

VIRGINIA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION FOR
SHOULDER REHABILITATION AND RESTORATION

July 12, 2010

I. DESCRIPTION

This work shall consist of reconstructing existing low and high shoulders and shoulders disturbed due to plant mix overlay and guardrail work. The purpose of this work is to provide a shoulder slope and guardrail height that conforms to the Road and Bridge Standards, the Specifications and the requirements herein when work is completed.

II. MATERIALS

Aggregate base material (type and size specified) shall conform to section 208 of the Specifications.

III. PROCEDURES

Shoulders shall be raised or lowered by applying aggregate base material and/or machining the shoulders, where specified, to smoothly tie the graded shoulder edge elevation to the adjoining elevation of the final pavement surface edge or final paved or stabilized shoulder surface edge. The raised or lowered shoulder shall also be graded to obtain a uniform shoulder slope to the shoulder break that conforms to the applicable Road and Bridge Standards shoulder design. The guardrail height shall conform to the Road and Bridge Standards when work is completed.

The Contractor shall furnish and place aggregate base material where specified. The material shall be spread, graded, and compacted in accordance with the requirements of Section 305.03(e) of the Specifications, except for the shaping of the subgrade which will not be required.

Final pavement surface edge or final paved or stabilized shoulder surface edge shall include existing pavement not designated for overlay and completely compacted pavement overlay.

The Contractor shall promptly remove and dispose of surplus material encountered as a result of shoulder work and any shoulder material left or tracked on the pavement.

Shoulder rehabilitation work shall be in those areas that have no existing guardrail and have not been slated for new guardrail. Shoulder rehabilitation work shall also be in areas where existing guardrail remains undisturbed. This work shall include raising existing low shoulders or low shoulders created by plant mix overlay, and lowering existing high shoulders created by debris buildup. Aggregate base material shall be placed and the shoulder shall be graded and/or machined as necessary to provide the slope that conforms to the Road and Bridge Standards. This work shall be completed within one week following plant mix overlay and shall be applied as directed by the Engineer to accomplish this work.

Shoulder restoration work shall be only in areas slated for new guardrail, guardrail improvements or guardrail replacements in this or other contracts. This work shall include raising existing low shoulders, or low shoulders created by plant mix overlay, lowering existing high shoulders created by debris buildup, and grading shoulders and stone disturbed due to guardrail work. Aggregate base material shall be placed and the shoulder shall be graded and/or machined as necessary to provide the slope that conforms to the Road and Bridge Standards. The shoulder shall be graded and/or machined after the existing guardrail has been removed and prior to

installation of new guardrail or reinstallation of updated guardrail. This is to level any shoulder material that may have built up under the existing guardrail and to allow for the placement of aggregate base material at low shoulder areas prior to guardrail installation. The width of placement of aggregate base material and the graded and/or machined shoulders shall be as needed to allow for the installation of new guardrail or reinstallation of updated guardrail in accordance with the requirements shown in the Road and Bridge Standards and the Specifications or as indicated in the Contract. This work shall be applied as directed by the Engineer to accomplish this work.

IV. MEASUREMENT AND PAYMENT

Aggregate base material will be measured in tons. The accepted quantities of aggregate base material will be paid for at the contract unit price per ton, which shall be full compensation for furnishing, delivering, placing, compacting, grading the material, and removing and disposing of surplus, tracked and spilled material resulting from the Contractor's operations.

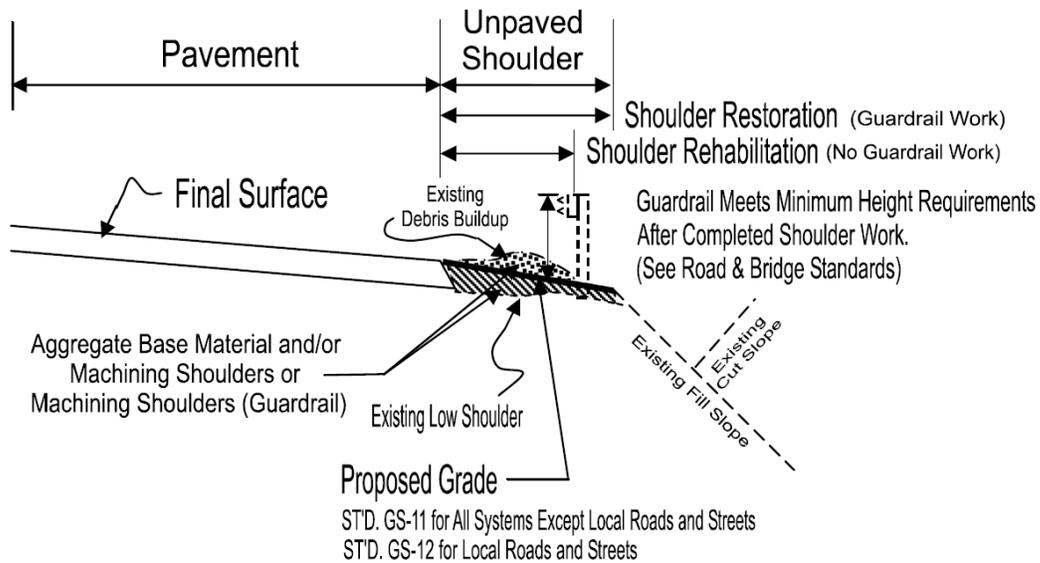
Machining shoulders will be measured in linear feet along the adjacent edge of pavement. The accepted quantities of machining shoulders will be paid for at the contract unit price per linear foot, which shall be full compensation for grading, compacting, removing and disposing of surplus, tracked and spilled material resulting from the Contractor's operations.

Machining shoulders (guardrail) will be measured in linear feet along the adjacent edge of pavement specified in the Contract of each guardrail section improvement, replacement or new installation. The accepted quantities of machining shoulders (guardrail) will be paid for at the contract unit price per linear foot, which shall be full compensation for grading, compacting, removing and disposing of surplus, tracked and spilled material resulting from the Contractor's operations.

Payment will be made under:

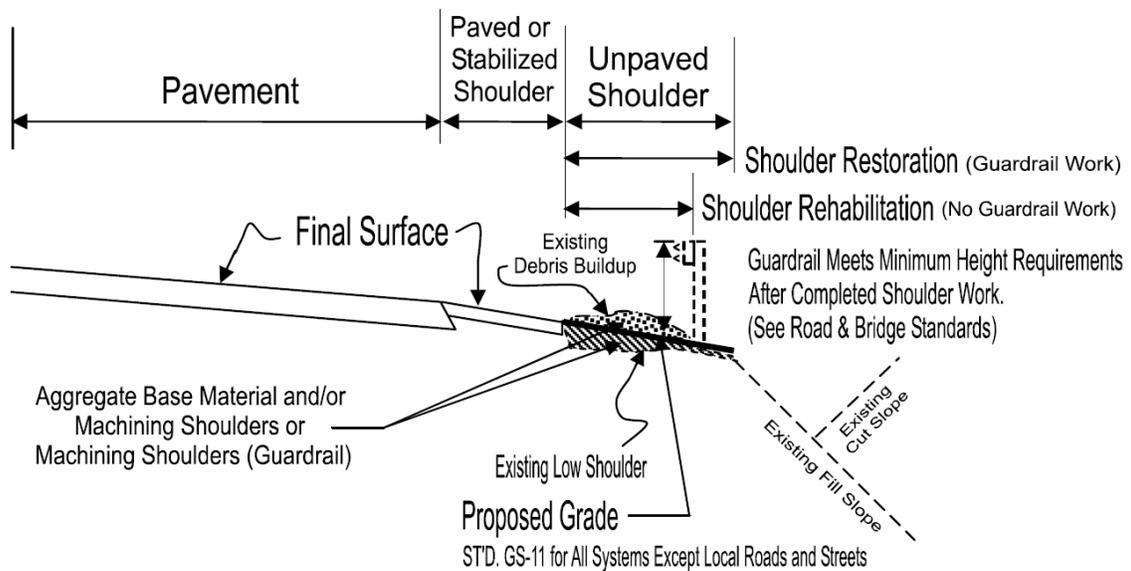
Pay Item	Pay Unit
Aggregate Base Material, Type (), No. ()	Ton
Machining Shoulders	Linear Foot
Machining Shoulders (Guardrail)	Linear Foot

SHOULDER REHABILITATION AND RESTORATION



Typical Section for Unpaved Shoulder

Not to Scale



Typical Section for Paved or Stabilized Shoulder

Not to Scale