



Department of Transportation

Office of Project Development

700 E Broadway Avenue

Pierre, South Dakota 57501-2586 605/773-3268

FAX: 605/773-2614

March 30, 2015

ADDENDUM NO. 2

RE: Item #1, April 1, 2015 Letting - NH 0100(103)417, PCN 00KB, Minnehaha County - Grading, Storm Sewer, Curb & Gutter, Structures, PCC Surfacing, Signals, & 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: Please remove the Special Provisions checklist and replace with the attached Special Provisions checklist revised 3/30/15.

Please add the "Special Provision Regarding Environmental Conditions" dated 3/30/15 before the "Special Provision for Contractor Staking with Machine Controlled Grading Option" dated 2/3/15.

BID ITEM FILE: *Bidders must log in to retrieve the addendum bid item file that must be loaded into the SDEBS to incorporate the revisions listed here.*

Bid Items were added:

Bid Item 380E2564 "4" Barrier Type Colored Median PCC Pavement"

Bid Items were removed:

Bid Item 009E3320 "Checker"

Bid Item 380E2574 "4" Barrier Type Colored and Patterned Median PCC Pavement"

PLANS: Please destroy sheets A2 and F2 and replace with the enclosed sheets, dated 3/30/15.

Sheet A2: **Surfacing – Section F**

Bid Items were added:

Bid Item 380E2564 "4" Barrier Type Colored Median PCC Pavement"

Bid Items were removed:

Bid Item 009E3320 "Checker"

Bid Item 380E2574 "4" Barrier Type Colored and Patterned Median PCC Pavement"

Sheet F2: **Section F Estimate of Quantities**

Bid Items were removed:

Bid Item 009E3320 "Checker"

CHECKING SPREAD RATES note was removed.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Craig Smith, Mitchell Region Engineer
Travis Dressen, Sioux Falls Area Engineer

REV. 3/30/15

SPECIAL PROVISIONS

PROJECT NUMBER(S): NH 0100(103)417 PCN: 00KB

TYPE OF WORK: GRADING, STORM SEWER, CURB & GUTTER, STRUCTURES, PCC SURFACING, SIGNALS, & LIGHTING

COUNTY: MINNEHAHA

The following clauses have been prepared subsequent to the Standard Specifications for Roads and Bridges and refer only to the above described improvement, for which the following Proposal is made. In case of any discrepancy or conflict between said specifications and these Special Provisions, the latter are to govern.

The Contractor's attention is directed to the need for securing from the Department of Environment & Natural Resources, Foss Building, Pierre, South Dakota, permission to remove water from public sources (lakes, rivers, streams, etc.). The Contractor should make his request as early as possible after receiving his contract, and insofar as possible at least 30 days prior to the date that the water is to be used.

Greg Johnson is the official in charge of the Sioux Falls Career Center for Minnehaha County.

THE FOLLOWING ITEMS ARE INCLUDED IN THIS PROPOSAL FORM:

Special Provision for Contract Time, dated 3/27/15.

Special Provision for Subletting of Contract, dated 2/3/15.

Special Provision Regarding Combination Bids, dated 2/4/15.

Special Provision Regarding Right of Entry, dated 3/2/15.

Special Provision Regarding Restricted Work at Drainage Crossings or Wetlands, dated 3/5/15.

Wetland Table.

Special Provision Regarding Environmental Conditions, dated 3/30/15.

Special Provision for Contractor Staking with Machine Control Grading Option, dated 2/3/15.

Special Provision for Contractor Furnished Mix Designs for PCC Pavement, dated 10/27/14.

Special Provision for On-the-Job Training Program, dated 7/10/12.

Special Provision for Controller Cabinet

Special Provision for Optical Detectors

Special Provision for Traffic Sensors

Special Provision for Traffic Signal Controller

Special Provision for Traffic Signal Heads

List of Utilities

Special Provision for Contractor Administered Preconstruction Meeting, dated 4/18/13.

Special Provision for Electronic Bidding Requirements, dated 12/18/13.

Special Provision for Fuel Cost Adjustment, dated 7/13/06.

Special Provision for Differing Site Conditions, dated 12/19/13.

Special Provision for Suspension of Work, dated 2/13/04.

Standard Title VI Assurance, dated 7/14/08.

Special Provision For Disadvantaged Business Enterprise, dated 12/19/12.

Special Provision For EEO Affirmative Action Requirements on Federal and Federal-aid Construction Contracts, dated 9/1/97.

Special Provision For Required Contract Provisions Federal-aid Construction Contracts, Form FHWA 1273 (Rev. May/1/12), dated 4/30/13.

Required Contract Provisions Federal-aid Construction Contracts, Form FHWA 1273 (Rev. 5/1/12).

Special Provision Regarding Minimum Wage on Federal-Aid Projects, dated 4/30/13.

Wage and Hour Division US Department of Labor Washington DC.

- US Dept. of Labor Decision Number SD100010, dated 8/30/13.

Supplemental Specification for Errata, dated 3/3/10.

Supplemental Specification to Standard Specifications for Roads and Bridges, dated 3/3/10.

Special Provision for Price Schedule for Miscellaneous Items, dated 9/26/13.

Special Provision Regarding Storm Water Discharge, dated 5/3/13.

General Permit for Storm Water Discharges Associated with Construction

Activities, dated 2/1/10. <http://denr.sd.gov/des/sw/IPermits/ConstructionGeneralPermit2010.pdf>

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**STATE OF SOUTH DAKOTA DEPARTMENT
OF TRANSPORTATION**

**SPECIAL PROVISION REGARDING
ENVIRONMENTAL CONDITIONS**

**NH 0100(103)417
MINNEHAHA COUNTY**

MARCH 30, 2015

Once the Department notifies the contractor that work may proceed at drainage crossings and wetlands designated in the SPECIAL PROVISION REGARDING RESTRICTED WORK AT DRAINAGE CROSSINGS OR WETLANDS, construction activities shall comply with the following conditions:

- All construction debris will be disposed of on land in such a manner that it cannot enter a regulated waterway or wetland.
- Equipment for handling and conveying materials during construction shall be operated to prevent dumping or spilling the materials into regulated wetlands except as approved.
- During construction and subsequent maintenance operations, no petroleum products, chemicals, or other deleterious materials shall be allowed to enter or be disposed of in such a manner that they could enter regulated wetlands and that precautions be taken to prevent entry of these materials into wetlands. All temporary storage facilities for petroleum products, other fuels, and chemicals must be located and protected to prevent accidental spills.
- All fill material shall be free of substances in quantities, concentrations, or combinations, which are toxic to aquatic life.
- The clearing of vegetation will be limited to that which is absolutely necessary for construction of the project. Disturbance to the work areas shall be minimized by limiting the working pad surface areas and maintaining the existing vegetation as much as possible.
- All earthwork operations in uplands will be carried out in such a manner that sediment runoff and soil erosion to the regulated wetlands are controlled.
- Except as approved, all surplus excavated materials and material stockpiles will be placed for either temporary or permanent disposal on an upland site above the ordinary high water line, in a confined area, not classified as a wetland, and measures will be taken to insure that the material cannot enter the watercourse through any other means.
- Temporary erosion and sediment controls shall be left in place until such time as disturbed areas are stabilized and restored.
- If construction activity is adversely affecting fish or wildlife resources or the harvest thereof, the contractor shall comply with such directions as may be received to suspend or modify the activity to the extent necessary to mitigate or eliminate the adverse effect as required.

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STRUCTURES – Section E

Str. No. 50-241-198

DRAINAGE STRUCTURE SITE 1
ALTERNATE A – 12'x5' Box Culvert (C.I.P.)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	194	CuYd
421E0200	Box Culvert Undercut	454	CuYd
460E0120	Class A45 Concrete, Box Culvert	464.2	CuYd
480E0100	Reinforcing Steel	80,458	Lb
700E0210	Class B Riprap	163.6	Ton
831E0110	Type B Drainage Fabric	136	SqYd

ALTERNATE B – 12'x5' Box Culvert (Precast)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	100	CuYd
421E0200	Box Culvert Undercut	412	CuYd
560E0182	12'x5' Precast Concrete Box Culvert, Furnish	278.0	Ft
560E0183	12'x5' Precast Concrete Box Culvert, Install	278.0	Ft
560E1182	12'x5' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E1183	12'x5' Precast Concrete Box Culvert End Section, Install	2	Each
700E0210	Class B Riprap	120.5	Ton
831E0110	Type B Drainage Fabric	124	SqYd

 Str. No. 50-241-197
 12'x10' Box Culvert (C.I.P.)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	133	CuYd
421E0200	Box Culvert Undercut	370	CuYd
460E0120	Class A45 Concrete, Box Culvert	344.4	CuYd
460E0204	Anti-Graffiti Coating	6,615.0	SqFt
480E0100	Reinforcing Steel	55,264	Lb
621E0040	4' Chain Link Fence with Top Rail	134	Ft

 Str. No. 50-241-196
 DRAINAGE STRUCTURE SITE 2
 ALTERNATE A – 8'x5' Box Culvert (C.I.P.)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	82	CuYd
421E0200	Box Culvert Undercut	327	CuYd
460E0120	Class A45 Concrete, Box Culvert	218.0	CuYd
480E0100	Reinforcing Steel	35,784	Lb
700E0210	Class B Riprap	102.8	Ton
831E0110	Type B Drainage Fabric	125	SqYd

ALTERNATE B – 8'x5' Box Culvert (Precast)

Bid Item Number	Item	Quantity	Unit
420E0200	Structure Excavation, Box Culvert	63	CuYd
421E0200	Box Culvert Undercut	290	CuYd
560E0090	8'x5' Precast Concrete Box Culvert, Furnish	248.0	Ft
560E0091	8'x5' Precast Concrete Box Culvert, Install	248.0	Ft
560E1090	8'x5' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E1091	8'x5' Precast Concrete Box Culvert End Section, Install	2	Each
700E0210	Class B Riprap	72.3	Ton
831E0110	Type B Drainage Fabric	82	SqYd

 Str. No. 50-243-191
 DRAINAGE STRUCTURE SITE 3
 12'x10' Box Culvert (Precast)

Bid Item Number	Item	Quantity	Unit
260E1010	Base Course	3.2	Ton
420E0200	Structure Excavation, Box Culvert	102	CuYd
421E0200	Box Culvert Undercut	382	CuYd
560E0192	12'x10' Precast Concrete Box Culvert, Furnish	228.0	Ft
560E0193	12'x10' Precast Concrete Box Culvert, Install	228.0	Ft
560E1192	12'x10' Precast Concrete Box Culvert End Section, Furnish	2	Each
560E1193	12'x10' Precast Concrete Box Culvert End Section, Install	2	Each
700E0210	Class B Riprap	84.0	Ton
831E0110	Type B Drainage Fabric	96	SqYd

SURFACING – Section F

Bid Item Number	Item	Quantity	Unit
120E6200	Water for Granular Material	425.0	MGal
260E1010	Base Course	6,444.0	Ton
260E2010	Gravel Cushion	27,596.0	Ton
260E3010	Gravel Surfacing	608.0	Ton
320E1200	Asphalt Concrete Composite	3,179.0	Ton
380E0070	9" Nonreinforced PCC Pavement	838.0	SqYd
380E0090	10" Nonreinforced PCC Pavement	62,383.0	SqYd
380E2564	4" Barrier Type Colored Median PCC Pavement	2,548.0	SqYd
380E6000	Dowel Bar	44,255	Each
380E6110	Insert Steel Bar in PCC Pavement	24	Each

LANDSCAPING – Section H

Bid Item Number	Item	Quantity	Unit
120E6300	Water for Vegetation	100.0	MGal
730E0251	Special Permanent Seed Mixture 1	678	Lb
731E0100	Fertilizing	2,100	Lb
732E0200	Fiber Mulching	2.0	Ton
735E0110	1 Gallon Perennial Plant, Furnish and Plant	300	Each
735E5010	1 Gallon Ornamental Grass, Furnish and Plant	870	Each
900E5150	Landscape Edging	1,038	Ft
900E5152	Weed Barrier Fabric	724	SqYd
900E5156	3" Depth Shredded Bark Mulch	724.0	SqYd

SIGNALS AND LIGHTING – Section L

Bid Item Number	Item	Quantity	Unit
110E1540	Remove Luminaire Pole Footing	5	Each
110E5100	Salvage Luminaire Pole	5	Each
635E0050	Breakaway Base Luminaire Pole with Arm, 50' Mounting Height	50	Each
635E0150	Breakaway Base Luminaire Pole with Twin Arms, 50' Mounting Height	2	Each
635E2035	Signal Pole with 35' Mast Arm	1	Each
635E2065	Signal Pole with 65' Mast Arm	2	Each
635E2140	Signal Pole with 40' Mast Arm and Luminaire Arm	1	Each
635E3340	Roadway Luminaire, 400 Watt with Photoelectric Cell	55	Each
635E3550	Tunnel Luminaire, 70 Watt	14	Each
635E4030	3 Section Vehicle Signal Head	8	Each
635E4040	4 Section Vehicle Signal Head	8	Each
635E4050	5 Section Vehicle Signal Head	4	Each
635E5020	2' Diameter Footing	458.0	Ft
635E5030	3' Diameter Footing	52.0	Ft
635E5310	Special Electrical Junction Box	49	Each
635E5400	Electrical Service Cabinet	4	Each
635E5430	Traffic Signal Controller	1	Each
635E5450	Side Mounted Cabinet	1	Each
635E5515	Signal Head Battery Backup and Flash System	1	Each
635E5545	Wireless In Pavement Traffic Sensor	51	Each
635E5555	Wireless Access Point	2	Each
635E5558	Wireless Repeater	6	Each
635E5560	Emergency Vehicle Preemption Unit	2	Each
635E5570	Optical Detector	4	Each
635E5900	Pedestrian Push Button	2	Each
635E5910	Pedestrian Push Button Pole	2	Each
635E5922	Pedestrian Signal Head with Countdown Timer	2	Each
635E5930	Pedestrian Crossing Sign	2	Each
635E6200	Miscellaneous, Electrical	Lump Sum	LS
635E7000	Install Luminaire Pole	5	Each
635E8025	2.5" Rigid Galvanized Steel Conduit	1,590	Ft
635E8030	3" Rigid Galvanized Steel Conduit	775	Ft
635E8040	4" Rigid Galvanized Steel Conduit	1,190	Ft
635E8050	5" Rigid Galvanized Steel Conduit	10	Ft
635E8108	0.75" Rigid Conduit, Schedule 40	70	Ft
635E8115	1.5" Rigid Conduit, Schedule 40	280	Ft
635E8120	2" Rigid Conduit, Schedule 40	11,640	Ft
635E8130	3" Rigid Conduit, Schedule 40	1,560	Ft
635E8140	4" Rigid Conduit, Schedule 40	50	Ft
635E8215	1.5" Rigid Conduit, Schedule 80	20	Ft
635E8220	2" Rigid Conduit, Schedule 80	70	Ft
635E8230	3" Rigid Conduit, Schedule 80	2,090	Ft
635E8410	1/2" Innerduct, SDR 13.5	22,320	Ft
635E8420	1.5" Innerduct, SDR 13.5	120	Ft
635E8830	2/2/2/4 Aluminum Wire	17,660	Ft
635E9012	1/C #2 AWG Copper Wire	1,055	Ft
635E9014	1/C #4 AWG Copper Wire	240	Ft
635E9020	1/C #10 AWG Copper Wire	7,460	Ft
635E9302	2/C #14 AWG IMSA Copper Cable, K1	85	Ft
635E9304	4/C #14 AWG IMSA Copper Cable, K1	425	Ft
635E9305	5/C #14 AWG IMSA Copper Cable, K1	355	Ft
635E9307	7/C #14 AWG IMSA Copper Cable, K1	120	Ft
635E9325	25/C #14 AWG IMSA Copper Cable, K1	1,400	Ft
635E9710	2/C #10 AWG Copper Pole and Bracket Cable	4,040	Ft
635E9800	Preemption Cable	2,790	Ft

SECTION F ESTIMATE OF QUANTITIES

Bid Item Number	Item	Quantity	Unit
120E6200	Water for Granular Material	425.0	MGal
260E1010	Base Course	6,444.0	Ton
260E2010	Gravel Cushion	27,596.0	Ton
260E3010	Gravel Surfacing	608.0	Ton
320E1200	Asphalt Concrete Composite	3,179.0	Ton
380E0070	9" Nonreinforced PCC Pavement	838.0	SqYd
380E0090	10" Nonreinforced PCC Pavement	62,383.0	SqYd
380E2564	4" Barrier Type Colored Median PCC Pavement	2,548.0	SqYd
380E6000	Dowel Bar	44,255	Each
380E6110	Insert Steel Bar in PCC Pavement	24	Each

SURFACING THICKNESS DIMENSIONS

Plans quantity will be applied even though the thickness may vary from that shown on the plans.

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

SAWING IN EXISTING SURFACING

Where new Portland Cement Concrete Pavement (PCCP) or new asphalt concrete is placed adjacent to existing asphalt concrete or PCCP, the existing pavement shall be sawed full depth to a true line with a vertical face. No separate payment shall be made for sawing.

9" OR 10" NONREINFORCED PCC PAVEMENT

The fine aggregate shall be screened over a 1 inch square opening screen just prior to introduction into the concrete paving mix. The Contractor will screen all of the aggregate to prevent the incorporation of foreign materials (i.e.: mud balls) into the concrete mix.

Fine aggregate shall conform to Section 800.2.D Alkali Silica Reactivity (ASR) Requirements of the Specifications.

The concrete used in Portland Cement Concrete Pavement shall have a minimum cement content of 480 pounds per cubic yard and a fly ash content of 120 pounds per cubic yard.

Automatic dowel bar inserters will not be allowed on this project.

A construction joint will be sawed whenever new concrete pavement is placed adjacent to existing concrete pavement.

The transverse contraction joints shall be perpendicular to the centerline as detailed in the standard plates 380.01 and 380.08. In multilane areas the transverse contraction joints shall be perpendicular to the centerline and be in a straight line across the width of the pavement. In special situations the Engineer may pre-approve transverse contraction joints that do not meet these requirements. All nonconforming transverse contraction joints that are not pre-approved shall be removed at the Contractor's expense. Any method of placement that cannot produce these requirements shall not be allowed to continue.

In addition to traditional field inspection of reinforcement, a Ground Penetrating Radar (GPR) unit may be used to verify reinforcement locations in the hardened concrete. The GPR may be used anytime prior to the Acceptance of Field Work being issued. All costs related to corrective measures, including but not limited to concrete removal or cutting of reinforcement, price deducts, and delays to the project schedule shall be the responsibility of the Contractor.

There will be no direct payment for trimming of the gravel cushion for PCC pavement. The trimming will be considered incidental to the related items required for PCC Pavement. Trimming shall be performed as required by Section 380.3 C. of the Specifications.

The surface of the mainline paving shall be longitudinally tined. All other areas shall be tined as directed by the Engineer. The surface of the mainline paving shall be tined to within 2 or 3 feet of the face of the curb.

The mainline pavement station 717+07.63 to station 786+00.00 shall be tested for smoothness with a Contractor furnished and operated 25 foot California style profilograph in accordance with Section 380.3 O 2 of the Standard Specifications.

TABLE OF 9" NON-REINFORCED PCC PAVEMENT

Station	to Station	L/R	Width	Quantity (SqYd)	Gravel Cushion (Tons) *	Water (MGal)	Dowel Bars (each)
759+29	760+70	L	Varies	419	179	2	293
759+29	760+70	R	Varies	419	179	2	293
Total:				838	358	4	587

* Includes gravel cushion under adjacent curb and gutter

TABLE OF 10" NON-REINFORCED PCC PAVEMENT

Station	to Station	L/R	Width	Quantity (SqYd)	Gravel Cushion (Tons) *	Water (Mgal)	Dowel Bars (each)
717+07	730+70	L	36'	5,486	2,408	29	3,840
717+07	730+70	R	36'-60'	6,742	2,827	34	4,719
730+70	732+83	L/R	104'	2,454	820	10	1,718
732+83	759+21	L	60'-36'	12,022	5,129	62	8,415
732+83	759+21	R	36'-48'	11,127	4,830	58	7,789
759+21	760+77	L/R	104'	1,803	602	7	1,262
760+77	784+42	L	48'-36'	10,066	4,360	52	7,046
760+77	784+42	R	36'-60-	10,864	4,627	56	7,605
784+42	786+00	L/R	104	1,820	608	7	1,274
Total:				62,383	26,211	315	43,668

* Includes gravel cushion under adjacent curb and gutter

