

ITEM 10606.4796 M – HALF SECTION STEEL TRAFFIC BARRIER

DESCRIPTION

This work shall consist of furnishing and installing half section steel traffic barriers of the configuration shown on the Contract Plans including all hardware and connections to the supports, terminations and all else required for a complete installation. This work shall include furnishing all labor, materials and equipment necessary to satisfactorily complete the work in accordance with the Contract Plans and Specifications.

MATERIALS

A Shop Inspection Agency, approved by the Engineer, shall witness, inspect and certify that all structural steel and metal furnished has been fabricated in accordance with the requirements stipulated in this Section and the New York State Steel Construction Manual.

Materials shall meet the requirements specified in the following sections of the Standard Specifications and ASTM Specifications:

Structural Steel	Section 715-01, ASTM A709M-Grade 250
High Strength Bolts	Section 715-14, ASTM A325M
Nuts	Section 715-14, ASTM A563M
Washers	Section 715-14, ASTM F436M.

All connection materials shall be as shown on the Contract Plans. All bolts, nuts and washers shall be galvanized in accordance with Section 719-01 of the Standard Specifications and ASTM A153M.

All welding and fabrication shall be in accordance with the New York State Steel Construction Manual.

Painting of the steel barriers and connection materials shall conform to the requirements of Section 740-01 of the Standard Specifications (color of the paint to be shown on the plans).

SUBMITTALS

Submittals shall include the following:

1. As soon as the Contract is awarded, the Contractor shall notify the D.C.E.S. of the names and addresses of all manufacturers, fabricators and suppliers utilized for the work in this Section. This notification shall list the specific shop or shops in which the barrier will be fabricated.
2. Complete shop drawings in conformance with the New York State Steel Construction Manual. Shop Drawings shall include plan and elevation views showing accommodation of roadway grade, details of connections, expansion joints and so forth.
3. Erection plan and schedule of steel traffic barriers.

All shop drawings shall be approved by the D.C.E.S. prior to construction.

DELIVERY AND STORAGE

All barriers shall be isolated from each other by a suitable material during shipping to prevent damage. Material shall be protected from scratches, nicks, dents and gouges during delivery, storage, assembly and

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installation. Any damage to the paint shall be repaired in accordance with the Standard Specifications Section 572-3.06 at no cost to the State.

CONSTRUCTION DETAILS

Fabrication and erection of the steel traffic barriers shall be in accordance with the Plans, the New York State Steel Construction Manual and as directed by the Engineer. All erection shall be subject to the inspection of the Engineer who shall be given all facilities required for a visual inspection of workmanship and materials.

METHOD OF MEASUREMENT

This work will be measured as the number of meters of Steel Traffic Barriers furnished and installed in accordance with the Contract Plans and Specifications. The measurement shall be along the horizontal line on the top of the barrier.

BASIS OF PAYMENT

The unit price bid per meter of Steel Traffic Barrier shall include the cost for all labor, materials and equipment necessary to satisfactorily complete the work in accordance with the Contract Plans and Specifications. The cost for all preparation, incidentals, adjustments and inspections shall be included in the unit price.

No separate payment will be made for hardware, paint or modified sections.