

## **ITEM 585.3501--25 - TEMPORARY SUPPORT FOR DECK SLAB**

### **1. DESCRIPTION:**

- 1.01 This work shall consist of furnishing, installing, and removing temporary steel beam assemblies to support the existing concrete deck during deck reconstruction.

### **2. MATERIALS:**

- 2.01 Materials used for the beam assemblies shall conform to the following requirements:



- 2.02 Used structural steel will be allowed for temporary supports provided the material is in good condition and satisfactory to the Engineer. All high strength bolts, nuts, and washers shall be new.

### **3. CONSTRUCTION DETAILS:**

- 3.01 Fabrication and erection of steel beam assemblies shall be in accordance with the New York State Steel Construction Manual (SCM).
- 3.02 Shop drawings shall be prepared, approved, and distributed in accordance with the provisions of the SCM.
- 3.03 Beam assemblies shall be completely installed as shown on the Contract Plans or as approved by the Engineer prior to saw cutting the existing deck slab.
- 3.04 Beam assemblies shall be positively secured to the existing steel structure to prevent dislodgement as a result of construction operations, vibrations from traffic, etc. Welding of the beam assemblies to the existing structure is prohibited.
- 3.05 Beam assemblies shall be placed tight against the bottom of the existing deck utilizing neoprene pads as shown on the Contract Plans.
- 3.06 The Contractor shall fabricate a sufficient quantity of complete beam assemblies to suit the Contractor's chosen method of construction and schedule of operations.
- 3.07 After removal of the deck slabs supported by the temporary beams, the Contractor shall disassemble and remove the beam assemblies.
- 3.08 Beam assemblies and neoprene pads may be reused at other locations on the project as long as they are not damaged. Any material in the beam assembly that is damaged shall be repaired or replaced as directed by the Engineer before reuse.
- 3.09 At the completion of the project, all materials required to complete the work under this item shall become the property of the Contractor.

### **4. METHOD OF MEASUREMENT:**

- 4.01 Measurement will be made for each location requiring installation of the temporary deck support.

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**5. BASIS OF PAYMENT:**

- 5.01 The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work as shown on the Contract Plans including the removal of the beam assemblies.