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

September 22, 2025

ADDENDUM NO. 1

RE: Item #2, October 1, 2025 Letting - PT 0907(89)316, PCN 07W7, Davison County - Modify Drainage, Spot Grading, PCC Surfacing, Crossovers

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 120E6200 "Water for Granular Material" changed from 368.9 to 383.9 MGal
Bid Item 260E2010 "Gravel Cushion" changed from 13,926.0 to 15,176.0 Ton

PLANS: Please destroy sheets A2, F2, F6 and replace with the enclosed sheets, dated 9/22/25.

Sheets A2 & F2: **Quantities for Bid Items were changed:**
Bid Item 120E6200 "Water for Granular Material" changed from 368.9 to 383.9 MGal
Bid Item 260E2010 "Gravel Cushion" changed from 13,926.0 to 15,176.0 Ton

Sheet F2: CONSTRUCTION HAUL ROAD note was added.

Sheet F6: TABLE OF QUANTITIES was revised. Construction Haul Road quantities were added.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/gp

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
	PT 0907(89)317	A2	A4

Plotting Date: 09/22/2025 Rev 09/22/2025 RG

Section F - Surfacing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3320	Checker	Lump Sum	LS
110E1010	Remove Asphalt Concrete Pavement	1,304.9	SqYd
120E0010	Unclassified Excavation	4,876	CuYd
120E6200	Water for Granular Material	383.9	MGal
120E9000	Pit Run	8,083.1	Ton
260E1010	Base Course	8,721.8	Ton
260E2010	Gravel Cushion	15,176.0	Ton
320E1200	Asphalt Concrete Composite	4,970.5	Ton
320E5010	Saw and Seal Shoulder Joint	4,270	Ft
380E0120	11.5" Nonreinforced PCC Pavement	19,066.6	SqYd
380E0800	PCC Shoulder Pavement	10,266.6	SqYd
380E6000	Dowel Bar	10,512	Each
380E6110	Insert Steel Bar in PCC Pavement	96	Each
450E4749	15" CMP 16 Gauge, Furnish	1,442	Ft
450E4750	15" CMP, Install	1,442	Ft
450E5005	15" CMP Elbow, Furnish	4	Each
450E5006	15" CMP Elbow, Install	4	Each
450E5100	CMP Tee, Furnish	2	Each
450E5101	CMP Tee, Install	2	Each
450E5402	15" CMP Safety End, Furnish	4	Each
450E5403	15" CMP Safety End, Install	4	Each
450E6119	15" Slotted CMP 16 Gauge, Furnish	590	Ft
450E6120	15" Slotted CMP, Install	590	Ft
462E0100	Class M6 Concrete	52.9	CuYd
464E0100	Controlled Density Fill	21.8	CuYd
629E9010	Interim Crossover Closure	784	Ft
831E0210	Non-woven Separator Fabric	12,228	SqYd

Section M - Pavement Marking

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E3000	Durable Pavement Marking, 4" White	12,012	Ft
633E3005	Durable Pavement Marking, 4" Yellow	9,610	Ft
633E5100	Grooving for Durable Pavement Marking, 4"	21,622	Ft

Section S - Permanent Signing

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
110E0100	Remove Concrete Footing(s)	Lump Sum	LS
110E0130	Remove Traffic Sign	1	Each
110E0135	Remove Delineator	16	Each
110E7150	Remove Sign for Reset	5	Each
632E0010	1.25' Diameter Breakaway Support Concrete Footing	16.0	Ft
632E1320	2.0"x2.0" Perforated Tube Post	48.0	Ft
632E1340	2.5"x2.5" Perforated Tube Post	57.6	Ft
632E2020	4"x4" White Delineator with 1.12 Lb/Ft Post	20	Each
632E2100	Reset Delineator	16	Each
632E2220	Guardrail Delineator	15	Each
632E2520	Type 2 Object Marker	4	Each
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	16.5	SqFt
632E3500	Reset Sign	5	Each

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 10-1-25 Version, Required Provisions, and Special Provisions as included in the Proposal. The Standard Specifications for Roads and Bridges are available for download and viewing at https://dot.sd.gov/doing-business/contractors/standard-specifications.

ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E3320	Checker	Lump Sum	LS
110E1010	Remove Asphalt Concrete Pavement	1,304.9	SqYd
120E0010	Unclassified Excavation	4,876	CuYd
120E6200	Water for Granular Material	383.9	MGal
120E9000	Pit Run	8,083.1	Ton
260E1010	Base Course	8,721.8	Ton
260E2010	Gravel Cushion	15,176.0	Ton
320E1200	Asphalt Concrete Composite	4,970.5	Ton
320E5010	Saw and Seal Shoulder Joint	4,270	Ft
380E0120	11.5" Nonreinforced PCC Pavement	19,066.6	SqYd
380E0800	PCC Shoulder Pavement	10,266.6	SqYd
380E6000	Dowel Bar	10,512	Each
380E6110	Insert Steel Bar in PCC Pavement	96	Each
450E4749	15" CMP 16 Gauge, Furnish	1,442	Ft
450E4750	15" CMP, Install	1,442	Ft
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450E5101	CMP Tee, Install	2	Each
450E5402	15" CMP Safety End, Furnish	4	Each
450E5403	15" CMP Safety End, Install	4	Each
450E6119	15" Slotted CMP 16 Gauge, Furnish	590	Ft
450E6120	15" Slotted CMP, Install	590	Ft
462E0100	Class M6 Concrete	52.9	CuYd
464E0100	Controlled Density Fill	21.8	CuYd
629E9010	Interim Crossover Closure	784	Ft
831E0210	Non-woven Separator Fabric	12,228	SqYd

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.

EXISTING PCC PAVEMENT

Sta. 32+00 to Sta. 65+00 - The existing concrete is 10.5” Plain Jointed PCC Pavement. The existing transverse joints are perpendicular and are spaced at 20 feet. The aggregate in the existing Plain Jointed PCC Pavement is quartzite.

RECYCLED CONCRETE AGGREGATE (RCA)

Portland cement concrete pavement (RCA) removed from the mainline within the project limits may be crushed and reused as granular material provided it meets the requirements for the granular material it is replacing.

All in-place rebar will be separated and removed from the RCA.

There is an estimated 8,858.9 tons of PCC Pavement on this project that can be crushed and reused. This quantity is based on a unit weight of 118 lbs. per cubic foot for the recycled concrete aggregate.

The Contractor will dispose of the material (including existing rebar) not utilized on the project at a site approved by the Engineer.

Payment for the recycled concrete aggregate will be at the contract unit price per ton for the granular material that it is replacing.

UNCLASSIFIED EXCAVATION

An estimated 4,876.1 Cu.Yds. of Unclassified Excavation shall be plans quantity and will not be adjusted according to field measurements, see Typical Sections. Unclassified Excavation is removal of waste material. The Unclassified Excavation waste material shall become property of the Contractor.

TABLE OF UNCLASSIFIED EXCAVATION

Location of Removal Areas	Waste Material
	Cu.Yds.
Median Crossovers	
Sta. 16+00	2,631.2
Sta. 95+00	2,244.9
TOTAL	4,876.1

CONSTRUCTION HAUL ROAD

Included in the Estimate of Quantities are 1,000 tons of Gravel Cushion per mile, and 12 MGal of Water for Granular Material per mile for haul road construction. The use of this material will be at the discretion of the Contractor. Any additional construction and removal for the construction haul road will be the Contractor’s responsibility. The Contractor will receive no additional compensation for this work.

The Gravel Cushion used to construct the haul road will be compacted in the same manner and to the same specifications as the adjacent material below mainline.

All costs associated with construction of the haul road will be incidental to the “Gravel Cushion” quantities provided. Haul road length is estimated at 1.25 miles.

Sta. 32+00 to Sta. 65+00 EB & WB

REMOVE ASPHALT CONCRETE PAVEMENT

The Los Angeles Abrasion Loss value on the aggregate used for the in-place asphalt concrete was 26. This value was obtained from testing during construction of the in-place asphalt concrete.

An estimated 1,304.9 Square Yards of the in-place asphalt concrete surfacing will be removed from the existing highway at the crossover locations according to the in-place surfacing typical sections and wasted as directed by the Engineer.

The quantity of removed asphalt material is estimated from the in-place surfacing typical sections. This estimated quantity is not included in the unclassified excavation quantities.

TABLE OF ASPHALT CONCRETE REMOVAL

Location of Removal Areas	Removal Material
	Sq.Yds.
Median Crossovers	
Sta. 16+00	662.3
Sta. 95+00	642.6
TOTAL	1,304.9

PIT RUN MATERIAL

Pit Run material will be obtained from a granular source conforming to Section 120 of the Specifications.

Minimum compaction testing requirements will be one test per crossover location.

NON-WOVEN SEPARATOR FABRIC

Non-woven Separator Fabric has been included in the Estimate of Quantities for the median crossover. This fabric is to be used as a separator between the Pit Run material and the Base Course to prevent migration of fines from the Base Course into the Pit Run material. If the Pit Run material contains enough fines as placed to prevent the loss of material from the Base Course, the separator fabric may be eliminated by CCO. Non-woven Separator Fabric will conform to Section 831 of the Specifications.

TABLE OF NON-WOVEN SEPARATOR FABRIC

Location	Non-woven Separator Fabric (Sq.Yds.)
Median Crossover	
Sta. 16+00	6,415.3
Sta. 95+00	5,812.7
TOTAL =	12,228.0

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PT 0907(89)316	F6	F29

Plotting Date: 09/22/2025
Revised: 09-22-2025 LLA

TABLE OF QUANTITIES

LOCATION			WATER FOR GRANULAR MATERIAL	GRAVEL CUSHION	BASE COURSE	PIT RUN MATERIAL	ASPHALT CONCRETE COMPOSITE	SAW AND SEAL SHOULDER JOINT (EB & WB Shoulders)
Station	to	Station	MGal	Tons	Tons	Tons	Tons / Lift	Feet
I-90 EBL MAINLINE								
32+00	to	65+00	63.4	5,280.0				
I-90 WBL MAINLINE								
32+00	to	65+00	63.4	5,280.0				
I-90 EBL Outside Shoulder								
32+00	to	65+00	10.2	858.0				
I-90 WBL Outside Shoulder								
32+00	to	65+00	10.2	858.0				
Granular Wedge adjacent PCCP								
I-90 EBL Outside Shoulder								
32+00	to	65+00	2.6	231.0				
I-90 WBL Outside Shoulder								
32+00	to	65+00	2.6	231.0				
Granular Wedge adjacent PCCP								
I-90 EBL Median Shoulder								
32+00	to	65+00	7.3	594.0				
I-90 WBL Median Shoulder								
32+00	to	65+00	7.3	594.0				
Crossovers								
Sta. 16+00			86.1		4,010.8	3,163.8	993.2 / 973.0 / 637.1	2,167.2
Sta. 95+00			101.8		3,554.5	4,919.3	897.5 / 878.5 / 574.8	2,102.8
Guardrail Surfacing								
Median Shoulder WBL			6.9		570.9			
Outside Shoulder WBL			0.7		57.1			
Median Shoulder EBL			4.4		362.8			
Outside Shoulder EBL			2.0		164.7		16.4	
Construction Haul Road			15.0	1,250.0				
TOTAL			383.9	15,176.0	8,721.8	8,083.1	4,970.5	4,270.0

Plot Scale - 1:200
Plotted From - TRPR13462
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