

ITEM 11580.0201 M - REMOVAL OF STEEL SUPPORTED STRUCTURAL SLAB (WITH OR WITHOUT SHEAR CONNECTORS)

ITEM 11580.0202 M - REMOVAL OF STEEL SUPPORTED STRUCTURAL SLAB (WITH OR WITHOUT SHEAR CONNECTORS) - (WHERE AND WHEN USAGE)

DESCRIPTION: The work shall consist of removal of structural concrete from steel supported structural slabs (with and without shear connectors), where indicated on the plans or as ordered by the Engineer. The requirements of NYSDOT Standard Specification, subsection 580-1.03, shall apply. All removed material shall become the property of the Contractor and shall be removed from the work site. All work using 11580.0201 M shall be where indicated on the plans and all work using 11580.0202 M shall be as per the "Where and When" provisions of the contract.

MATERIALS: Materials used in this work shall conform to the NYSDOT Standard Specification, subsection 580-2.

CONSTRUCTION DETAILS:

- A. *General.* The requirements of NYSDOT Standard Specification, subsection 580-3.01, shall apply.
- B. *Removal of Steel Supported Structural Slab.* The use of hoe rams or concrete removal equipment, other than specified hereinafter, is prohibited. Concrete shall be removed using chipping hammers weighing no more than 20 kg, with the bit and muffler removed, within an area extending 450 mm from the edge of the concrete to remain. Beyond the 450 mm, the Contractor may use chipping hammers weighing no more than 40 kg, with the bit and muffler removed, to remove concrete. The hammers shall deliver no more than 1600 blows per minute for 20 kg hammers and 1250 blows per minute for 40 kg hammers. The Contractor shall provide the Engineer with information from the hammer manufacturer that these requirements are not exceeded. The air pressure, measured at the compressor, shall not exceed 0.75 MPa for 20 kg hammers and 0.58 MPa for 40 kg hammers. An air pressure gauge in proper working condition, shall be provided. Only sharp chisel point bits shall be used. All bits determined by the Engineer to be dull shall be sharpened or replaced. If the Engineer determines that the Contractor's operations are resulting in damage to adjacent concrete or support steel to remain, the Contractor shall make immediate corrections. These corrections shall include the use of a lighter chipping hammer, if so ordered by the Engineer. Damage caused by the Contractor's operations shall be repaired to the satisfaction of the Engineer at no additional cost to the State.

METHOD OF MEASUREMENT: Measurement will be taken as specified in NYSDOT Standard Specification, subsection 580-4.03.

BASIS OF PAYMENT: The basis of payment shall be as specified in NYSDOT Standard Specification, subsection 580-5.03.