



Planning & Engineering  
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March 17, 2023

**ADDENDUM NO. 2**

**RE: Item #3, March 22, 2023 Letting - PH 0010(152), PCN 06K5, Codington, Deuel, Kingsbury,  
Roberts County - Grading, Culvert Extensions, PCC Surfacing, Asphalt Concrete Surfacing**

**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 Index of Special Provisions and replace with attached Index of Special Provisions revised 3/17/23.

Please insert the "Special Provision for Bond Breaker Fabric", dated 3/17/23 after the "Special Provision for Contract Time", dated 1/17/23.

**SDEBS BID PROPOSAL:** NO CHANGE

**PLANS:** NO CHANGE

Sincerely,

Sam Weisgram  
Engineering Supervisor

SW/cj

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

**REV 3/17/23**

**INDEX OF SPECIAL PROVISIONS**

**PROJECT NUMBER(S): PH 0010(152) PCN: 06K5**

**TYPE OF WORK: GRADING, CULVERT EXTENSIONS, PCC SURFACING, ASPHALT CONCRETE SURFACING**

**COUNTIES: CODINGTON, DEUEL, KINGSBURY, ROBERTS**

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.

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.

Scott Kwasniewski, Sara Garbe, Lisa Johnson is the official in charge of the Brookings, Sioux Falls, Watertown Career Center for Codington, Deuel, Kingsbury, Roberts Counties.

**THE FOLLOWING ITEMS ARE INCLUDED IN THIS PROPOSAL FORM:**

**Special Provision for Contract Time, dated 1/17/23.**

**Special Provision for Geotextile Bond Breaker Fabric, dated 3/17/23**

**Special Provision for Indian Employment and Contracting  
Sisseton-Wahpeton Oyate, dated 1/18/23.**

**Special Provision for Contractor Staking, dated 2/9/23.**

Special Provision for Restriction on Contracts with Prohibited Entities, dated 1/25/23. Special Provision for Buy America, dated 1/20/23.

Special Provision for Liability Insurance, dated 4/21/22.

Special Provision for Responsibility for Damage Claims, dated 4/21/22.

Special Provision for Grass Seed Substitution, dated 2/9/23.

Special Provision for Restriction of Boycott of Israel, dated 1/31/20.

Special Provision for Contractor Administered Preconstruction Meeting, dated 12/18/19.

Fuel Adjustment Affidavit, DOT form 208 dated 7/15.

Standard Title VI Assurance, dated 3/1/16.

Special Provision For Disadvantaged Business Enterprise, dated 8/14/18.

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. July 5, 2022), dated 7/12/22.

Required Contract Provisions Federal-Aid Construction Contracts, Form FHWA 1273 (Rev. 7/5/22).

Special Provision Regarding Minimum Wage on Federal-Aid Projects, dated 10/24/19.  
Wage and Hour Division US Department of Labor Washington DC. - US Dept. of Labor Decision  
Number SD180001, dated 4/6/18.

Special Provision for Supplemental Specifications to 2015 Standard Specifications for  
Roads and Bridges, dated 9/7/22.

Special Provision for Price Schedule for Miscellaneous Items, dated 10/7/20.

Special Provision Regarding Storm Water Discharge to Waters of the United States Within  
Indian Reservations, dated 9/7/22.

National Pollutant Discharge Elimination System General Permit for Discharges from  
Large and Small Construction Activities.

<https://www.epa.gov/system/files/documents/2022-01/2022-cgp-final-permit.pdf>

**STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION  
FOR  
GEOTEXTILE BOND BREAKER FABRIC**

**PROJECT PH 0010(152); PCN 06K5  
CODINGTON, DEUEL, KINGSBURY, & ROBERTS COUNTIES**

**MARCH 17, 2023**

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**GEOTEXTILE BOND BREAKER FABRIC**

The geotextile bond breaker fabric will comply with the following requirements:

**Specifications for geotextile interlayer material**

<b>Property</b>	<b>Requirements<sup>1</sup></b>	<b>Test Procedure</b>
Geotextile type	Nonwoven, needle-punched geotextile, no thermal treatment (calendaring or IR)	Manufacturer Certificate of Compliance
Color	White/nominally same-color fibers	Visual Inspection
Mass per unit area	≥ 500 g/m <sup>2</sup> (14.7 oz/yd <sup>2</sup> ) ≤ 550 g/m <sup>2</sup> (16.2 oz/yd <sup>2</sup> )	ASTM D 5261
Thickness under load (pressure)	[a] At 2 kPa (0.29 psi): ≥ 3.0 mm (0.12 in) [b] At 20 kPa (2.9 psi): ≥ 2.5 mm (0.10 in) [c] At 200 kPa (29 psi): ≥ 1.0 mm (0.04 in)	ASTM D 5199
Wide-width tensile strength	≥ 10 kN/m (685 lb/ft)	ASTM D 4595
Wide-width maximum elongation	≤ 130%	ASTM D 4595
Water permeability in normal direction under load (pressure)	At 20 kPa (2.9 psi): ≥ 1x10 <sup>-4</sup> m/s (3.3x10 <sup>-4</sup> ft/s)	Mod. ASTM D 5493 or ASTM D 4491
In-plane water permeability (transmissivity) under load (pressure)	[a] At 20 kPa (2.9 psi): ≥ 5x10 <sup>-4</sup> m/s (1.6x10 <sup>-3</sup> ft/s) [b] At 200 kPa (29 psi): ≥ 2x10 <sup>-4</sup> m/s (6.6x10 <sup>-4</sup> ft/s)	Mod. ASTM D 6574 or ASTM D 4716
Weather resistance	Retained strength ≥ 60%	ASTM D 4355 @ 500 hrs. exposure
Alkali resistance	≥ 96% polypropylene/polyethylene	Manufacturer certification of polymer

1. Minimum average roll value (MARV) requirements will conform to AASHTO M288 which require a 97.7% degree of confidence.

The geotextile bond breaker fabric will be rolled out without excess wrinkles and folds. The geotextile bond breaker fabric will be covered with the concrete pavement within 7 calendar days. The geotextile bond breaker fabric on the shoulder of the roadway will be covered with the shoulder material within 21 calendar days.

The geotextile bond breaker fabric will be securely held in place as recommended by the manufacturer and approved by the Engineer to ensure the geotextile bond breaker fabric does not shift or fold prior to or during concrete placement for any reason including but not limited to wind, rain, construction traffic, and concrete placement.

Where the geotextile bond breaker fabric is spliced or overlapped, the geotextile bond breaker fabric will be overlapped  $8 \pm 2$  inches. In no case will more than three layers of the geotextile bond breaker fabric overlap. In order to meet this requirement, the Contractor will stagger the transverse seams from adjacent rolls.

The Contractor will overlap the end of one roll and the beginning of the next consistent with the direction of paving so the end of one roll lies atop the beginning of the next roll.

The geotextile bond breaker fabric will extend beyond the edge of the new concrete as shown in the typical sections.

The Contractor will maintain the geotextile bond breaker fabric after it is placed throughout its entire length until the PCC paving and shoulder material is completed. The Contractor will correct any deficiencies to the satisfaction of the Engineer. Driving on the geotextile bond breaker fabric will be kept to a minimum and will not include tight radius turns or hard accelerations or braking.

The Contractor will repair any geotextile bond breaker fabric that is damaged. The Contractor will also remove and replace any geotextile bond breaker fabric to be covered with the concrete pavement that is left exposed for more than 7 calendar days. The Contractor will also remove and replace any geotextile bond breaker fabric on the shoulder of the roadway that is left exposed more than 21 calendar days. No additional payment will be made to repair, remove, or replace geotextile bond breaker fabric.

Geotextile Bond Breaker Fabric will be measured to the nearest 0.1 square yard. No measurement will be made for geotextile bond breaker fabric overlaps. Geotextile Bond Breaker Fabric will be paid for at the contract unit price per square yard. Payment will be full compensation for all labor, materials, equipment, and all incidentals necessary to furnish and install the fabric.

### **CONCRETE PLACEMENT ON GEOTEXTILE BOND BREAKER FABRIC**

If the surface temperature of the geotextile bond breaker fabric is above 110°F, the Contractor will apply water to the surface of the geotextile bond breaker fabric. The water will be applied at a time and at a rate such that no pools of water form.

The concrete will be deposited on the geotextile bond breaker fabric so as to require as little re-handling as possible. Unless hauling equipment is equipped to discharge the concrete without segregation, the concrete will be unloaded into an approved spreading device and mechanically spread on the geotextile bond breaker fabric without segregation of the materials.

Vehicles tracking earth or foreign substances will not be allowed to drive through or back into fresh mixed concrete. Equipment dropping earth or foreign substances from the unit will not be allowed over the fresh mixed concrete.

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