

**ITEM 11585.31 M - TEMPORARY SUPPORTS FOR RAILROAD BRIDGE**

**Description:**

The work shall consist of furnishing all materials, equipment, labor and incidentals necessary for the installation and demolition of temporary supports for the Railroad Bridge, BIN 7-71534-0, as shown on the contract plans. Temporary supports located at piers 4, 6 and 7 are required for the construction of the bridge in stages to allow for the maintenance and protection of vehicular traffic.

**Materials:**

All materials the contractor proposes for use shall conform to the latest requirements of the NYSDOT Standard Specifications dated January 2, 1995 with current additions and modifications.

The contractor shall conform to the following related specification:

Drill shafts: 17551.9949 M

**Construction Details:**

Temporary supports shall be installed at the location shown on the plans.

Drilled shaft foundations and reinforced concrete columns shall support all loads including live and impact loads transmitted to the pier caps. The related specifications and design notations applicable to the construction of permanent structures shall also apply to all temporary structures. Related specifications are noted above under the heading of Materials.

Construction procedures shall conform to the latest editions of the NYSDOT Standard Specification for Highway Bridges and the New York State Steel Construction Manual, including all additions and modifications.

Construction and demolition of temporary supports shall be performed in accordance with the Maintenance and Protection of Traffic (MPT) plans and staging schedule shown on the contract plans or as approved by the Engineer.

All work shall be coordinated with the Railroad and shall conform to Standard Specification 105-09 and supplemental specifications and agreements. As such, to minimize delays, the Contractor shall provide advance notice to the Railroad, as designated by the Engineer, for all work to be performed on Railroad property.

The limits of demolition are as shown on the contract plans. All demolition work shall conform to the requirements of Standard Specification 202.

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Demolition of temporary supports shall not proceed until all permanent supports are securely in place and the load is transferred to the permanent support. Demolition shall not proceed without the written authorization of the Engineer.

The Contractor shall furnish for the Engineer's approval, working drawings prepared, stamped and signed by a New York State Licensed Professional Engineer.

The drawings shall include but need not be limited to the following:

1. Location of temporary supports if there is any deviation from design.
2. Details of support systems if there is any deviation from design.
3. Type and grade of all materials used.
4. Equipment used for construction.
5. Special procedures required for construction and demolition.

The Contractor shall not begin construction or demolition until all related working drawings have been approved by the Railroad and the Engineer.

The Contractor shall bear all costs which may result from the ordering of any materials or equipment or the use of any preparatory labor prior to the approval of the working drawings.

Installation of temporary supports shall be in accordance with the approved working drawings.

The Contractor shall make every effort to minimize damage to those elements of existing and new structures to remain, adjacent slabs on grade and all surrounding property, both public and private.

Any damage done to the existing facility by the Contractor's operations shall be repaired, to the satisfaction of the Engineer, at the Contractor's expense.

Special attention shall be given to the safety of pedestrians and vehicles and their occupants.

All materials required for temporary supports shall remain the property of the Contractor and shall be removed from the site after the work is completed, unless otherwise permitted by the Engineer.

### **Method of Measurement:**

The work shall be measured as a lump sum for the temporary support at each location.

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Payment for furnishing equipment for drilled shafts to perform this work shall be included in the bid price for item 17551.60M.

**Basis of Payment:**

Payment will be at the lump sum price bid for the installation and demolition of each temporary support provided. The price bid per location shall include the cost of all labor, materials and equipment necessary to complete the work, except as provided above.

Payment shall be subdivided as follows: 25% at completion of drilled foundations, 50% at completion of columns and 25% at completion of demolition to required elevations, including backfill and restoration of grade as shown on the contract plans.