowel in Concrete	106	Each
480E0504	No. 4 Rebar Splice	28	Each
480E0505	No. 5 Rebar Splice	48	Each
480E0506	No. 6 Rebar Splice	44	Each
480E5000	Galvanic Anode	120	Each
491E0005	Two Coat Bridge Deck Polymer Chip Seal	498.2	SqYd
491E0110	Abrasive Blasting of Bridge Deck	498.2	SqYd
491E0120	Bridge Deck Grinding	498.2	SqYd
491E0130	Concrete Removal, Class A	4.0	SqYd
491E0140	Concrete Removal, Class B	4.0	SqYd
491E0172	Concrete Patching Material, Bridge Deck	27.0	CuFt

ESTIMATE OF QUANTITIES (CONTINUED)

STATE OF SOUTH DAKOTA	PROJECT IM 0020(186)	SHEET 3	TOTAL SHEETS 207
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Rev. 8/30/23 MR

STRUCTURE NO. 50-176-060 NBL

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	245.8	SqYd
120E3120	Bridge Berm Repair	2	Each
410E2600	Membrane Sealant Expansion Joint	79.8	Ft
430E0300	Granular Bridge End Backfill	10.1	CuYd
460E0150	Concrete Approach Slab for Bridge	181.5	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	64.3	SqYd
460E0174	Concrete Patching Material, Miscellaneous	76.7	CuFt
460E0300	Breakout Structural Concrete	2.9	CuYd
460E0380	Install Dowel in Concrete	106	Each
462E0250	Cellular Grout	3.1	CuYd
480E0504	No. 4 Rebar Splice	28	Each
480E0505	No. 5 Rebar Splice	48	Each
480E0506	No. 6 Rebar Splice	44	Each
480E5000	Galvanic Anode	116	Each
491E0005	Two Coat Bridge Deck Polymer Chip Seal	498.2	SqYd
491E0110	Abrasive Blasting of Bridge Deck	498.2	SqYd
491E0120	Bridge Deck Grinding	498.2	SqYd
491E0130	Concrete Removal, Class A	4.0	SqYd
491E0140	Concrete Removal, Class B	4.0	SqYd
491E0172	Concrete Patching Material, Bridge Deck	27.0	CuFt

STRUCTURE NO. 50-175-060 SBL

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3310	Bridge Elevation Survey	Lump Sum	LS
110E0010	Remove Concrete Bridge Approach Slab	245.8	SqYd
120E3120	Bridge Berm Repair	2	Each
410E2600	Membrane Sealant Expansion Joint	79.8	Ft
430E0300	Granular Bridge End Backfill	10.1	CuYd
460E0150	Concrete Approach Slab for Bridge	181.5	SqYd
460E0160	Concrete Approach Sleeper Slab for Bridge	64.3	SqYd
460E0174	Concrete Patching Material, Miscellaneous	44.0	CuFt
460E0300	Breakout Structural Concrete	1.6	CuYd
460E0380	Install Dowel in Concrete	106	Each
462E0250	Cellular Grout	3.1	CuYd
480E0504	No. 4 Rebar Splice	28	Each
480E0505	No. 5 Rebar Splice	48	Each
480E0506	No. 6 Rebar Splice	44	Each
480E5000	Galvanic Anode	66	Each
491E0005	Two Coat Bridge Deck Polymer Chip Seal	498.2	SqYd
491E0110	Abrasive Blasting of Bridge Deck	498.2	SqYd
491E0120	Bridge Deck Grinding	498.2	SqYd
491E0130	Concrete Removal, Class A	4.0	SqYd
491E0140	Concrete Removal, Class B	4.0	SqYd
491E0172	Concrete Patching Material, Bridge Deck	27.0	CuFt

ESTIMATE OF QUANTITIES BREAKDOWN PER DIRECTION

BID ITEM NUMBER	ITEM	NBL QUANTITY	SBL QUANTITY	TOTAL QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	Lump Sum	Lump Sum	LS
009E4100	Construction Schedule, Category I	Lump Sum	Lump Sum	Lump Sum	LS
110E0420	Remove Drop Inlet Frame and Grate Assembly	6	6	12	Each
110E0700	Remove 3 Cable Guardrail	1219	1837	3056	Ft
110E0707	Remove High Tension 4 Cable Guardrail	656	656	1312	Ft
110E0730	Remove Beam Guardrail	487.5	487.5	975	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	5	6	11	Each
110E0745	Remove 3 Cable Guardrail Slip Base Anchor Assembly	3	3	6	Each
110E0749	Remove High Tension 4 Cable Guardrail Anchor Assembly	2	2	4	Each
110E0770	Remove W Beam Guardrail Breakaway Cable Terminal	6	6	12	Each
110E1010	Remove Asphalt Concrete Pavement	2419	2580	4999	SqYd
110E1100	Remove Concrete Pavement	1350	1582	2932	SqYd
110E1640	Remove Granular Material	292	323	615	CuYd
120E0600	Contractor Furnished Borrow Excavation	1091	795	1886	CuYd
230E0100	Remove and Replace Topsoil	Lump Sum	Lump Sum	Lump Sum	LS
260E1010	Base Course	811	835	1646	Ton
260E2010	Gravel Cushion	52	52	104	Ton
320E1200	Asphalt Concrete Composite	990	1020	2010	Ton
320E5010	Saw and Seal Shoulder Joint	3218	3258	6476	Ft
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	0.6	0.7	1.3	Mile
380E0110	11" Nonreinforced PCC Pavement	1868	2225	4093	SqYd
380E1090	11" Miscellaneous PCC Pavement	77	77	154	SqYd
380E6000	Dowel Bar	520	624	1144	Each
380E6110	Insert Steel Bar in PCC Pavement	68	68	136	Each
410E2600	Membrane Sealant Expansion Joint	312	312	624	Ft
629E0110	High Tension 4 Cable Guardrail	1061	1587	2648	Ft
629E0290	High Tension Cable Guardrail Anchor Assembly	3	4	7	Each
629E0500	W Beam to High Tension Cable Guardrail Transition	3	3	6	Each
630E0110	Straight Double Class A Thrie Beam Guardrail with Wood Posts	37.5	37.5	75	Ft
630E0500	Type 1 MGS	862.5	862.5	1725	Ft
630E1010	Straight Class A W Beam Guardrail with Wood Posts	112.5	112.5	225	Ft
630E1501	Type 1 Retrofit Guardrail Transition	3	3	6	Each
630E2000	W Beam to Thrie Beam Guardrail Transition	3	3	6	Each
630E2008	W Beam Slotted Rail for High Tension Cable Connection	75	75	150	Ft
630E2018	MGS MASH Tangent End Terminal	3	3	6	Each
630E2030	W Beam Guardrail Breakaway Cable Terminal	3	3	6	Each
632E2220	Guardrail Delineator	51	63	114	Each
633E3000	Durable Pavement Marking, 4" White	2535	2983	5518	Ft
633E3005	Durable Pavement Marking, 4" Yellow	2028	2386	4414	Ft
633E5100	Grooving for Durable Pavement Marking, 4"	3496	4100	7596	Ft
634E0010	Flagging	83	97	180	Hour
634E0110	Traffic Control Signs	246	246	492	SqFt
634E0120	Traffic Control Miscellaneous	Lump Sum	Lump Sum	Lump Sum	LS
634E0275	Type 3 Barricade	1	1	2	Each
634E0330	Temporary Raised Pavement Markers	7828	7828	15656	Ft
634E0420	Type C Advance Warning Arrow Board	1	1	2	Each
634E0525	Linear Delineation System Panel, Barrier Mounted	94	94	188	Each
634E0700	Traffic Control Movable Concrete Barrier	94	94	188	Each
634E0705	Remove and Reset Traffic Control Movable Concrete Barrier	52	52	104	Each
634E0750	Temporary Concrete Barrier End Protection	2	2	4	Each
634E0755	Remove and Reset Temporary Concrete Barrier End Protection	1	1	2	Each
634E0760	Temporary Concrete Barrier End Protection Module Set or Repair Kit	1	1	2	Each
634E1002	Detour and Restriction Signing	930	932.5	1862.5	SqFt
634E1215	Contractor Furnished Portable Changeable Message Sign	1	1	2	Each
670E0200	Type A Frame and Grate Assembly	6	6	12	Each
670E5400	Precast Drop Inlet Collar	6	6	12	Each
734E0010	Erosion Control	Lump Sum	Lump Sum	Lump Sum	LS
998E0100	Railroad Protective Insurance	Lump Sum	Lump Sum	Lump Sum	LS

SPECIFICATIONS

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