

ITEM 08615.6050 M - WOOD AND METAL BICYCLE RAILING

DESCRIPTION:

This work shall consist of furnishing and installing wood and metal bicycle railing, including posts and component parts, in accordance with these specifications, as shown on the plans and as directed by the Engineer.

MATERIALS:

Wood rails shall be the size specified on the plans and in accordance with Section 712-13. Surface dried redwood, red cedar, white cedar or cypress may be used untreated. Other lumber shall be pressure treated in accordance with Section 708-31, Wood Preservative - Water Borne. Bituminous and oil-borne preservative treatments will not be permitted.

When a color other than the color of the wood is specified, it shall be obtained by the application of an approved stain to the satisfaction of the Engineer.

Rectangular galvanized steel tubing - A36 or A500 Grade B.

All nuts, bolts, washers, angle irons, rectangular steel tubing, metal plates and other metal hardware shall be galvanized in accordance with Section 719-01, Galvanized Coatings and Repair Methods.

Anchor bolts shall be securely fastened, as shown on the plans and to the satisfaction of the Engineer.

Structural concrete for footings shall comply with the material requirements of Concrete For Structures, Class A.

CONSTRUCTION DETAILS:

Posts, rails and end assemblies shall be erected in the position and manner indicated on the plans and as approved by the Engineer. All posts shall be aligned on the plans and as approved by the Engineer. All posts shall be aligned to a tolerance of ± 6 mm for plumb and grade line.

Excavation for footings shall comply with the requirements of Section 206, Trench, Culvert and Structure Excavation.

Concrete work shall comply with the requirements of Section 555 - Structural Concrete.

Welding, whether shop or field as shown in the Contract Documents, shall conform to the requirements for welding specified in the "New York State Steel Construction Manual" except radiographic inspection will not be required.

Galvanizing damaged by field welding or any other cause shall be repaired in accordance with the requirements of Subsection 719-01, Galvanized Coatings and Repair Methods.

The Contractor, at his option, may submit shop drawings and details for an alternative wood and metal bicycle railing. No work on an alternate shall be done without the written approval of the Regional Design Engineer.

METHOD OF MEASUREMENT:

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This work will be measured as the number of linear meters of railing measured along the center of the uppermost rail as shown on the plans or as directed by the Engineer.

BASIS OF PAYMENT:

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

DISAPPROVED
BY ET 12-001