

ITEM 589.51XX-25 - REMOVE, STORE, MODIFY AND REINSTALL EXISTING STRUCTURAL STEEL

1. DESCRIPTION:

- 1.01 The work shall consist of removal, storage, cutting, and reinstallation of existing structural steel where indicated on the Contract Documents, including the removal of existing rivets where necessary, the installation of high strength bolts, nuts, and washers and the installation of bearing or transverse stiffeners.

2. MATERIALS:

- 2.01 The following shall meet the requirements of Subsection 700 – Materials:



3. CONSTRUCTION DETAILS:

3.01 General:

- A. Prior to the beginning of disassembly work, the Contractor shall document the condition of the existing steel. The Engineer shall verify and certify the accuracy of the Contractor's documents. After verification and certification, the Engineer shall be supplied with two (2) certified copies of this documentation. All damaged or otherwise unacceptable steel conditions, which are not so documented, shall be the Contractor's sole responsibility to repair to the satisfaction of the Engineer at no additional cost to the Authority.
- B. Disassembly work shall be performed in accordance with the requirements of Section 589-3, except all steel shall be stored in accordance with the requirements of the New York State Steel Construction Manual, Subsection 1401.
- C. Reinstallation work shall be performed in accordance with the requirements of [REDACTED] [REDACTED] certified copies of the test results are not required) and [REDACTED] of the New York State Steel Construction Manual.
- 3.02 **Paint:** Paint removal shall be in accordance with Standard Specification Section 589-3.01.
- 3.03 **Cutting:** Cutting of the steel shall be performed in accordance with Standard Specification Section 589-3.03.
- 3.04 **Fastener Removal:** Removal of fastener shall be performed in accordance with Standard Specification Section 589-3.04.
- 3.05 **Welded Connections:** Removal of welded connections shall be performed in accordance with the Standard Specification Section 589-3.04.
- 3.06 **Concrete Removal from Structural Steel Members:** Removal of structural concrete from the steel member to be reused shall be performed in accordance with Standard Specification Section 580-3.05.
- 3.07 **Field Drilling Holes in Existing Structural Steel:** Field drilling holes for bolted connection shall be performed in accordance with Standard Specification Section 586-3.04.

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3. CONSTRUCTION DETAILS: (cont'd)

3.08 **Field Connections:** All assembly connections shall be made by means of high strength bolts, unless otherwise directed by the plans. Any necessary welding work shall be per-approved by the Engineer and shall meet the requirements of the New York State Steel Construction Manual.

4. METHOD OF MEASUREMENT:

4.01 Measurement will be taken as each unit of existing steel, stored, modified, and reinstalled.

5. BASIS OF PAYMENT:

5.01 The unit price bid per each unit shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work.

5.02 Progress payments will be made according to the following schedule:

- A. Disassembly/Storage – Sixty percent (60%) of the measured quantity will be paid for after the steel has been stored.
- B. Modification/Reinstallation – The remainder of the measured quantity will be paid for after the steel has been reinstalled as directed.