

February 7, 2025

**ADDENDUM NO. 1**

**RE: Item #4, February 12, 2025 Letting - IM-CR 0291(139)4, 0009-291, PCN 09E7, I7PL, Clay, Union County - Cold Milling, Asphalt Concrete Resurfacing of Shoulders & Ramps & Crossroads, Durable Pavement Marking & Guardrail**

**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 210E0100 "Shoulder Clearing"

**PLANS:** Please destroy sheets 5 and 10 and replace with the enclosed sheets, dated 2/7/25.

**Sheet 2:** Bid Item 210E0100 "Shoulder Clearing" was added.

**Sheet 10:** SHOULDER WORK note was revised.

Sincerely,

Sam Weisgram  
Engineering Supervisor

SW/cj

CC: Travis Dressen, Mitchell Region Engineer  
Greg Rothschadl, Yankton Area Engineer

**ESTIMATE OF QUANTITIES**  
IM-CR 0291(139)4—PCN 09E7

**ESTIMATE OF QUANTITIES (cont.)**  
IM-CR 0291(139)4—PCN 09E7

**ESTIMATE OF QUANTITIES**  
0009-291—PCN I7PL

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
009E3320	Checker	Lump Sum	LS
110E0700	Remove 3 Cable Guardrail	5,170	Ft
110E0730	Remove Beam Guardrail	2,156.3	Ft
110E0740	Remove 3 Cable Guardrail Anchor Assembly	38	Each
110E0760	Remove Beam Guardrail Trailing End Terminal	18	Each
110E0770	Remove W Beam Guardrail Breakaway Cable Terminal	1	Each
110E0800	Remove W Beam Guardrail End Terminal	17	Each
110E1010	Remove Asphalt Concrete Pavement	5,792.0	SqYd
110E1100	Remove Concrete Pavement	75.0	SqYd
110E1700	Remove Silt Fence	300	Ft
120E0100	Unclassified Excavation, Digouts	1,258	CuYd
120E0600	Contractor Furnished Borrow Excavation	8,570	CuYd
210E0100	Shoulder Clearing	20.0	Mile
210E1000	Shoulder Preparation	2.000	Mile
230E0100	Remove and Replace Topsoil	Lump Sum	LS
260E1080	Base Course, Salvaged, State Furnished	3,369.0	Ton
* 260E6000	Granular Material, Furnish	28,422.0	Ton
* 270E0220	Blend and Stockpile Granular Material	62,244.0	Ton
* 270E0230	Haul and Stockpile Asphalt Mix Material	31,122.0	Ton
320E0005	PG 58-34 Asphalt Binder	2,161.0	Ton
320E1070	Class HR Asphalt Concrete	61,723.0	Ton
320E1200	Asphalt Concrete Composite	176.0	Ton
320E3000	Compaction Sample	6	Each
320E5010	Saw and Seal Shoulder Joint	441,833	Ft
320E7012	Grind 12" Rumble Strip or Stripe in Asphalt Concrete	89.2	Mile
330E0100	SS-1h or CSS-1h Asphalt for Tack	170.6	Ton
330E0210	SS-1h or CSS-1h Asphalt for Flush Seal	91.6	Ton
330E2000	Sand for Flush Seal	1,310.3	Ton
332E0010	Cold Milling Asphalt Concrete	422,925	SqYd
600E0300	Type III Field Laboratory	1	Each
629E0110	High Tension 4 Cable Guardrail	9,420	Ft
629E0290	High Tension Cable Guardrail Anchor Assembly	46	Each
630E0010	Straight Class A Thrie Beam Guardrail with Wood Posts	375.0	Ft
630E0110	Straight Double Class A Thrie Beam Guardrail with Wood Posts	237.5	Ft
630E0500	Type 1 MGS	1,337.5	Ft
630E0520	Type 2 MGS	275.0	Ft
630E0530	Type 3 MGS	75.0	Ft
630E1500	Type 1 Guardrail Transition	2	Each
630E2001	Asymmetrical W Beam to Thrie Beam Guardrail Transition	12	Each
630E2018	MGS MASH Tangent End Terminal	18	Each
630E2055	Thrie Beam Guardrail Trailing End Terminal	14	Each

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
630E2065	MGS Trailing End Terminal	4	Each
632E2220	Guardrail Delineator	368	Each
632E2520	Type 2 Object Marker	42	Each
633E1200	High Build Waterborne Pavement Marking Paint, White	88	Gal
633E1205	High Build Waterborne Pavement Marking Paint, Yellow	71	Gal
633E3000	Durable Pavement Marking, 4" White	285,057	Ft
633E3005	Durable Pavement Marking, 4" Yellow	223,553	Ft
633E3020	Durable Pavement Marking, 12" White	8,231	Ft
633E3030	Durable Pavement Marking, 24" White	480	Ft
633E5050	Surface Preparation for Pavement Marking	558,423	Ft
633E9200	Mobile Retroreflectorometer Measurements	48.094	Mile
634E0010	Flagging	100.0	Hour
634E0110	Traffic Control Signs	1,483.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0275	Type 3 Barricade	4	Each
634E0310	Temporary Flexible Vertical Markers (Tabs)	13,511	Ft
634E0330	Temporary Raised Pavement Markers	3,840	Ft
634E0420	Type C Advance Warning Arrow Board	4	Each
734E0010	Erosion Control	Lump Sum	LS
734E0602	Low Flow Silt Fence	1,200	Ft
734E0610	Mucking Silt Fence	84	CuYd
734E0620	Repair Silt Fence	300	Ft

\* - Denotes Non-Participating

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
* 009E0010	Mobilization	Lump Sum	LS
* 009E3320	Checker	Lump Sum	LS
* 110E1010	Remove Asphalt Concrete Pavement	300.0	SqYd
* 120E0100	Unclassified Excavation, Digouts	100	CuYd
* 260E1080	Base Course, Salvaged, State Furnished	230.2	Ton
* 270E0220	Blend and Stockpile Granular Material	460.4	Ton
* 320E0005	PG 58-34 Asphalt Binder	45.1	Ton
* 320E1070	Class HR Asphalt Concrete	968.2	Ton
* 330E0100	SS-1h or CSS-1h Asphalt for Tack	2.0	Ton
* 332E0010	Cold Milling Asphalt Concrete	3,578	SqYd

\* - Denotes Non-Participating

**SPECIFICATIONS**

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

**SHOULDER WORK**

Prior to construction, Department of Transportation maintenance forces will spray the shoulders to kill existing vegetation. It is the Contractor's responsibility to notify the State a minimum of 30 days prior to starting work on the surface of the highway. The State assumes no responsibility for the effectiveness of the herbicide applied.

Where ordered by the Engineer, vegetation and accumulated material on or adjacent to the existing roadway edge will be removed by the Contractor to the satisfaction of the Engineer, prior to the cold milling of the in-place asphalt concrete surfacing. Any remaining windrow of accumulated material will be spread evenly on the inslope adjacent to the asphalt shoulder, to the satisfaction of the Engineer, following application of the flush seal.

Each shoulder location where this work is ordered will be measured for payment. It is not anticipated that Shoulder Work will be required for much of this project. Costs for shoulder work, including removal of vegetation and accumulated material, will be incidental to the contract unit price per mile for "Shoulder Clearing".

**SHOULDER PREPARATION**

Included in the Estimate of Quantities is 1 mile of Shoulder Preparation for each shoulder for a total of 2 miles of Shoulder Preparation to be used at locations determined by the Engineer.

Where indicated by the Engineer the existing shoulder material will be scarified, reprocessed if required, reshaped, reworked and compacted in accordance with Section 260.3.C to the shape of the typical sections prior to asphalt concrete placement on the shoulder. Cost for this work will be incidental to the contract unit price per mile for "Shoulder Preparation". Compaction will be to the satisfaction of the Engineer.

Shoulder shaping will be paid for at the contract unit price per mile. Payment will be full compensation for scarifying, reprocessing, reworking, reshaping and compacting, equipment, labor, and incidentals necessary to satisfactorily complete the work.

Water needed for compaction will be incidental to the contract unit price per mile for "Shoulder Preparation".

**REMOVE ASPHALT CONCRETE PAVEMENT**

Where existing asphalt concrete is to be removed at guardrail installations, the Contractor will remove enough material so that a 3" lift of new guardrail surfacing can be placed. This material will become the property of the Contractor for disposal.

**HAUL AND STOCKPILE ASPHALT MIX MATERIAL**

Excess salvaged asphalt concrete material estimated at 31,122 tons (for informational purposes only) will be hauled and stockpiled in the Northeast ¼ of Section 18, Township 92 North, Range 50 West of the 5<sup>th</sup> P.M. Union County, South Dakota at the Junction City SDDOT Maintenance Yard on the north side of SD50. The Contractor will have approval from the Engineer of the stockpile location prior to stockpiling the material within the aforementioned site.

A computerized scale, portable platform scale, stationary commercial scale, stationary commercial plant, portable plant scale, or a belt scale along with a scale operator will be provided by the Contractor at the stockpile site to weigh the salvaged material prior to stockpiling.

All other costs for hauling and stockpiling the remaining salvaged material will be incidental to the contract unit price per ton for "Haul and Stockpile Asphalt Mix Material".

**BLEND AND STOCKPILE GRANULAR MATERIAL**

An Estimated 31,122 tons (for informational purposes only) of excess Salvaged Asphalt Mix Material will be blended with 28,422 tons of Granular Material, Furnish and 2,700 tons of state furnished granular material from the Junction City SDDOT Maintenance Yard and stockpiled in the Northeast ¼ of Section 18, Township 92 North, Range 50 West of the 5<sup>th</sup> P.M. Union County, South Dakota at the Junction City SDDOT Maintenance Yard on the north side of SD50. The Contractor will have approval from the Engineer of the stockpile location prior to stockpiling the material within the aforementioned site. The stockpile site will be restored to the satisfaction on the SDDOT.

The Contractor will use a portable platform scale, stationary commercial scale, stationary commercial plant, portable plant scale, or a belt scale to control the blending and weighing of the salvage material with Contractor furnished granular material.

The salvaged asphalt mix material will be crushed to meet the requirements of Section 884.2 D.7 prior to blending into the stockpile.

Excess Salvaged asphalt mix material will be blended with Granular Material, Furnish at a rate of 50% salvaged asphalt mix material and 50% Granular Material, Furnish to obtain stockpile material. 2,700 tons of excess salvaged asphalt mix material will be blended with 2,700 tons of state furnished granular material to obtain stockpile material. Material will be uniformly blended to the satisfaction of the Engineer.

No further gradation testing of the blended material will be required.

All costs for crushing the salvaged asphalt mix material, stockpiling, and blending the materials will be incidental to the contract unit price per ton for "Blend and Stockpile Granular Material".

SECTION	MILLED MATERIAL TO BE REUSED IN ASPHALT CONCRETE N.A.B.I.	MILLED MATERIAL TO BE REUSED IN BLENDING N.A.B.I.	HAUL AND STOCKPILE MILLED ASPHALT MATERIAL	STATE FURNISHED GRANULAR MATERIAL TO BE USED IN BLENDING N.A.B.I.	GRANULAR MATERIAL, FURNISH	BLEND AND STOCKPILE GRANULAR MATERIAL
	Ton	Ton	Ton	Ton	Ton	Ton
1	20333	29265	29265	2700	26565	58530
2	682	989	989		989	1978
3	623	178	178		178	356
4	200	72	72		72	144
5	650	490	490		490	980
6	199	-	-		-	-
7	406	128	128		128	256
<b>Add'l</b>	732					
<b>Totals:</b>	23825	31122	31122	2700	28422	62244

**GRANULAR MATERIAL, FURNISH**

Granular material will be furnished by the Contractor for use in blending with the salvaged asphalt mix material from this project.

The granular material will be Base Course meeting the requirements of Section 882.

**COLD MILLING ASPHALT CONCRETE**

The Los Angeles Abrasion Loss value on the aggregate used for the in-place asphalt concrete was 21. This value was obtained from testing during construction of the in-place asphalt concrete.

Cold milling asphalt concrete will be done according to the typical sections. The milling depth on the shoulders will be measured from the top of the concrete. In areas where maintenance patches have raised and/or widened the shoulder, additional asphalt concrete will be milled to provide a uniform typical section from edge of concrete to the edge of the finished shoulder. Any additional costs associated with the additional cold milling will be incidental to the contract unit price per square yard for Cold Milling Asphalt Concrete.

Cold milling asphalt is estimated to produce 54,947 tons of cold milled asphalt concrete material. An estimated 23,825 tons of cold milled asphalt concrete material will be used on this project as RAP in the Class HR Hot Mixed Asphalt Concrete mixture. The Contractor is responsible to assure enough asphalt concrete salvage is available for the Class HR Hot Mixed Asphalt Concrete and that no vegetation, topsoil, subgrade, or other foreign material is incorporated into the RAP used in the Class HR Hot Mixed Asphalt Concrete mixture.

The remainder of the salvaged asphalt concrete material will be blended and stockpiled according to the Haul and Stockpile Asphalt Mix Material plan note and the Blend and Stockpile Granular Material plan note.