

ITEM 11606.9501 M - Timber Barrier Rail Two Rail (Type A)  
ITEM 11606.9502 M - Timber Barrier Rail One Rail (Type B)  
ITEM 11606.9503 M - Timber Barrier Rail One Rail (Type C)  
ITEM 11606.9504 M - Timber Barrier Rail Two Rail (Type C)  
ITEM 11606.9505 M - Timber Barrier Rail One Rail (Type D)  
ITEM 11606.9506 M - Timber Barrier Rail Two Rail (Type D)

## DESCRIPTION

Under these items, the Contractor shall furnish and erect timber barrier railing in accordance with the plans and specifications and directions of the Engineer. The work under these items includes necessary excavation and backfill. Unless otherwise indicated, the barrier rail shall conform to NYC Department of Parks & Recreation (NYCDPR) Standard Detail Sheet "Barrier Rail Types A-D".

## MATERIALS

Posts and Rails : Shall be manufactured of No. 1 common Douglas Fir or Yellow Pine. The posts and rails shall be manufactured in accordance with details shown on the NYCDPR Standard Sheet. All exposed corners and faces shall be free from damage, dog holes, pike or cant holes.

Fastenings - All fasteners shall be hot-dipped galvanized.

Preservative Treatment: All wood components shall be pressure preservative treated in strict accordance with the provisions of the AWWA standards. Wood shall be seasoned, either by air-drying or kiln drying, and the moisture content prior to treatment shall be not more than 25%. Wood shall be treated with CCA preservative Type B or Type C to a net retention of 6.4 kilograms per cubic meter. The preservative shall penetrate 65 mm or 85% of the sapwood. All details of treatment methods, quality control and product testing shall be in accordance with the appropriate AWWA standards.

If any other preservative treatment is proposed, the Contractor shall submit documentation that such treatment conforms to the AWWA Standards for treatment of the wood for the intended use.

Posts shall be dried at least thirty days after treatment and prior to installation. All fabrication shall be performed prior to treatment. Certificate of compliance from the treating plant shall be submitted to the Engineer.

## Submittals:

Wood Treatment Affidavit: The Contractor shall provide at his own expense a sworn affidavit as to the type, grade and quality of preservative treatment provided, and the net final retention in kilograms per cubic meter of wood impregnated all conforms to the requirements of the specifications.

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### **CONSTRUCTION DETAILS**

Each post shall be supported by a foundation of bagged stone as shown on the drawings. Recycled concrete 19 mm blend in a burlap bag is acceptable. Where field cuts have to be made, the cuts ends shall have two coats of concentrated CCA Preservative Type B or C brushed on.

### **METHOD OF MEASUREMENT**

The quantity of timber barrier rail to be paid for under this item will be the number of meters of the type furnished and erected in accordance with the plans and specifications and directions of the Engineer measured along the top rail.

### **BASIS OF PAYMENT**

The price bid shall be a unit price per meter of each type of rail and shall include preservative treatment, excavating, backfilling, bagged stone and all else necessary to complete the work in accordance with the plans and specifications to the satisfaction of the Engineer.