

ITEM 02615.8003 M - GALVANIZED STEEL PIPE HANDRAIL

DESCRIPTION:

This work shall consist of the construction of galvanized steel pipe handrail in accordance with these specifications, the details shown on the plans and as directed by the Engineer.

MATERIALS:

Materials shall conform to the requirements of Subsection 710-10.01, Steel and Iron Posts, Rails, Braces and Fittings for Chain-Link Fence. Posts and rails shall be 38 mm nominal galvanized steel pipe 710-10.01. Concrete for post supports shall be Class A (Item 555.01).

CONSTRUCTION:

All railing is to be fabricated and erected so that the rails are parallel to each other and to the adjacent surface and so that the posts are truly vertical to provide a neat workmanlike appearance when completed.

Intermediate posts shall be provided at each break in the vertical or horizontal alignment as shown on the plans. Between end posts and/or posts located at alignment changes, the post spacing shall be equal with a maximum spacing of 1.8 meters. Complete field measurements shall be made after the adjacent surface is constructed and before any shop fabrication is performed. The top and bottom rails shall be welded to the posts in compliance with the requirements set forth under "welding" in the New State Steel Construction Manual. Welded areas shall be galvanized in accordance with Subsection 719-01, Galvanized Coatings and Repair Methods, Type III.

The rail shall be prefabricated in lengths suitable for transporting to the project and so that field welding will be kept to a minimum. Any necessary field welding and galvanizing shall be in compliance with the above requirements. The typical end treatment shown on the plans shall be provided at each end of each independent rail section.

METHOD OF MEASUREMENT:

The quantity to be paid for will be the number of linear meters of handrail measured along the top rail center to center of end posts, properly furnished and installed in accordance with the requirements of the plans, specifications and directions of the Engineer.

BASIS OF PAYMENT:

The unit bid price per linear meter shall include the cost of furnishing all labor, materials, tools and equipment necessary to complete the work and shall include the cost of end treatments, transportation, excavation, backfill, posts, rails, concrete, sleeves and all other materials necessary to complete the work.