

April 11, 2025

**ADDENDUM NO. 1**

**RE: Item #8, April 16, 2025 Letting - NH-P 0011(317), PCN 09KV, Brown, Day, Edmunds,  
Marshall, McPherson County - Asphalt Surface Treatment**

**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 330E0300 "SS-1h or CSS-1h Asphalt for Fog Seal" changed from 508.1 to 575.7 Ton  
Bid Item 360E0042 "CRS-2P Asphalt for Surface Treatment" changed from 2,758.1 to 2,895.6 Ton  
Bid Item 360E1010 "Type 1A Cover Aggregate" changed from 80.4 to 77.0 Ton

**PLANS:** Please destroy sheets 7, 9, 10, 11, 13, 14, 15, & 16 and replace with the enclosed sheets, dated 4/10/2025

**Sheet 7:** **Quantities for Bid Items were changed:**  
Bid Item 330E0300 "SS-1h or CSS-1h Asphalt for Fog Seal" changed from 508.1 to 575.7 Ton  
Bid Item 360E0042 "CRS-2P Asphalt for Surface Treatment" changed from 2,758.1 to 2,895.6 Ton  
Bid Item 360E1010 "Type 1A Cover Aggregate" changed from 80.4 to 77.0 Ton

**Sheet 9:** QUANTITIES BY SEGMENT – FOR INFORMATION ONLY table was revised.

**Sheets 10 & 11:** ASPHALT SURFACE TREATMENT QUANTITIES BY SEGMENT – FOR INFORMATION ONLY was revised.

**Sheets 13, 14, 15 & 16:** RATES OF MATERIAL COVERAGE tables and notes were revised.

Sincerely,

Sam Weisgram  
Engineering Supervisor

SW/cj

CC: Mark Peterson, Aberdeen Region Engineer  
Lane Goldsmith, Aberdeen Area Engineer

# ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

| STATE OF<br>SOUTH<br>DAKOTA | PROJECT        | SHEET | TOTAL<br>SHEETS |
|-----------------------------|----------------|-------|-----------------|
|                             | NH-P 0011(317) | 7     | 46              |

Revised 4/10/2025 DJT & MW

| BID ITEM<br>NUMBER | ITEM                                                                          | QUANTITY | UNIT |
|--------------------|-------------------------------------------------------------------------------|----------|------|
| 009E0010           | Mobilization                                                                  | Lump Sum | LS   |
| 330E0210           | SS-1h or CSS-1h Asphalt for Flush Seal                                        | 9.0      | Ton  |
| 330E0300           | SS-1h or CSS-1h Asphalt for Fog Seal                                          | 575.7    | Ton  |
| 330E2000           | Sand for Flush Seal                                                           | 3.0      | Ton  |
| 330E3000           | Sand for Fog Seal                                                             | 40.0     | Ton  |
| 360E0042           | CRS-2P Asphalt for Surface Treatment                                          | 2,895.6  | Ton  |
| 360E1010           | Type 1A Cover Aggregate                                                       | 6,209.6  | Ton  |
| 360E1010           | Type 1A Cover Aggregate                                                       | 77.0     | Ton  |
| 360E1010           | Type 1A Cover Aggregate                                                       | 1,132.5  | Ton  |
| 360E1010           | Type 1A Cover Aggregate                                                       | 1,876.1  | Ton  |
| 360E1010           | Type 1A Cover Aggregate                                                       | 4,183.4  | Ton  |
| 360E1010           | Type 1A Cover Aggregate                                                       | 2,248.3  | Ton  |
| 360E1010           | Type 1A Cover Aggregate                                                       | 1,957.1  | Ton  |
| 360E1010           | Type 1A Cover Aggregate                                                       | 2,033.9  | Ton  |
| 633E0040           | Cold Applied Plastic Pavement Marking, Arrow                                  | 2        | Each |
| 633E0046           | Cold Applied Plastic Pavement Marking, Lane Reduction Arrow                   | 1        | Each |
| 633E1200           | High Build Waterborne Pavement Marking Paint, White                           | 6,858    | Gal  |
| 633E1205           | High Build Waterborne Pavement Marking Paint, Yellow                          | 1,610    | Gal  |
| 633E1206           | High Build Waterborne Pavement Marking Paint with Reflective Elements, Yellow | 420      | Gal  |
| 633E6020           | Pavement Marking Masking, 25"                                                 | 394      | Ft   |
| 633E6030           | Pavement Marking Masking, Arrow                                               | 16       | Each |
| 633E6036           | Pavement Marking Masking, Lane Reduction Arrow                                | 14       | Each |
| 634E0010           | Flagging                                                                      | 1,550.0  | Hour |
| 634E0020           | Pilot Car                                                                     | 359.0    | Hour |
| 634E0110           | Traffic Control Signs                                                         | 3,333.6  | SqFt |
| 634E0120           | Traffic Control, Miscellaneous                                                | Lump Sum | LS   |
| 634E0565           | Remove Pavement Marking, Arrow                                                | 2        | Each |
| 634E0630           | Temporary Pavement Marking                                                    | 359.6    | Mile |

## SPECIFICATIONS

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

## ENVIRONMENTAL COMMITMENTS

The SDDOT is committed to protecting the environment and uses Environmental Commitments as a communication tool for the Engineer and Contractor to ensure that attention is given to avoid, minimize, and/or mitigate an environmental impact. Environmental commitments to various agencies and the public have been made to secure approval of this project. An agency with permitting authority can delay a project if identified environmental impacts have not been adequately addressed. Unless otherwise designated, the Contractor's primary contact regarding matters associated with these commitments will be the Project Engineer. During construction, the Project Engineer will verify that the Contractor has met Environmental Commitment requirements. These environmental commitments are not subject to change without prior written approval from the SDDOT Environmental Office.

Additional guidance on SDDOT's Environmental Commitments can be accessed through the Environmental Procedures Manual found at: <<https://dot.sd.gov/media/documents/EnvironmentalProceduresManual.pdf>>

For questions regarding change orders in the field that may have an effect on an Environmental Commitment, the Project Engineer will contact the Environmental Engineer at 605-773-3180 or 605-773-4336 to determine whether an environmental analysis and/or resource agency coordination is necessary.

Once construction is complete, the Project Engineer will review all environmental commitments for the project and document their completion.

## COMMITMENT B: FEDERALLY THREATENED, ENDANGERED, AND PROTECTED SPECIES

### COMMITMENT B2: WHOOPING CRANE

The Whooping Crane is a spring and fall migratory bird in South Dakota that is about 5 feet tall and typically stops on wetlands, rivers, and agricultural lands along their migration route. An adult Whooping Crane is white with a red crown and a long, dark, pointed bill. Immature Whooping Cranes are cinnamon brown. While in flight, their long necks are kept straight and their long dark legs trail behind. Adult Whooping Cranes' black wing tips are visible during flight.

#### Action Taken/Required:

Harassment or other measures to cause the Whooping Crane to leave the site is a violation of the Endangered Species Act. If a Whooping Crane is sighted roosting in the vicinity of the project, borrow pits, or staging areas associated with the project, cease construction activities in the affected area until the Whooping Crane departs and immediately contact the Project Engineer. The Project Engineer will contact the Environmental Office so that the sighting can be reported to USFWS.

## COMMITMENT B4: BALD EAGLE

Bald eagles are known to occur in this area.

#### Action Taken/Required:

If a nest is observed within one mile of the project site, notify the Project Engineer immediately so that he/she can consult with the Environmental Office for an appropriate course of action.

## COMMITMENT C: WATER SOURCE

The Contractor will not withdraw water with equipment previously used outside the State of South Dakota or previously used in aquatic invasive species (AIS) positive waters within South Dakota without prior approval from the SDDOT Environmental Office. To prevent and control the introduction and spread of invasive species into the project vicinity, all equipment will be power washed with hot water (≥140 °F) and completely dried for a minimum of 7 days prior to subsequent use. South Dakota administrative rule 41:10:04:02 forbids the possession and transport of AIS; therefore, all attached dirt, mud, debris and vegetation must be removed and all compartments and tanks capable of holding standing water must be drained. This includes, but is not limited to, all equipment, pumps, lines, hoses and holding tanks.

The Contractor will not withdraw water directly from streams of the James, Big Sioux, and Vermillion watersheds without prior approval from the SDDOT Environmental Office.

#### Action Taken/Required:

The Contractor will obtain the necessary permits from the regulatory agencies such as the South Dakota Department of Agriculture and Natural Resources (DANR) and the United States Army Corps of Engineers (USACE) prior to water extraction activities.

Additional information and mapping of water sources impacted by Aquatic Invasive Species in South Dakota can be accessed at: < <https://sdleastwanted.sd.gov/maps/default.aspx>>

< [South Dakota Administrative Rule 41:10:04 Aquatic Invasive Species: https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04](https://sdlegislature.gov/rules/DisplayRule.aspx?Rule=41:10:04) >

## COMMITMENT E: STORM WATER

Construction activities constitute less than 1 acre of disturbance.

#### Action Taken/Required:

At a minimum and regardless of project size, appropriate erosion and sediment control measures must be installed to control the discharge of pollutants from the construction site.

| QUANTITIES BY SEGMENT - FOR INFORMATION ONLY |                                                                               |                |                |                 |                |                |                 |                |                |                |                |         |
|----------------------------------------------|-------------------------------------------------------------------------------|----------------|----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|---------|
| SBI Nbr                                      | SBI Description                                                               | Seg. 1 - SD 10 | Seg. 2 - SD 45 | Seg. 3 - SD 239 | Seg. 4 - SD 45 | Seg. 5 - US 12 | Seg. 6 - US 12W | Seg. 7 - SD 37 | Seg. 8 - SD 25 | Seg. 9 - SD 25 | Total Quantity | Unit    |
| 009E0010                                     | Mobilization                                                                  |                |                |                 |                |                |                 |                |                |                | 1              | LS      |
| 330E0210                                     | SS-1h or CSS-1h Asphalt for Flush Seal                                        |                |                |                 |                |                | 9.0             |                |                |                | 9.0            | Ton     |
| 330E0300                                     | SS-1h or CSS-1h Asphalt for Fog Seal                                          | 167.9          | 2.1            | 30.6            | 50.7           | 113.1          |                 | 77.8           | 78.4           | 55.0           | 575.7          | Ton     |
| 330E2000                                     | Sand for Flush Seal                                                           |                |                |                 |                |                | 3               |                |                |                | 3              | Ton     |
| 330E3000                                     | Sand for Fog Seal                                                             | 5              | 5              | 5               | 5              | 5              |                 | 5              | 5              | 5              | 40             | Ton     |
| 360E0042                                     | CRS-2P Asphalt for Surface Treatment                                          | 911.7          | 11.3           | 166.3           | 275.4          | 614.9          |                 | 330.1          | 287.3          | 298.6          | 2895.6         | Ton     |
| 360E1010                                     | Type 1A Cover Aggregate                                                       | 6209.6         |                |                 |                |                |                 |                |                |                | 6209.6         | Ton     |
| 360E1010                                     | Type 1A Cover Aggregate                                                       |                | 77.0           |                 |                |                |                 |                |                |                | 77.0           | Ton     |
| 360E1010                                     | Type 1A Cover Aggregate                                                       |                |                | 1132.5          |                |                |                 |                |                |                | 1132.5         | Ton     |
| 360E1010                                     | Type 1A Cover Aggregate                                                       |                |                |                 | 1876.1         |                |                 |                |                |                | 1876.1         | Ton     |
| 360E1010                                     | Type 1A Cover Aggregate                                                       |                |                |                 |                | 4183.4         |                 |                |                |                | 4183.4         | Ton     |
| 360E1010                                     | Type 1A Cover Aggregate                                                       |                |                |                 |                |                |                 | 2248.3         |                |                | 2248.3         | Ton     |
| 360E1010                                     | Type 1A Cover Aggregate                                                       |                |                |                 |                |                |                 |                | 1957.1         |                | 1957.1         | Ton     |
| 360E1010                                     | Type 1A Cover Aggregate                                                       |                |                |                 |                |                |                 |                |                | 2033.9         | 2033.9         | Ton     |
| 633E0040                                     | Cold Applied Plastic Pavement Marking, Arrow                                  | 2              |                |                 |                |                |                 |                |                |                | 2              | Each    |
| 633E0046                                     | Cold Applied Plastic Pavement Marking, Lane Reduction Arrow                   | 1              |                |                 |                |                |                 |                |                |                | 1              | Each    |
| 633E1200                                     | High Build Waterborne Pavement Marking Paint, White                           | 1834           | 16             | 407             | 1683           | 840            |                 | 775            | 674            | 629            | 6858           | Gal     |
| 633E1205                                     | High Build Waterborne Pavement Marking Paint, Yellow                          | 665            | 19             | 126             | 359            |                |                 | 129            | 162            | 150            | 1610           | Gal     |
| 633E1206                                     | High Build Waterborne Pavement Marking Paint with Reflective Elements, Yellow |                |                |                 |                | 420            |                 |                |                |                | 420            | Gal     |
| 633E6020                                     | Pavement Marking Masking, 25"                                                 | 30             |                |                 |                | 334            |                 |                |                | 30             | 394            | Ft      |
| 633E6030                                     | Pavement Marking Masking, Turn Arrow                                          | 4              |                |                 |                | 12             |                 |                |                |                | 16             | EA      |
| 633E6036                                     | Pavement Marking Masking, Lane Reduction Arrow                                | 2              |                |                 |                | 12             |                 |                |                |                | 14             | EA      |
| 634E0010                                     | Flagging                                                                      | 450            | 20             | 140             | 160            | 250            |                 | 230            | 160            | 140            | 1550           | Hour    |
| 634E0020                                     | Pilot Car                                                                     | 100            | 4              | 30              | 40             | 60             |                 | 55             | 40             | 30             | 359            | Hour    |
| 634E0110                                     | Traffic Control Signs                                                         | 794.0          | 231.4          | 253.0           | 306.6          | 420.2          | 155.0           | 372.8          | 395.8          | 404.8          | 3333.6         | Sq. Ft. |
| 634E0120                                     | Traffic Control, Miscellaneous                                                |                |                |                 |                |                |                 |                |                |                | 1              | LS      |
| 634E0565                                     | Remove Pavement Marking, Arrow                                                | 2              |                |                 |                |                |                 |                |                |                | 2              | EA      |
| 634E0630                                     | Temporary Pavement Marking                                                    | 113.912        | 1.416          | 24.487          | 45.945         | 56.115         |                 | 42.643         | 38.894         | 36.234         | 359.646        | Mile    |

Revised 4/10/2025 DJT & MW

| ASPHALT SURFACE TREATMENT QUANTITIES BY SEGMENT - FOR INFORMATION ONLY 1 OF 2 |         |              |            |                                     |                                                           |                                    |                              |                                                                              |              |                                        |                                                    |                                             |                                               |                               |                            |                                   |                                            |  |
|-------------------------------------------------------------------------------|---------|--------------|------------|-------------------------------------|-----------------------------------------------------------|------------------------------------|------------------------------|------------------------------------------------------------------------------|--------------|----------------------------------------|----------------------------------------------------|---------------------------------------------|-----------------------------------------------|-------------------------------|----------------------------|-----------------------------------|--------------------------------------------|--|
| Seg-<br>ment                                                                  | Route   | FROM STATION | TO STATION | Width of<br>Surface<br>Treatment FT | Width of<br>Type 1A<br>Cover<br>AggregateTr<br>eatment FT | Width of<br>Asphalt Fog<br>Seal FT | Width of<br>Flush Seal<br>FT | NOTE                                                                         | LENGTH FT    | Area of CRS-2P Surface<br>Treatment SY | Area of Type 1A Cover<br>Aggregate Treatment<br>SY | Area of SS-1h/CSS-1h<br>Asphalt Fog Seal SY | Area of SS-1h/CSS-1h<br>Asphalt Flush Seal SY | VOL CRS-2P SURF<br>TREAT TONS | WEIGHT COVER MAT'L<br>TONS | VOL SS-1h/CSS-1h FOG<br>SEAL TONS | VOL SS-<br>1h/CSS-1h<br>FLUSH SEAL<br>TONS |  |
| 1                                                                             | HWY 10  | 0+00.00      | 174+24.00  | 28.0                                | 28.0                                                      | 28.0                               |                              |                                                                              | 17424.0      | 54208.0                                | 54208.0                                            | 54208.0                                     |                                               | 87.55                         | 596.29                     | 16.14                             |                                            |  |
| 1                                                                             | HWY 10  | 174+24.00    | 211+20.00  | 28.0                                | 28.0                                                      | 28.0                               |                              |                                                                              | 3696.0       | 11498.7                                | 11498.7                                            | 11498.7                                     |                                               | 18.57                         | 126.49                     | 3.42                              |                                            |  |
| 1                                                                             | HWY 10  | 211+20.00    | 248+68.80  | 36.0                                | 36.0                                                      | 36.0                               |                              |                                                                              | 3748.8       | 14995.2                                | 14995.2                                            | 14995.2                                     |                                               | 24.22                         | 164.95                     | 4.46                              |                                            |  |
| 1                                                                             | HWY 10  | 248+68.80    | 438+24.00  | 36.0                                | 36.0                                                      | 36.0                               |                              |                                                                              | 18955.2      | 75820.8                                | 75820.8                                            | 75820.8                                     |                                               | 122.45                        | 834.03                     | 22.56                             |                                            |  |
| 1                                                                             | HWY 10  | 438+24.00    | 702+24.00  | 28.0                                | 28.0                                                      | 28.0                               |                              |                                                                              | 26400.0      | 82133.3                                | 82133.3                                            | 82133.3                                     |                                               | 132.65                        | 903.47                     | 24.45                             |                                            |  |
| 1                                                                             | HWY 10  | 601+92.00    | 616+70.40  | 14.0                                | 14.0                                                      | 14.0                               |                              | North WB Accel / Turn lane                                                   | 1478.4       | 2299.7                                 | 2299.7                                             | 2299.7                                      |                                               | 3.71                          | 25.30                      | 0.68                              |                                            |  |
| 1                                                                             | HWY 10  | 702+24.00    | 1056+00.00 | 28.0                                | 28.0                                                      | 28.0                               |                              |                                                                              | 35376.0      | 110058.7                               | 110058.7                                           | 110058.7                                    |                                               | 177.75                        | 1210.65                    | 32.76                             |                                            |  |
| 1                                                                             | HWY 10  | 1056+00.00   | 1494+24.00 | 28.0                                | 28.0                                                      | 28.0                               |                              |                                                                              | 43824.0      | 136341.3                               | 136341.3                                           | 136341.3                                    |                                               | 220.20                        | 1499.75                    | 40.59                             |                                            |  |
| 1                                                                             | HWY 10  | 1494+24.00   | 1742+24.20 | 28.0                                | 28.0                                                      | 28.0                               |                              |                                                                              | 24800.2      | 77156.2                                | 77156.2                                            | 77156.2                                     |                                               | 124.61                        | 848.72                     | 22.97                             |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | FT 175702.60 | 564511.9                               | 564511.9                                           | 564511.9                                    | Tons                                          | 911.70                        | 6209.63                    | 167.94                            |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | MI 33.277    |                                        |                                                    |                                             |                                               |                               |                            |                                   |                                            |  |
| 2                                                                             | HWY 45  | 0+00.00      | 14+30.90   | 44.0                                | 44.0                                                      | 44.0                               |                              |                                                                              | FT 1430.90   | 7305.2                                 | 7305.2                                             | 7305.2                                      | Tons                                          | 11.30                         | 76.95                      | 2.08                              |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | MI 0.271     |                                        |                                                    |                                             | T per MI                                      | 41.69                         | 283.95                     | 7.68                              |                                            |  |
| 3                                                                             | HWY 239 | 0+00.00      | 53+32.80   | 24.0                                | 24.0                                                      | 24.0                               |                              | INT of HWY 10 & HWY 239                                                      | 5332.8       | 14220.8                                | 14220.8                                            | 14220.8                                     |                                               | 22.97                         | 156.43                     | 4.23                              |                                            |  |
| 3                                                                             | HWY 239 | 53+32.80     | 158+92.80  | 24.0                                | 24.0                                                      | 24.0                               |                              |                                                                              | 10560.0      | 28160.0                                | 28160.0                                            | 28160.0                                     |                                               | 45.48                         | 309.76                     | 8.38                              |                                            |  |
| 3                                                                             | HWY 239 | 158+92.80    | 211+72.80  | 24.0                                | 24.0                                                      | 24.0                               |                              |                                                                              | 5280.0       | 14080.0                                | 14080.0                                            | 14080.0                                     |                                               | 22.74                         | 154.88                     | 4.19                              |                                            |  |
| 3                                                                             | HWY 239 | 211+72.80    | 317+32.80  | 24.0                                | 24.0                                                      | 24.0                               |                              |                                                                              | 10560.0      | 28160.0                                | 28160.0                                            | 28160.0                                     |                                               | 45.48                         | 309.76                     | 8.38                              |                                            |  |
| 3                                                                             | HWY 239 | 317+32.80    | 386+07.40  | 24.0                                | 24.0                                                      | 24.0                               |                              |                                                                              | 6874.6       | 18332.3                                | 18332.3                                            | 18332.3                                     |                                               | 29.61                         | 201.65                     | 5.45                              |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | FT 38607.40  | 102953.1                               | 102953.1                                           | 102953.1                                    | Tons                                          | 166.27                        | 1132.48                    | 30.63                             |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | MI 7.312     |                                        |                                                    |                                             |                                               |                               |                            |                                   |                                            |  |
| 4                                                                             | HWY 45  | 0+00.00      | 16+36.80   | 24.0                                | 24.0                                                      | 24.0                               |                              | INT of HWY 10 & HWY 45                                                       | 1636.8       | 4364.8                                 | 4364.8                                             | 4364.8                                      |                                               | 7.05                          | 48.01                      | 1.30                              |                                            |  |
| 4                                                                             | HWY 45  | 16+36.80     | 54+38.40   | 24.0                                | 24.0                                                      | 24.0                               |                              | No shoulder                                                                  | 3801.6       | 10137.6                                | 10137.6                                            | 10137.6                                     |                                               | 16.37                         | 111.51                     | 3.02                              |                                            |  |
| 4                                                                             | HWY 45  | 54+38.40     | 639+56.60  | 24.0                                | 24.0                                                      | 24.0                               |                              | No shoulder                                                                  | 58518.2      | 156048.5                               | 156048.5                                           | 156048.5                                    |                                               | 252.02                        | 1716.53                    | 46.42                             |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | FT 63956.60  | 170550.9                               | 170550.9                                           | 170550.9                                    | Tons                                          | 275.44                        | 1876.06                    | 50.74                             |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | MI 12.113    |                                        |                                                    |                                             |                                               |                               |                            |                                   |                                            |  |
| 5                                                                             | HWY 12  | 0+00.00      | 467+80.80  | 34.0                                | 34.0                                                      | 34.0                               |                              |                                                                              | 46780.8      | 176727.5                               | 176727.5                                           | 176727.5                                    |                                               | 285.41                        | 1944.00                    | 52.58                             |                                            |  |
| 5                                                                             | HWY 12  | 456+08.64    | 465+16.80  | 12.0                                | 12.0                                                      | 12.0                               |                              | South EB Accel / Turn lane                                                   | 908.2        | 1210.9                                 | 1210.9                                             | 1210.9                                      |                                               | 1.96                          | 13.32                      | 0.36                              |                                            |  |
| 5                                                                             | HWY 12  | 0+00.00      | 459+88.80  |                                     |                                                           |                                    |                              | SD 253                                                                       |              | 1889.0                                 | 1889.0                                             | 1889.0                                      |                                               | 2.69                          | 20.78                      | 0.50                              |                                            |  |
| 5                                                                             | HWY 12  | 0+00.00      | 459+88.80  |                                     |                                                           |                                    |                              | 336th Ave                                                                    |              | 465.0                                  | 465.0                                              | 465.0                                       |                                               | 0.66                          | 5.12                       | 0.12                              |                                            |  |
| 5                                                                             | HWY 12  | 456+08.64    | 467+80.80  | 12.0                                | 12.0                                                      | 12.0                               |                              | North WB Accel / Turn lane                                                   | 1172.2       | 1562.9                                 | 1562.9                                             | 1562.9                                      |                                               | 2.52                          | 17.19                      | 0.46                              |                                            |  |
| 5                                                                             | HWY 12  | 467+80.80    | 734+44.80  | 56.0                                | 56.0                                                      | 56.0                               |                              |                                                                              | 26664.0      | 165909.3                               | 165909.3                                           | 165909.3                                    |                                               | 267.94                        | 1825.00                    | 49.36                             |                                            |  |
| 5                                                                             | HWY 12  | 709+10.40    | 729+16.80  | 12.0                                | 12.0                                                      | 12.0                               |                              | South EB Accel / Turn lane                                                   | 2006.4       | 2675.2                                 | 2675.2                                             | 2675.2                                      |                                               | 4.32                          | 29.43                      | 0.80                              |                                            |  |
| 5                                                                             | HWY 12  |              | 722+40.96  |                                     |                                                           |                                    |                              | 341st AVE                                                                    |              | 389.0                                  | 389.0                                              | 389.0                                       |                                               | 0.55                          | 4.28                       | 0.10                              |                                            |  |
| 5                                                                             | HWY 12  | 709+10.40    | 734+44.80  | 12.0                                | 12.0                                                      | 12.0                               |                              | North WB Accel / Turn lane                                                   | 2534.4       | 3379.2                                 | 3379.2                                             | 3379.2                                      |                                               | 5.46                          | 37.17                      | 1.01                              |                                            |  |
| 5                                                                             | HWY 12  | 734+44.80    | 765+60.00  | 46.0                                | 46.0                                                      | 46.0                               |                              |                                                                              | 3115.2       | 15922.1                                | 15922.1                                            | 15922.1                                     |                                               | 25.71                         | 175.14                     | 4.74                              |                                            |  |
| 5                                                                             | HWY 12  |              | 755+04.00  |                                     |                                                           |                                    |                              | C&B Operations                                                               |              | 180.0                                  | 180.0                                              | 180.0                                       |                                               | 0.26                          | 1.98                       | 0.05                              |                                            |  |
| 5                                                                             | HWY 12  |              | 786+68.34  |                                     |                                                           |                                    |                              | HWY 247                                                                      |              | 105.0                                  | 105.0                                              | 105.0                                       |                                               | 0.15                          | 1.16                       | 0.03                              |                                            |  |
| 5                                                                             | HWY 12  |              | 786+68.34  |                                     |                                                           |                                    |                              | Mitchell ST                                                                  |              | 105.0                                  | 105.0                                              | 105.0                                       |                                               | 0.15                          | 1.16                       | 0.03                              |                                            |  |
| 5                                                                             | HWY 12  | 765+60.00    | 787+61.80  | 40.0                                | 40.0                                                      | 40.0                               |                              | curbing both sides                                                           | 2201.8       | 9785.8                                 | 9785.8                                             | 9785.8                                      |                                               | 15.80                         | 107.64                     | 2.91                              |                                            |  |
| 5                                                                             | HWY 12  |              |            |                                     |                                                           |                                    |                              | Mailbox Widening 1                                                           |              | 30.0                                   | 30.0                                               | 30.0                                        |                                               | 0.26                          | 1.98                       | 0.05                              |                                            |  |
| 5                                                                             | HWY 12  |              |            |                                     |                                                           |                                    |                              | Mailbox Widening 2                                                           |              | 30.0                                   | 30.0                                               | 30.0                                        |                                               | 0.26                          | 1.98                       | 0.05                              |                                            |  |
| 5                                                                             | HWY 12  |              |            |                                     |                                                           |                                    |                              | Mailbox Widening 3                                                           |              | 30.0                                   | 30.0                                               | 30.0                                        |                                               | 0.26                          | 1.98                       | 0.05                              |                                            |  |
| 5                                                                             | HWY 12  |              |            |                                     |                                                           |                                    |                              | Mailbox Widening 4                                                           |              | 30.0                                   | 30.0                                               | 30.0                                        |                                               | 0.26                          | 1.98                       | 0.05                              |                                            |  |
| 5                                                                             | HWY 12  |              |            |                                     |                                                           |                                    |                              | Mailbox Widening 5                                                           |              | 30.0                                   | 30.0                                               | 30.0                                        |                                               | 0.26                          | 1.98                       | 0.05                              |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | FT 85382.92  | 380455.9                               | 380455.9                                           | 380455.9                                    | Tons                                          | 614.88                        | 4183.36                    | 113.14                            |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              |                                                                              | MI 16.171    |                                        |                                                    |                                             |                                               |                               |                            |                                   |                                            |  |
|                                                                               |         |              |            |                                     |                                                           |                                    |                              | Note: Summation of calculation lengths do not alter official project length. |              |                                        |                                                    |                                             |                                               |                               |                            |                                   |                                            |  |

Revised 4/10/2025 DJT & MW

| ASPHALT SURFACE TREATMENT QUANTITIES BY SEGMENT - FOR INFORMATION ONLY 1 OF 2 |         |              |            |                                        |                                                              |                                    |                              |                        |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
|-------------------------------------------------------------------------------|---------|--------------|------------|----------------------------------------|--------------------------------------------------------------|------------------------------------|------------------------------|------------------------|-----------|-------------------------------------------|----------------------------------------------------|---------------------------------------------|-----------------------------------------------|-------------------------------|----------------------------|-----------------------------------|--------------------------------------------|
| Seg-<br>ment                                                                  | Route   | FROM STATION | TO STATION | Width of<br>Surface<br>Treatment<br>FT | Width of<br>Type 1A<br>Cover<br>AggregateT<br>reatment<br>FT | Width of<br>Asphalt Fog<br>Seal FT | Width of<br>Flush Seal<br>FT | NOTE                   | LENGTH FT | Area of CRS-2P<br>Surface Treatment<br>SY | Area of Type 1A<br>Cover Aggregate<br>Treatment SY | Area of SS-1h/CSS-1h<br>Asphalt Fog Seal SY | Area of SS-1h/CSS-1h<br>Asphalt Flush Seal SY | VOL CRS-2P SURF<br>TREAT TONS | WEIGHT COVER<br>MAT'L TONS | VOL SS-1h/CSS-1h<br>FOG SEAL TONS | VOL SS-<br>1h/CSS-1h<br>FLUSH SEAL<br>TONS |
| 6                                                                             | HWY 12W | 0+00.00      | 155+49.60  |                                        |                                                              |                                    | 4.0                          | FT                     | 15549.6   |                                           |                                                    |                                             | 6910.9                                        |                               | Median                     |                                   | 1.30                                       |
| 6                                                                             | HWY 12W | 155+49.60    | 157+90.35  |                                        |                                                              |                                    |                              | 240.75' Exception      |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 6                                                                             | HWY 12W | 157+90.35    | 396+29.55  |                                        |                                                              |                                    | 4.0                          | FT                     | 23839.2   |                                           |                                                    |                                             | 10595.2                                       |                               | Median                     |                                   | 1.99                                       |
| 6                                                                             | HWY 12W | 396+29.55    | 404+60.05  |                                        |                                                              |                                    |                              | 830.5' Exception       |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 6                                                                             | HWY 12W | 404+60.05    | 444+84.00  |                                        |                                                              |                                    | 4.0                          | FT                     | 4024.0    |                                           |                                                    |                                             | 1788.4                                        |                               | Median                     |                                   | 0.34                                       |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | EACH FT                | 43412.75  |                                           |                                                    |                                             | 19294.6                                       |                               | Median                     | Tons                              | 3.62                                       |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | EACH MI                | 8.222     |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              |                        |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 6                                                                             | HWY 12W | 0+00.00      | 155+49.60  |                                        |                                                              |                                    | 6.0                          | FT                     | 15549.6   |                                           |                                                    |                                             | 10366.4                                       |                               | Outside                    |                                   | 1.94                                       |
| 6                                                                             | HWY 12W | 155+49.60    | 157+90.35  |                                        |                                                              |                                    |                              | 240.75' Exception      |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 6                                                                             | HWY 12W | 157+90.35    | 396+29.55  |                                        |                                                              |                                    | 6.0                          | FT                     | 23839.2   |                                           |                                                    |                                             | 15892.8                                       |                               | Outside                    |                                   | 2.98                                       |
| 6                                                                             | HWY 12W | 396+29.55    | 404+60.05  |                                        |                                                              |                                    |                              | 830.5' Exception       |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 6                                                                             | HWY 12W | 404+60.05    | 444+84.00  |                                        |                                                              |                                    | 6.0                          | FT                     | 4024.0    |                                           |                                                    |                                             | 2682.6                                        |                               | Outside                    |                                   | 0.50                                       |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | EACH FT                | 43412.75  |                                           |                                                    |                                             | 28941.8                                       |                               | Outside                    | Tons                              | 5.43                                       |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | EACH MI                | 8.222     |                                           |                                                    |                                             |                                               |                               |                            |                                   | 9.04                                       |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              |                        |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 7                                                                             | HWY 37  | 0+00.00      | 156+28.80  | 25.0                                   | 25.0                                                         | 32.0                               |                              | Fog Seal edge to edge  | 15628.8   | 43413.3                                   | 43413.3                                            | 55569.1                                     |                                               | 70.11                         | 477.55                     | 16.53                             |                                            |
| 7                                                                             | HWY 37  | 156+28.80    | 157+34.80  |                                        |                                                              |                                    |                              | 106' Exception         | 106.0     |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 7                                                                             | HWY 37  | 157+34.80    | 404+45.20  | 25.0                                   | 25.0                                                         | 32.0                               |                              | Fog Seal edge to edge  | 24710.4   | 68640.0                                   | 68640.0                                            | 87859.2                                     |                                               | 110.85                        | 755.04                     | 26.14                             |                                            |
| 7                                                                             | HWY 37  | 404+45.20    | 404+99.20  |                                        |                                                              |                                    |                              | 54' Exception          | 54.0      |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 7                                                                             | HWY 37  | 404+99.20    | 558+62.80  | 25.0                                   | 25.0                                                         | 32.0                               |                              | Fog Seal edge to edge  | 15363.6   | 42676.7                                   | 42676.7                                            | 54626.1                                     |                                               | 68.92                         | 469.44                     | 16.25                             |                                            |
| 7                                                                             | HWY 37  | 558+62.80    | 559+54.80  |                                        |                                                              |                                    |                              | 92' Exception          | 92.0      |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 7                                                                             | HWY 37  | 559+54.80    | 671+79.04  | 25.0                                   | 25.0                                                         | 32.0                               |                              | Fog Seal edge to edge  | 11224.2   | 31178.4                                   | 31178.4                                            | 39908.4                                     |                                               | 50.35                         | 342.96                     | 11.87                             |                                            |
| 7                                                                             | HWY 37  | 671+79.04    | 672+33.04  |                                        |                                                              |                                    |                              | 54' Exception          | 54.0      |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 7                                                                             | HWY 37  | 672+33.04    | 738+88.30  | 25.0                                   | 25.0                                                         | 32.0                               |                              | Fog Seal edge to edge  | 6655.3    | 18486.8                                   | 18486.8                                            | 23663.1                                     |                                               | 29.86                         | 203.36                     | 7.04                              |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | FT                     | 73888.30  | 204395.3                                  | 204395.3                                           | 261626.0                                    | Tons                                          | 330.1                         | 2248.35                    | 77.83                             |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | MI                     | 13.994    |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              |                        |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 8                                                                             | SD 25   | 0+00.00      | 114+04.80  | 25.0                                   | 25.0                                                         | 45.0                               |                              | Fog Seal edge to edge  | 11404.8   | 31680.0                                   | 31680.0                                            | 57024.0                                     |                                               | 51.16                         | 348.48                     | 16.96                             |                                            |
| 8                                                                             | SD 25   | 114+04.80    | 354+28.80  | 25.0                                   | 25.0                                                         | 33.0                               |                              | Fog Seal edge to edge  | 24024.0   | 66733.3                                   | 66733.3                                            | 88088.0                                     |                                               | 107.77                        | 734.07                     | 26.21                             |                                            |
| 8                                                                             | SD 25   | 354+28.80    | 370+12.80  | 25.0                                   | 25.0                                                         | 39.0                               |                              | Fog Seal edge to edge  | 1584.0    | 4400.0                                    | 4400.0                                             | 6864.0                                      |                                               | 7.11                          | 48.40                      | 2.04                              |                                            |
| 8                                                                             | SD 25   | 370+12.80    | 467+28.00  | 25.0                                   | 25.0                                                         | 39.0                               |                              | Fog Seal edge to edge  | 9715.2    | 26986.7                                   | 26986.7                                            | 42099.2                                     |                                               | 43.58                         | 296.85                     | 12.52                             |                                            |
| 8                                                                             | SD 25   | 467+28.00    | 640+51.70  | 25.0                                   | 25.0                                                         | 36.0                               |                              | Fog Seal edge to edge  | 17323.7   | 48121.4                                   | 48121.4                                            | 69294.8                                     |                                               | 77.72                         | 529.34                     | 20.62                             |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | FT                     | 64051.70  | 177921.4                                  | 177921.4                                           | 263370.0                                    | Tons                                          | 287.3                         | 1957.14                    | 78.35                             |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | MI                     | 12.131    |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              |                        |           |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |
| 9                                                                             | SD 25   | 0+00.00      | 143+56.32  | 24.0                                   | 24.0                                                         | 24.0                               |                              |                        | 14356.3   | 38283.5                                   | 38283.5                                            | 38283.5                                     |                                               | 61.83                         | 421.12                     | 11.39                             |                                            |
| 9                                                                             | SD 25   | 143+56.32    | 152+53.92  | 30.0                                   | 30.0                                                         | 30.0                               |                              | INT of Marshall 4 & 25 | 897.6     | 2992.0                                    | 2992.0                                             | 2992.0                                      |                                               | 4.83                          | 32.91                      | 0.89                              |                                            |
| 9                                                                             | SD 25   | 152+53.92    | 174+18.72  | 34.0                                   | 34.0                                                         | 34.0                               |                              |                        | 2164.8    | 8178.1                                    | 8178.1                                             | 8178.1                                      |                                               | 13.21                         | 89.96                      | 2.43                              |                                            |
| 9                                                                             | SD 25   | 174+18.72    | 185+80.32  | 28.0                                   | 28.0                                                         | 28.0                               |                              | INT of Marshall 4 & 25 | 1161.6    | 3613.9                                    | 3613.9                                             | 3613.9                                      |                                               | 5.84                          | 39.75                      | 1.08                              |                                            |
| 9                                                                             | SD 25   | 185+80.32    | 212+73.12  | 24.0                                   | 24.0                                                         | 24.0                               |                              |                        | 2692.8    | 7180.8                                    | 7180.8                                             | 7180.8                                      |                                               | 11.60                         | 78.99                      | 2.14                              |                                            |
| 9                                                                             | SD 25   | 212+73.12    | 248+10.72  | 28.0                                   | 28.0                                                         | 28.0                               |                              |                        | 3537.6    | 11005.9                                   | 11005.9                                            | 11005.9                                     |                                               | 17.78                         | 121.06                     | 3.28                              |                                            |
| 9                                                                             | SD 25   | 248+10.72    | 275+03.52  | 34.0                                   | 34.0                                                         | 34.0                               |                              |                        | 2692.8    | 10172.8                                   | 10172.8                                            | 10172.8                                     |                                               | 16.43                         | 111.90                     | 3.03                              |                                            |
| 9                                                                             | SD 25   | 275+03.52    | 433+96.32  | 28.0                                   | 28.0                                                         | 28.0                               |                              |                        | 15892.8   | 49444.3                                   | 49444.3                                            | 49444.3                                     |                                               | 79.86                         | 543.89                     | 14.72                             |                                            |
| 9                                                                             | SD 25   | 433+96.32    | 452+44.32  | 44.0                                   | 44.0                                                         | 44.0                               |                              |                        | 1848.0    | 9034.7                                    | 9034.7                                             | 9034.7                                      |                                               | 14.59                         | 99.38                      | 2.69                              |                                            |
| 9                                                                             | SD 25   | 452+44.32    | 597+06.20  | 28.0                                   | 28.0                                                         | 28.0                               |                              |                        | 14461.9   | 44992.5                                   | 44992.5                                            | 44992.5                                     |                                               | 72.67                         | 494.92                     | 13.39                             |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | FT                     | 59706.20  | 184898.4                                  | 184898.4                                           | 184898.4                                    | Tons                                          | 298.62                        | 2033.88                    | 55.01                             |                                            |
|                                                                               |         |              |            |                                        |                                                              |                                    |                              | MI                     | 11.308    |                                           |                                                    |                                             |                                               |                               |                            |                                   |                                            |

|                             |                |              |                 |
|-----------------------------|----------------|--------------|-----------------|
| STATE OF<br>SOUTH<br>DAKOTA | PROJECT        | SHEET<br>NO. | TOTAL<br>SHEETS |
|                             | NH-P 0011(317) | 13           | 46              |

Plotting Date: 04/10/2025

Revised 4/10/2025 DJT &amp; MW

## RATES OF MATERIAL COVERAGE

| Seg-<br>ment | Route  | FROM STATION | TO STATION | LENGTH FT     | Width of<br>Surface<br>Treatment FT | Width of<br>Type 1A<br>Cover<br>Aggregate<br>Treatment<br>FT | Width of<br>Asphalt Fog<br>Seal FT | NOTE                       | Area of Surface<br>Treatment SY | Area of Type 1A<br>Cover Aggregate<br>Treatment SY | Area of Asphalt<br>Fog Seal SY | VOL SURF TREAT<br>TONS | WEIGHT<br>COVER MAT'L<br>TONS | VOL FOG<br>SEAL TONS |
|--------------|--------|--------------|------------|---------------|-------------------------------------|--------------------------------------------------------------|------------------------------------|----------------------------|---------------------------------|----------------------------------------------------|--------------------------------|------------------------|-------------------------------|----------------------|
| 5            | HWY 12 | 456+08.64    | 465+16.80  | 908.2         | 12.0                                | 12.0                                                         | 12.0                               | South EB Accel / Turn lane | 1210.9                          | 1210.9                                             | 1210.9                         | 1.96                   | 13.32                         | 0.36                 |
| 5            | HWY 12 | 456+08.64    | 467+80.80  | 1172.2        | 12.0                                | 12.0                                                         | 12.0                               | North WB Accel / Turn lane | 1562.9                          | 1562.9                                             | 1562.9                         | 2.52                   | 17.19                         | 0.46                 |
| 5            | HWY 12 | 709+10.40    | 729+16.80  | 2006.4        | 12.0                                | 12.0                                                         | 12.0                               | South EB Accel / Turn lane | 2675.2                          | 2675.2                                             | 2675.2                         | 4.32                   | 29.43                         | 0.80                 |
| 5            | HWY 12 | 709+10.40    | 734+44.80  | 2534.4        | 12.0                                | 12.0                                                         | 12.0                               | North WB Accel / Turn lane | 3379.2                          | 3379.2                                             | 3379.2                         | 5.46                   | 37.17                         | 1.01                 |
|              |        |              |            | <b>6621.1</b> |                                     |                                                              |                                    |                            | <b>8828.2</b>                   | <b>8828.2</b>                                      | <b>8828.2</b>                  | <b>14.3</b>            | <b>97.1</b>                   | <b>2.6</b>           |
|              |        |              |            |               |                                     |                                                              |                                    |                            |                                 |                                                    | RATES                          | 11.37                  | 77.44                         | 2.09                 |

CRS-2P Asphalt for Surface Treatment at the rate of 11.37 tons per mile applied at 12 feet wide.  
(Rate = 0.38 Gal./S.Y.).  
Type 1A Cover Aggregate at the rate of 77.44 tons per mile applied at 12 feet wide.  
(Rate= 22 Lbs./S.Y.).  
CSS-1H or SS-1H for Fog Seal at the rate of 2.09 tons per mile applied at 12 feet wide.  
(Rate = 0.07 Gal./S.Y.).

|   |        |           |           |               |      |      |      |                            |               |               |               |            |             |            |
|---|--------|-----------|-----------|---------------|------|------|------|----------------------------|---------------|---------------|---------------|------------|-------------|------------|
| 1 | HWY 10 | 601+92.00 | 616+70.40 | <b>1478.4</b> | 14.0 | 14.0 | 14.0 | North WB Accel / Turn lane | <b>2299.7</b> | <b>2299.7</b> | <b>2299.7</b> | <b>3.7</b> | <b>25.3</b> | <b>0.7</b> |
|   |        |           |           |               |      |      |      |                            |               |               | RATES         | 13.26      | 90.35       | 2.44       |

|                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------|
| CRS-2P Asphalt for Surface Treatment at the rate of 13.26 tons per mile applied at 14 feet wide.<br>(Rate = 0.38 Gal./S.Y.). |
| Type 1A Cover Aggregate at the rate of 90.35 tons per mile applied at 14 feet wide.<br>(Rate= 22 Lbs./S.Y.).                 |
| CSS-1H or SS-1H for Fog Seal at the rate of 2.44 tons per mile applied at 14 feet wide.<br>(Rate = 0.07 Gal./S.Y.).          |

|   |         |           |           |                |      |      |      |                         |                 |                 |                 |              |               |             |
|---|---------|-----------|-----------|----------------|------|------|------|-------------------------|-----------------|-----------------|-----------------|--------------|---------------|-------------|
| 3 | HWY 239 | 0+00.00   | 53+32.80  | 5332.8         | 24.0 | 24.0 | 24.0 | INT of HWY 10 & HWY 239 | 14220.8         | 14220.8         | 14220.8         | 22.97        | 156.43        | 4.23        |
| 3 | HWY 239 | 53+32.80  | 158+92.80 | 10560.0        | 24.0 | 24.0 | 24.0 |                         | 28160.0         | 28160.0         | 28160.0         | 45.48        | 309.76        | 8.38        |
| 3 | HWY 239 | 158+92.80 | 211+72.80 | 5280.0         | 24.0 | 24.0 | 24.0 |                         | 14080.0         | 14080.0         | 14080.0         | 22.74        | 154.88        | 4.19        |
| 3 | HWY 239 | 211+72.80 | 317+32.80 | 10560.0        | 24.0 | 24.0 | 24.0 |                         | 28160.0         | 28160.0         | 28160.0         | 45.48        | 309.76        | 8.38        |
| 3 | HWY 239 | 317+32.80 | 386+07.40 | 6874.6         | 24.0 | 24.0 | 24.0 |                         | 18332.3         | 18332.3         | 18332.3         | 29.61        | 201.65        | 5.45        |
|   |         |           |           | <b>38607.4</b> |      |      |      |                         | <b>102953.1</b> | <b>102953.1</b> | <b>102953.1</b> | <b>166.3</b> | <b>1132.5</b> | <b>30.6</b> |
| 4 | HWY 45  | 0+00.00   | 16+36.80  | 1636.8         | 24.0 | 24.0 | 24.0 | INT of HWY 10 & HWY 45  | 4364.8          | 4364.8          | 4364.8          | 7.05         | 48.01         | 1.30        |
| 4 | HWY 45  | 16+36.80  | 54+38.40  | 3801.6         | 24.0 | 24.0 | 24.0 | No shoulder             | 10137.6         | 10137.6         | 10137.6         | 16.37        | 111.51        | 3.02        |
| 4 | HWY 45  | 54+38.40  | 639+56.60 | 58518.2        | 24.0 | 24.0 | 24.0 | No shoulder             | 156048.5        | 156048.5        | 156048.5        | 252.02       | 1716.53       | 46.42       |
|   |         |           |           | <b>63956.6</b> |      |      |      |                         | <b>170550.9</b> | <b>170550.9</b> | <b>170550.9</b> | <b>275.4</b> | <b>1876.1</b> | <b>50.7</b> |
| 9 | SD 25   | 0+00.00   | 143+56.32 | 14356.3        | 24.0 | 24.0 | 24.0 |                         | 38283.5         | 38283.5         | 38283.5         | 61.83        | 421.12        | 11.39       |
| 9 | SD 25   | 185+80.32 | 212+73.12 | 2692.8         | 24.0 | 24.0 | 24.0 |                         | 7180.8          | 7180.8          | 7180.8          | 11.60        | 78.99         | 2.14        |
|   |         |           |           | <b>17049.1</b> |      |      |      |                         | <b>45464.3</b>  | <b>45464.3</b>  | <b>45464.3</b>  | <b>73.4</b>  | <b>500.1</b>  | <b>13.5</b> |
|   |         |           |           |                |      |      |      |                         |                 |                 | RATES           | 22.69        | 154.88        | 4.19        |

CRS-2P Asphalt for Surface Treatment at the rate of 22.69 tons per mile applied at 24 feet wide.  
(Rate = 0.38 Gal./S.Y.).

Type 1A Cover Aggregate at the rate of 154.88 tons per mile applied at 24 feet wide.  
(Rate= 22 Lbs./S.Y.).

CSS-1H or SS-1H for Fog Seal at the rate of 4.19 tons per mile applied at 24 feet wide.  
(Rate = 0.07 Gal./S.Y.).



|                             |                |              |                 |
|-----------------------------|----------------|--------------|-----------------|
| STATE OF<br>SOUTH<br>DAKOTA | PROJECT        | SHEET<br>NO. | TOTAL<br>SHEETS |
|                             | NH-P 0011(317) | 15           | 46              |

