

ITEM 585.36 11M - TEMPORARY STEEL FOR DECK SUPPORT

DESCRIPTION

This work shall consist of furnishing, installing, disassembling, and stockpiling temporary steel to support the existing concrete deck slab to remain during deck reconstruction in accordance with the contract documents and as directed by the Engineer.

MATERIALS

Materials shall meet the requirements of the New York State Steel Construction Manual (NYSSCM) and in the following subsections of Section 700 of the New York State Standard Specifications dated January 2, 2002 with current additions and modifications:

Timber	712-13
Structural Steel	715-01
High Strength Bolts, Nuts and Washers	715-14

Used structural steel and timber may be used for the temporary supports provided the material is in good condition and satisfactory to the Engineer. All high strength bolts; nuts and washers shall be new.

CONSTRUCTION DETAILS

The temporary supports shall be capable of transmitting loads resulting from the weight of the new and existing deck slab, formwork, structural steel, as well as loads from construction equipment, workers and all other loads required by the Contractor to complete the work.

The temporary supports shall be completely installed as shown on the Contract Plans, prior to saw cutting the existing deck slab to be removed. The temporary supports shall be positively secured to the existing steel structure to prevent any dislodgement as a result of the construction operations and vibrations from live loads. Welding of the temporary support steel to the existing structure is prohibited. The longitudinal support beam shall be placed tight against the bottom of the existing deck to remain, shim as required.

The Contractor shall fabricate, transport, unload and install a sufficient quantity of complete support assemblies to suit the Contractors' chosen method of construction. However, the Contractor shall fabricate a minimum amount of assemblies as specified on the Contract Plans. An assembly is defined as a complete steel setup as required to support the longitudinal deck construction joint for a full span. Removal of the support steel shall not occur until the new deck cures for a minimum of seven (7) curing days as defined in the NYSDOT Standard Specifications Para. 555-3.08A, or as directed by the Engineer. In accordance with his operation, the Contractor shall disassemble the steel and reinstall it into an adjacent span requiring deck support steel or shall place the steel into stockpile or storage at a site location designated by the Engineer.

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All components of the steel supports shall become the property of the State of New York by the end of the project for future use by the State. The Contractor shall neatly store the steel at a storage site designated by the Engineer. Areas disturbed by the installation of the supports shall be restored to the satisfaction of the Engineer. New fasteners and drilled holes shall be installed as detailed. Abandoned drilled holes shall be filled with high strength bolts.

Structural Steel shop and erection drawings shall be provided by the Contractor and shall be in accordance with Section 2 of the NYSSCM.

METHOD OF MEASUREMENT

Measurement will be made for each span location requiring the installation of the temporary deck support steelwork.

BASIS OF PAYMENT

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