

**ITEM 10580.45 M - SOUNDING OF UNDERSIDE OF CONCRETE DECK AND REMOVAL OF LOOSE CONCRETE**

**DESCRIPTION:** The work shall consist of sounding the entire underside of the concrete bridge deck and the removal and disposal of all the loose and/or delaminated concrete that is encountered.

**MATERIALS:** None specified.

**CONSTRUCTION DETAILS:** The Contractor shall sound the entire underside of bridge deck with 1kg manual and /or mechanically operated hand held chipping hammers to determine those areas of underside of concrete deck that are loose and/or delaminated. The Contractor shall remove all areas of concrete underside of deck that are loose and/or delaminated as directed by the Engineer. The Contractor shall use 1 kg hand held manually and/or mechanically operated chipping hammers as approved by the Engineer for the concrete removal.

The Contractor shall take proper precautions during the sounding and removal of the loose concrete to prevent the debris from falling to the ground and shall secure the area below to be free from pedestrians, vehicles and other property subject to damage. All property that can not be removed shall be properly protected. All loose concrete which inadvertently falls to the ground below shall be properly cleaned up and disposed of in a manner satisfactory to the Engineer. All damages resulting from the Contractor operations shall be the responsibility of the Contractor.

The removal, and disposal of the loose and/or delaminated concrete shall be in accordance with all current applicable requirements and regulations.

**METHOD OF MEASUREMENT:** Payment for the work under this item will be made on a lump sum basis.

**BASIS OF PAYMENT:** The lump sum price bid includes the cost of furnishing all labor materials and equipment necessary to complete the work described in this specification, the Plans and by the Engineer.

90% of the lump sum price bid will be paid in monthly progress payments, based on the percentage of the total area of underside of deck completed to the satisfaction of the Engineer.

10% of the lump sum price bid will be paid after the entire concrete underside of deck has been sounded and all loose and/or delaminated concrete has been removed to the satisfaction of the Engineer.