

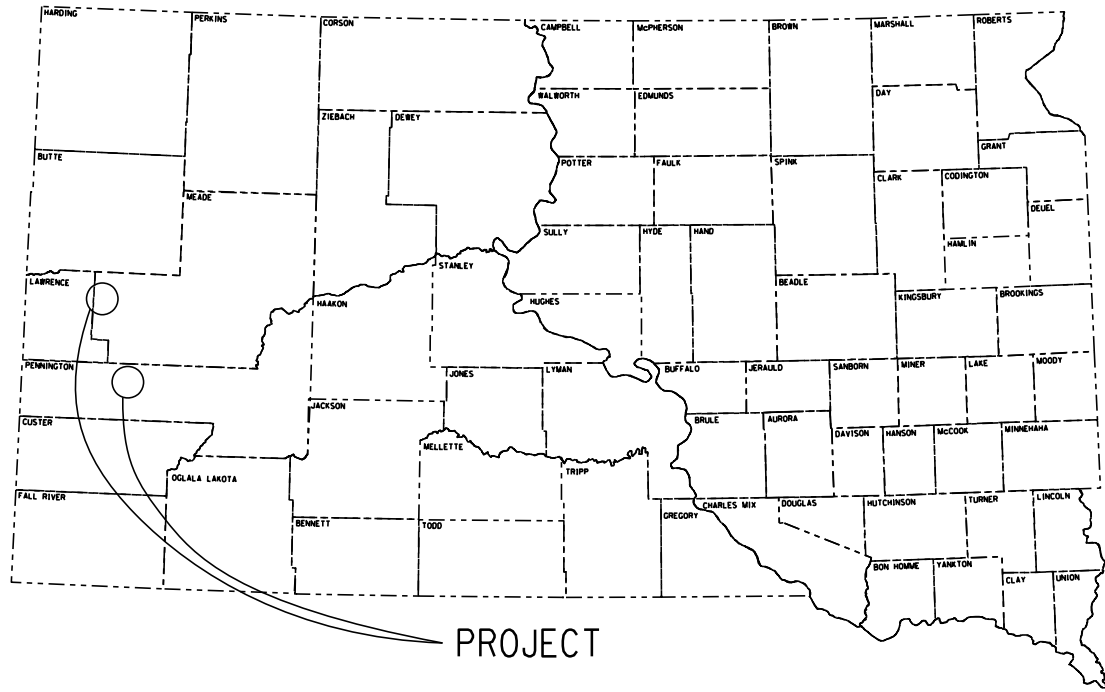
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	014A-451 & 044-452	1	2

Plotting Date: 04/01/2021

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
PROJECT 014A-451 & 044-452
HIGHWAYS SD44 & US14A
LAWERENCE, PENNINGTON AND
MEADE COUNTIES

SCALING OF ROCK SLOPES
PCN 161L & 161K

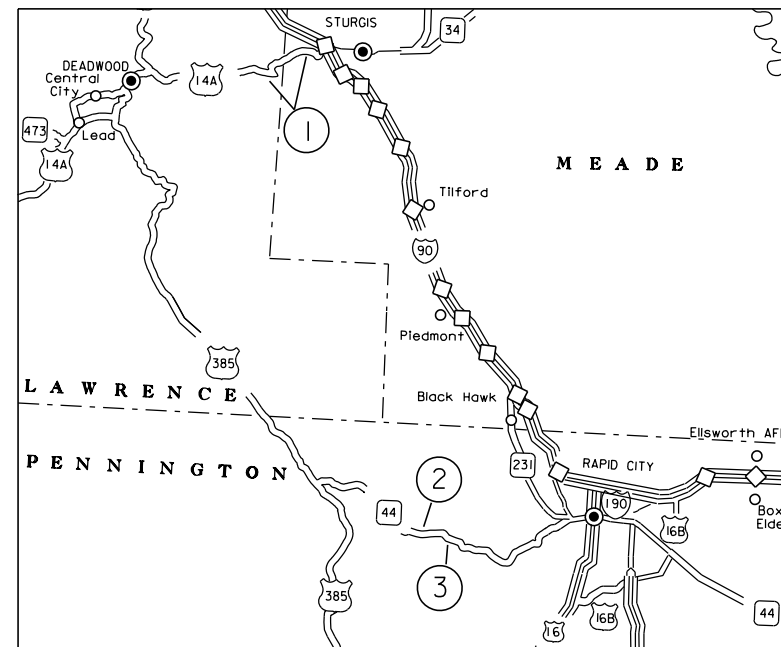


PROJECT

INDEX OF SHEETS

- Sheets 1: Title Sheet
- Sheet 2: Estimate of Quantities & Plan Notes

- ① US14A, MRM 49.60 to MRM 50.60 LT, 014A-451, PCN 161L
- ② SD44, MRM 30.77 to MRM 30.84 LT, 044-452, PCN 161K
- ③ SD44, MRM 31.2 to MRM 31.3 LT & RT, 044-452, PCN 161K



Storm Water Permit
No Permit Required

PLOT SCALE - 1:200

PLOTTED FROM - TRRC11951

PLOT NAME - 1

FILE - ... \161K-TITLE.DGN

ESTIMATE OF QUANTITIES (014A-451, PCN i61L)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
910E0510	Rock Scaling Crew and Rigging	600	Hour

ESTIMATE OF QUANTITIES (044-452, PCN i61K)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
910E0510	Rock Scaling Crew and Rigging	100	Hour

SPECIFICATIONS

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

SPECIALTY ITEM

The Rock Scaling Crew and Rigging bid item will be designated as a "specialty item" as per section 8.1 of the Standard Specifications.

SCALING OF ROCK SLOPES

The areas to be rock scaled shall be performed starting at the top of the slope and working down as directed by the Project Engineer.

The Project Engineer will obtain permission from adjacent landowners prior to any rock scaling work performed on private property. The Contractor will notify the Area Office two weeks prior to any rock scaling work to make arrangements.

Before any scaling operations are started, the Contractor will furnish the Project Engineer a detailed plan of operations showing the method proposed for the removal of loose rock to prevent any damage to the highway lanes and shoulder surfacing. The Contractor will use suitable mats or other approved means to smother any loose material that is to be dislodged during the scaling operation. If damage is occurring to the highway surfacing, the Contractor will cease operations and make necessary adjustments to prevent any further damage.

Loose soil and rock will be removed through barring or other approved mechanical means. Blasting will not be allowed. The Project Engineer will determine the desirable degree of loose material removal. The Project Engineer will coordinate with the Area Maintenance Supervisor to help determine the desirable degree of loose rock removal.

The Engineer will measure hours of working time within the limits of the project for rock scaling operations. This will include preparation, approaching to the top of slope and descending to the rock scaling locations and all work associated with rock scaling operations. The Engineer will not measure the time for a lunch break. Measurement will be to the nearest 0.5 hour. Payment for this work will be paid for at the contract unit price per hour for "Rock Scaling Crew and Rigging".

TRAFFIC CONTROL AND ROCK REMOVAL

The State will perform all the necessary traffic control during scaling operations. Contact the Rapid City Area Engineer, Mike Carlson, 394-2248 two weeks prior to rock scaling operations to make arrangements.

Rock scaling will not be allowed during the Sturgis Motorcycle Rally, July 30, 2021 to August 15, 2021.

TEMPORARY EASEMENT MAINTENANCE AGREEMENT

The Project Engineer will ensure the Temporary Easement for permission to enter private property is obtained prior to any work outside the highway right of way. The Contractor will give the Project Engineer 2 weeks notice prior to beginning work to ensure permission is granted by the private property representative.