

**ITEM 564.61 06 - REMOVE, STORE, AND RELOCATE EXISTING
DIAPHRAGMS ON STRUCTURE**

DESCRIPTION.

This work shall consist of removal, storage and relocation of existing diaphragms on structures as shown in the contract documents.

MATERIALS.

Existing diaphragms shall be salvaged and reused during relocation. All new steel for the connection plates shall be 248 MPA. All new bolts, nuts and washers shall meet the requirements of ASTM F-568, Class 8.8.

CONSTRUCTION DETAILS.

Before starting work, the Contractor shall fully inform the Engineer of the method of removal and types of equipment he proposes to use, which shall be subject to the approval of the Engineer. This approval shall not be considered as relieving the Contractor of his responsibility for safety of his methods of work, equipment, or for damage to the structure.

The locations of the existing diaphragms to be removed shall be as shown on the plans. The Contractor shall carefully dismantle and remove the existing diaphragms and provide safe storage of the salvaged materials until reuse. The salvaged diaphragms shall be erected in the relocated location and properly connected in accordance with the details on the plans. Subsection 644-3.06 and New York State Steel Construction Manual requirements for welding and structural steel erection shall apply. The Contractor shall provide new bolts and connection plates as specified on the contract plans during reinstallation. Localized paint removal shall be done and paid for under Item 16570.72 M. Localized painting of bare structural steel shall be done and paid for under Item 16570.32 M.

METHOD OF MEASUREMENT.

The quantity to be paid for under this item will be the number of diaphragms relocated as shown in the contract documents.

BASIS OF PAYMENT.

The unit price bid shall include the cost of furnishing all labor, materials and equipment necessary to remove, provide safe storage, reconnect the diaphragms at the relocated location. No separate payments will be made for new connection plates, bolts, washers, nuts drilling of bolt holes and for welding. Any material that is damaged through carelessness on the part of the Contractor shall be replaced by him at his own expense.

Progress payments for the work under this item will be made as follows: 25% for the removal and storage of the diaphragms and the remainder (75%) upon satisfactory relocation of the diaphragms.