

September 26, 2025

**ADDENDUM NO. 2**

**RE: Item #8, October 1, 2025 Letting - NH 0044(227)40, PCN 08D9, Pennington County -  
Rockfall Hazard Mitigation**

**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 120E0010 "Unclassified Excavation" changed from 400 to 450 CuYd

Bid Item 634E0010 "Flagging" changed from 200.0 to 1,000.0 Hour

**PLANS:** Please destroy sheets A2, B2, B3, & B12 and replace with the enclosed sheets, dated 9/26/25.

**Sheet A2:** **Quantities for Bid Items were changed:**  
Bid Item 120E0010 "Unclassified Excavation" changed from 400 to 450 CuYd  
Bid Item 634E0010 "Flagging" changed from 200.0 to 1,000.0 Hour

**Sheets B2:** Quantities Bid Item 120E0010 "Unclassified Excavation" changed from 400 to 450 CuYd.

**Sheet B3:** UNCLASSIFIED EXCAVATION note was revised.

**Sheet B12:** Unclassified Excavation note was revised.

**Sheet C2:** PEN AND INK change the quantity for Bid Item 634E0010 "Flagging" from 200.0 to 1,000.0 Hour.

Sincerely,

Sam Weisgram  
Engineering Supervisor

SW/gp

CC: Todd Seaman, Rapid City Region Engineer  
Mike Carlson, Rapid City Area Engineer

# ESTIMATE OF QUANTITIES AND ENVIRONMENTAL COMMITMENTS

|                             |                |       |                 |
|-----------------------------|----------------|-------|-----------------|
| STATE OF<br>SOUTH<br>DAKOTA | PROJECT        | SHEET | TOTAL<br>SHEETS |
|                             | NH 0044(227)40 | A2    | A5              |

Revised 9/26/25 jpr

## Section B – Grading and Erosion Control

| BID ITEM<br>NUMBER | ITEM                                         | QUANTITY | UNIT |
|--------------------|----------------------------------------------|----------|------|
| 009E0010           | Mobilization                                 | Lump Sum | LS   |
| 009E3220           | Reestablish Right-of-Way and Property Corner | 19       | Each |
| 009E4200           | Construction Schedule, Category II           | Lump Sum | LS   |
| 100E0020           | Clear and Grub Tree                          | 20       | Each |
| 110E1700           | Remove Silt Fence                            | 550      | Ft   |
| 120E0010           | Unclassified Excavation                      | 450      | CuYd |
| 120E1100           | Unclassified/Rock Excavation                 | 1,474    | CuYd |
| 230E0100           | Remove and Replace Topsoil                   | Lump Sum | LS   |
| 730E0208           | Type E Permanent Seed Mixture                | 20       | Lb   |
| 731E0100           | Fertilizing                                  | 1,500    | Lb   |
| 732E0250           | Fiber Mulching                               | 2,000    | Lb   |
| 734E0154           | 12" Diameter Erosion Control Wattle          | 550      | Ft   |
| 910E0510           | Rock Scaling and Rigging                     | 360      | Hour |

## Section C - Traffic Control

| BID ITEM<br>NUMBER | ITEM                                                               | QUANTITY | UNIT |
|--------------------|--------------------------------------------------------------------|----------|------|
| 110E0605           | Remove Chain Link Fence                                            | 500      | Ft   |
| 621E0160           | 6' Chain Link Fence with Tension Wired Top                         | 500      | Ft   |
| 633E1222           | High Build Waterborne Pavement Marking Paint, 4" Yellow            | 420      | Ft   |
| 634E0010           | Flagging                                                           | 1,000.0  | Hour |
| 634E0110           | Traffic Control Signs                                              | 242.1    | SqFt |
| 634E0120           | Traffic Control, Miscellaneous                                     | Lump Sum | LS   |
| 634E0275           | Type 3 Barricade                                                   | 2        | Each |
| 634E0330           | Temporary Raised Pavement Markers                                  | 4,280    | Ft   |
| 634E0380           | Tubular Marker                                                     | 50       | Each |
| 634E0560           | Remove Pavement Marking, 4" or Equivalent                          | 420      | Ft   |
| 634E0700           | Traffic Control Movable Concrete Barrier                           | 150      | Each |
| 634E0705           | Remove and Reset Traffic Control Movable Concrete Barrier          | 140      | Each |
| 634E0750           | Temporary Concrete Barrier End Protection                          | 2        | Each |
| 634E0760           | Temporary Concrete Barrier End Protection Module Set or Repair Kit | 2        | Each |
| 634E1215           | Contractor Furnished Portable Changeable Message Sign              | 2        | Each |

## Section E – Structure

| BID ITEM<br>NUMBER | ITEM                                | QUANTITY | UNIT |
|--------------------|-------------------------------------|----------|------|
| 420E0400           | Structure Excavation, Miscellaneous | 22.0     | CuYd |
| 530E0602           | Soil Nail                           | 1,155.0  | Ft   |
| 530E1100           | Slope Mesh                          | 53,820   | SqFt |
| 530E1110           | Slope Mesh Anchor                   | 32       | Each |
| 620E8000           | Rockfall Fence                      | 963      | Ft   |
| 900E6005           | Concrete Foundation                 | 33       | Each |
| 900E8950           | Ground Anchor                       | 1,360    | Ft   |

### SPECIFICATIONS

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

SECTION B ESTIMATE OF QUANTITIES

| BID ITEM<br>NUMBER | ITEM                                         | QUANTITY | UNIT |
|--------------------|----------------------------------------------|----------|------|
| 009E0010           | Mobilization                                 | Lump Sum | LS   |
| 009E3220           | Reestablish Right-of-Way and Property Corner | 19       | Each |
| 009E4200           | Construction Schedule, Category II           | Lump Sum | LS   |
| 100E0020           | Clear and Grub Tree                          | 20       | Each |
| 110E1700           | Remove Silt Fence                            | 550      | Ft   |
| 120E0010           | Unclassified Excavation                      | 450      | CuYd |
| 120E1100           | Unclassified/Rock Excavation                 | 1,474    | CuYd |
| 230E0100           | Remove and Replace Topsoil                   | Lump Sum | LS   |
| 730E0208           | Type E Permanent Seed Mixture                | 20       | Lb   |
| 731E0100           | Fertilizing                                  | 1,500    | Lb   |
| 732E0250           | Fiber Mulching                               | 2,000    | Lb   |
| 734E0154           | 12" Diameter Erosion Control Wattle          | 550      | Ft   |
| 910E0510           | Rock Scaling and Rigging                     | 360      | Hour |

UTILITIES

The Contractor will be aware that the existing utilities shown in the plans were surveyed prior to the design of this project and might have been relocated or replaced by a new utility facility prior to construction of this project, might be relocated or replaced by a new utility facility during the construction of this project, or might not require adjustment and may remain in its current location. The Contractor will contact each utility owner and confirm the status of all existing and new utility facilities. The utility contact information is provided elsewhere in the plans or bidding documents.

CONTACT INFORMATION

Please refer to the list of utilities found in the Special Provisions for description of utility impacts and contact information.

CLEARING AND DISPOSAL OF TIMBER

The Contractor will dispose of removed timber in accordance with the Waste Disposal Site note as shown in these plans.

Trees along the edge of the rock slope that have the potential to create rockfall will be removed as determined by the Project Engineer.

TABLE OF CLEAR AND GRUB TREE

| Station        | L/R | Quantity<br>(Each) |
|----------------|-----|--------------------|
| 1+90 to 12+16  | L   | 5                  |
| 12+16 to 16+45 | L   | 15                 |
| Total:         |     | 20                 |

PUBLIC LANDS SURVEY SYSTEM, RIGHT OF WAY, AND PROPERTY CORNERS

The Contractor will have a Land Surveyor, licensed in the State of South Dakota, to set, reestablish or verify public land survey system (PLSS) corners, right of way (ROW) corners, and property corners as directed by the appropriate SDDOT Region Land Surveyor. It is estimated that 0 PLSS corners and 19 ROW and property corners will be set, reestablished, or verified for this project. The Contractor's Land Surveyor, under the direction of the Region Land Surveyor, will set, reestablish, or verify all corner monuments after surfacing and fencing operations are completed in accordance with the PUBLIC LANDS SURVEY SYSTEM CORNERS section and the RIGHT OF WAY AND PROPERTY CORNERS section in Chapter 8 of the SDDOT Survey Manual.

Installation of corners at unsafe locations will not be required. The SDDOT Region Land Surveyor will determine which locations are unsafe. The Contractor will coordinate with the SDDOT Region Land Surveyor to determine these locations during construction.

< <https://dot.sd.gov/doing-business/engineering/design-services/surveyors> >

All costs associated with furnishing and installing PLSS caps, rebar, and all other materials associated with setting, reestablishing, or verifying PLSS, ROW corners, and property corners in accordance with the SDDOT Survey Manual will be incidental to the contract unit price per each for "Reestablish Public Land Survey System Corner" and/or "Reestablish Right-of-Way and Property Corner".

GENERAL GEOLOGY

The Minnelusa Formation forms the canyon walls within the project area. Quaternary Terrace Gravel overlies the formation on the East end of the project. Each is described by the South Dakota Geological Survey as:

The *Minnelusa Formation* consists of variegated, yellow to red, gray to brown, pink to purple, and black, interbedded sandstone, siltstone, shale, limestone, dolomite, calcarenite, chert, and brecciated beds.

*Quaternary Terrace Gravel* consists of clay to boulder sized clasts deposited as pediments, paleochannels, and terrace fills of former flood plains.

UNCLASSIFIED/ROCK EXCAVATION

Unclassified/Rock Excavation will be required to remove undermined and unstable rock. The locations are 5+00 (1,111 cuysd) and 14+00 to 16+00 (363 cuysd.). This work will be performed prior to installation of slope mesh and rockfall fences. Excavation of bedded sandstone, dolomite, and limestone with open fractures along planar failure planes will be required.

Extra effort beyond normal manual scaling will be required to excavate areas classified as Unclassified/Rock Excavation. Blasting will not be allowed. It is anticipated that mechanical means such as airbags, hydraulic splitting, drilling, expansive materials, or other methods approved by the Engineer will be utilized to complete excavation and scaling activities. Excavated materials will be wasted off site.

The rock slope at approximately Station 14+75 has been undermined by rockfall creating an overhang approximately 25 feet above the left ditch. Remove the overhang by drilling a series of carefully spaced and aligned drill holes to produce a planar face or shear plane in the rock. Utilize expanding materials, hydraulic splitters, or other methods as approved by the Engineer to trim off the overhang. Blasting will not be allowed. All costs associated with the removal of the rock overhang will be incidental to contract unit price for Unclassified/Rock Excavation.

All costs associated with the excavation and subsequent disposal of materials generated from designated Unclassified/Rock Excavation areas will be paid for at the contract unit price for Unclassified/Rock Excavation. Plans quantity will be the basis of payment, and no separate field measurement will be made.

SCALING

Scaling will be required to remove loose rock and debris from areas shown on the plans and as directed by the Engineer prior to installation of slope mesh and rockfall fences. See Special Provision for Rock Scaling.

A quantity of 4 scalers @ 90 for a total of 360 hours is provided in the estimate of quantities for performing this work.

PROTECTION OF EXISTING ASPHALT SURFACING

The Contractor will protect the existing asphalt surfacing from rocks that roll down the slope during rock excavation and rock scaling work. The Contractor will provide a method of protection to ensure the asphalt surfacing is not damaged during rock removal work. All costs associated with protecting the asphalt surfacing will be incidental to the various bid items on the project.

UNCLASSIFIED EXCAVATION

A quantity of 450 CuYds of Unclassified Excavation is provided to cleanout material that has accumulated behind the concrete barriers from 2+00 to 17+50. This material will be a combination of existing and rock scaling material that was captured by the concrete barriers. This area will be shaped to match the existing slopes behind the curb and gutter. This material will be handled as Waste. Plans quantity will be the basis of payment and will not be measured. All costs associated with this work will be incidental to the contract unit price per cubic yard for Unclassified Excavation.

REMOVE AND REPLACE TOPSOIL

Prior to beginning grading work from 2+00 to 17+50 existing topsoil will be salvaged in a windrow. Following completion of grading, topsoil will be spread evenly over the disturbed areas.

All costs associated with removing and replacing the topsoil along areas to be resurfaced will be incidental to the contract lump sum price for “Remove and Replace Topsoil”.

MYCORRHIZAL INOCULUM

Mycorrhizal inoculum will consist of mycorrhizal fungi spores and mycorrhizal fungi-infected root fragments in a solid carrier. The carrier may include organic materials, calcinated clay, or other materials consistent with application and good plant growth. The supplier will provide certification of the fungal species claimed and the live propagule count. The inoculum will include a minimum 25% the fungal species *Rhizophagus intraradices*. The remaining 75% may include other endomycorrhizal fungal species.

All seed will be inoculated by the seed supplier with a minimum of 100,000 live propagules of mycorrhizal fungi per acre. All costs of inoculating the seed will be incidental to the contract unit price per pound for the corresponding permanent seed mixture.

The Mycorrhizal Inoculum provided will be from the approved product list. The approved product list may be viewed at the following internet site:

<https://apps.sd.gov/HC60ApprovedProducts/main.aspx>

FERTILIZING

The Contractor will apply an all-natural slow release fertilizer prior to seeding or placing sod. The all-natural fertilizer will have a minimum guaranteed analysis of 4-4-4 and be USDA Certified BioBased. It should provide a minimum of 4% (N) nitrogen with a minimum water insoluble nitrogen (WIN) fraction of 2.07%, a minimum of 4% (P2O5) available phosphate, a minimum of 4% (K2O) soluble potash, and a maximum carbon to nitrogen ratio (C:N ratio) of 5:1. The all-natural fertilizer will be free of weed-seed and pathogens accomplished through thermophilic composting, and not mechanical or chemical sterilization, to assure presence of beneficial soil microbiology. The fertilizer will have a near neutral pH, a low salt index, a low biological oxygen demand, contain organic

humic and fulvic acids, and have high aerobic organism counts. The fertilizer will also be stable, free of bad odors, and be unattractive as a food source for animals. It should also be in a granular form that is easily spread.

The fertilizer will be applied at a rate of 1,500 pounds per acre in accordance with the manufacturer’s recommended method of application.

The all-natural slow release fertilizer will be as shown below or an approved equal:

| Product       | Manufacturer                                                                                                                               |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Sustane       | Sustane Corporate Headquarters<br>Cannon Falls, Minnesota<br>Phone: 1-800-352-9245<br><a href="http://www.sustane.com">www.sustane.com</a> |
| Perfect Blend | Perfect Blend, LLC<br>Bellevue, WA<br>Phone: 1-866-456-8890<br><a href="http://www.perfect-blend.com">www.perfect-blend.com</a>            |
| Nature Safe   | Nature Safe Fertilizers<br>Irving, TX<br>Phone: 1-605-759-5622<br><br><a href="http://www.naturesafe.com">www.naturesafe.com</a>           |

Type E Permanent Seed Mixture will consist of the following:

| Grass Species                                            | Variety                                 | Pure Live Seed (PLS) (Pounds/Acre) |
|----------------------------------------------------------|-----------------------------------------|------------------------------------|
| Western Wheatgrass                                       | Arriba, Flintlock, Rodan, Rosana, Walsh | 7                                  |
| Green Needlegrass                                        | Lodorm, AC Mallard Ecovar               | 4                                  |
| Sideoats Grama                                           | Butte, Pierre                           | 3                                  |
| Blue Grama                                               | Bad River                               | 2                                  |
| Canada Wildrye                                           | Mandan                                  | 2                                  |
| Wildflowers                                              |                                         |                                    |
| Dotted Gayfeather ( <i>Liatris punctata</i> )            |                                         | 0.5                                |
| Black-eyed Susan ( <i>Rudbeckia hirta</i> )              |                                         | 0.5                                |
| Blue Flax ( <i>Linum lewisii</i> )                       |                                         | 0.5                                |
| Pale Purple Coneflower ( <i>Echinacea angustifolia</i> ) |                                         | 0.5                                |
| Total:                                                   |                                         | 20                                 |

FIBER MULCHING

Fiber mulch will be applied in a separate operation following permanent seeding.

An additional 2% by weight of tackifier will be added to the fiber mulch product selected from the approved product list. If the product selected has guar gum tackifier included, then the additional 2% of tackifier will be guar gum. If the product selected has synthetic tackifier included, then the additional 2% of tackifier will be synthetic.

The Contractor will allow the fiber mulch to cure a minimum of 18 hours prior to watering or any storm event to ensure proper cohesion between the soil and fiber particles.

All costs for the additional tackifier added to the fiber mulch including labor, equipment, and materials will be incidental to the contract unit price per pound for “Fiber Mulching”.

The fiber mulch provided will be from the approved product list. The approved product list for fiber mulch may be viewed at the following internet site:

<http://apps.sd.gov/HC60ApprovedProducts/main.aspx>

EROSION CONTROL WATTLE

Erosion control wattles for restraining the flow of runoff and sediment will be installed as needed to prevent sediment from entering the curb and gutter. They will be used for final stabilization. Refer to Standard Plate 734.06 for details.

The Contractor will provide certification that the erosion control wattles do not contain noxious weed seeds.

Erosion control wattles will remain on the project to decompose.

The erosion control wattle provided will be from the approved product list. The approved product list for erosion control wattle may be viewed at the following internet site:

<https://apps.sd.gov/HC60ApprovedProducts/main.aspx>

# Typical Grading Section

