

**ITEM 06303.53 M - REMOVAL AND REPLACEMENT OF SHOULDER WITH ASPHALT CONCRETE**

**DESCRIPTION**

The work shall consist of the following:

1. Excavation and disposal or, when necessary, embankment and compaction to provide for the following work.
2. Furnishing, placing, and compacting subbase course on the shoulder subgrade.
3. Furnishing, placing, compacting, and trimming material outside the newly placed shoulder material.
4. Furnishing and placing flexible shoulder material.

All work to be in conformity with the lines, grades, thickness, and typical sections shown on the plans or as directed by the Engineer.

**MATERIALS**

1. Materials to bring the shoulder to proper subgrade shall meet the requirements of Section 203 of the current Standard Specification as amended.
2. Subbase course material shall meet the material requirements of Item 304.06 M.
3. Shoulder material shall meet the material requirements of Section 403 of the current Standard Specification as amended.
4. Material used to backup the newly placed shoulder shall meet the material requirements of Item 304.06M except that stockpiling and soundness requirements will not apply, and the percentage of material passing the 75 \_m sieve shall be 0-15.

**CONSTRUCTION DETAILS**

The Contractor shall remove all soil, rock, old shoulder material and other material, and utilize or dispose of these materials as required by the plans and specifications. All excavation and embankment work shall be executed to limits as shown on the plans within 15 mm or as directed by the Engineer. After grading, the subgrade shall be left in a compact and satisfactory condition.

All requirements of Section 302-3, 304-3, and 401-3 shall apply.

The procedure for placing and compacting the backup wedge to newly placed shoulder as shown on the plans, shall be approved by the Engineer.

**METHOD OF MEASUREMENT**

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The quantity of Removal and Replacement of Shoulder shall be the number of square meters of satisfactorily completed shoulder computed from payment lines on the plan or from revised payment lines established in writing by the Engineer.

**BASIS OF PAYMENT**

The unit price bid for this work shall include the cost of furnishing all labor, material and equipment necessary to complete the work.

When an asphalt concrete material is placed in one operation in both the shoulder and pavement area, a deduction from the weight delivered shall be made for the asphalt concrete placed in the shoulder. The quantity to be deducted will be determined by multiplying the computed volume of such material placed in the shoulder within the payment lines times a factor of 2.25 metric tons per cubic meter.

The asphalt concrete shoulder material meeting the requirements of Section 403 shall be eligible for the Asphalt Price Adjustment. The conversion factor to be used is 0.01 of a metric ton of asphalt per square meter.

DISAPPROVED BY E111000