

ITEM 581.5001 25 - REMOVAL OF BRIDGE WEARING COURSE

1. DESCRIPTION:

- 1.01 The work shall consist of removing and disposing of the bridge wearing course where indicated on the plans, or where ordered by the Engineer.
- 1.02 The Contractor is advised that the thickness of the wearing course, as shown on the plans, is approximate only and is based on the best information available to the Authority at the present time. No additional compensation will be made for thickness in excess of that indicated on the plans, nor will any deduction be made for thickness less than that shown on the plans.

2. MATERIALS:

- 2.01 Not Specified.

3. CONSTRUCTION DETAILS:

- 3.01 Before starting work on this item, the Contractor shall submit to the Engineer for approval a plan showing his proposed schedule of operation, method of removal and a complete description of equipment to be used. On those bridges where the structural slab is not to be removed, only rubber tired equipment is to be used for this work. No high impact breaking apparatus will be permitted. Maximum Impact per blow shall be 134 meter kilograms. The Allied "Rapid-Ram Model 33" is given as a stipulated reference as a mounted demolition tool having the maximum allowable impact for this work.
- 3.02 The Contractor shall provide adequate protection approved by the Engineer to completely preclude any possibility of material dropping from the bridge onto highways, residences, railroads, rivers or any other objects below.
- 3.03 If during the removal operations, any components of the bridge that area not scheduled to be removed, such as the structural slab, curbs, scuppers or expansion joints are damaged by the Contractor's men or equipment, they shall be repaired to the satisfaction of the Engineer and at no cost to the Authority.
- 3.04 Where scuppers and/or expansion joints are not to be removed, the Contractor shall first chip around three sides of each scupper and on each side of steel expansion joints to the full depth of the wearing course.
- 3.05 Where the wearing course is to be removed in stages or only a portion is to be removed the Contractor shall be required to saw cut a joint between that portion to be removed and the portion which shall temporarily or permanently remain in place.
- 3.06 The Contractor's attention is directed to the fact that no sealer nor other bond breaker was applied to some structural slabs when originally constructed, therefore, areas of considerable difficulty may be encountered when removing an existing wearing course of Portland cement concrete. In cases where equipment equivalent to the stipulated reference for maximum impact given in 3.01 above will not satisfactorily split the wearing course at the interface with the structural deck it may be necessary to utilize a concrete grinding machine (with depth control) to remove the wearing course to the required depth. No additional compensation will be made if grinding is required on some or all the wearing course.

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3. CONSTRUCTION DETAILS: (cont'd)

- 3.07 The Contractor is hereby informed that any portions of the structural slab which are bonded to and removed with the wearing course shall be included in this item of work. No additional payment will be paid for this work.
- 3.08 **Loose Rubble**, be it materials from the wearing course or structural slab, shall be considered as part of the wearing course and therefore shall be removed concurrent with wearing course removal and paid for under this Item. Removal of **Loose Rubble** shall be construed to mean: vacuuming, blowing, sweeping or any other means to obtain a clean firm deck surface. No additional payment will be made under this item for this work.

4. METHOD OF MEASUREMENT:

- 4.01 The quantity to be paid for under this item will be the actual number of square yards of wearing course removed and disposed of in a manner satisfactory to the Engineer.

5. BASIS OF PAYMENT:

- 5.01 The unit price bid per square yard shall include the cost of furnishing all labor, materials and equipment, to include saw cutting, necessary to complete the required work as described, as well as the cost of supplying a suitable disposal area, and transportation to this area.