

**ITEM 580.06000006 - REMOVAL OF PRESTRESSED CONCRETE BEAM
SUPPORTED STRUCTURAL SLAB**

DESCRIPTION: This work shall consist of removing and disposing the concrete slab from prestressed concrete beams, at the locations required by the contract documents. The tie-in reinforcing bars in the prestressed concrete beams and diaphragms shall remain.

MATERIALS: None specified.

CONSTRUCTION DETAILS: The Contractor shall exercise care during the execution of the work to avoid damaging or loosening material that is to remain. All damage caused by the Contractor's operations to material that is to remain shall be repaired or replaced as determined by the Engineer. All repair and replacement work shall be done in a manner satisfactory to the Engineer.

Concrete shall be removed to expose the tops of the prestressed concrete beams and diaphragms while retaining the tie-in bar reinforcement. The tie-in bar reinforcement is defined as the bar reinforcement which is precast into the prestressed concrete beam and diaphragms. All other reinforcement and wire mesh shall be removed.

The concrete slab directly above the top flange plus 6 inches from each edge of the top flange of prestressed beams and from the top of diaphragms shall be removed by hydro-demolition. All provisions of Section 579-3.04 shall apply. The rest of the concrete slab shall be removed either by hydro-demolition or as per provisions of Section 580.

METHOD OF MEASUREMENT: The work will be measured as the number of square feet of concrete removed. Quantities will be determined from field measurements.

BASIS OF PAYMENT: The unit price bid per square foot shall include the cost of all labor, material and equipment necessary to complete the work. No additional payment will be made for removals, repairs or replacements made necessary due to the Contractor's operations.

**ITEM 580.06010006 - REMOVAL OF PRESTRESSED CONCRETE BEAM
SUPPORTED STRUCTURAL SLAB (SPREAD BEAMS)**

DESCRIPTION: This work shall consist of removing and disposing the concrete slab from prestressed concrete beams, at the locations required by the contract documents. The tie-in reinforcing bars in the prestressed concrete beams and diaphragms shall remain. All materials, carried by the supporting prestressed concrete beams of the superstructure, shall be removed unless the plans specifically indicate removal under another item or that the material is to remain in place.

MATERIALS: None specified.

CONSTRUCTION DETAILS: The Contractor shall exercise care during the execution of the work to avoid damaging or loosening material that is to remain. Any damage caused by the Contractor's operations to material that is to remain shall be repaired or replaced as determined by the Engineer. All repair and replacement work shall be done in a manner satisfactory to the Engineer.

Concrete shall be removed to expose the tops of the prestressed concrete beams and diaphragms while retaining the tie-in bar reinforcement. The tie-in bar reinforcement is defined as the bar reinforcement which is precast into the prestressed concrete beam and diaphragms. All other reinforcement and wire mesh shall be removed.

The concrete slab shall be removed with chipping hammers not exceeding 40 lbs in weight with the bit removed. If the Engineer determines that the Contractor's operations are resulting in damage to concrete that is 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.

The contractor may propose to mill the top of the deck to a maximum depth of 2" or until the top mat of reinforcing is exposed. The contractor shall submit this request in writing to the DCES and shall include the specifications for the piece of equipment to be utilized.

METHOD OF MEASUREMENT: The work will be measured as the number of square feet of concrete removed. Quantities will be determined from field measurements.

BASIS OF PAYMENT: The unit price bid per square foot shall include the cost of all labor, material and equipment necessary to complete the work. No additional payment will be made for removals, repairs or replacements made necessary due to the Contractor's operations.