

**ITEM 07615.0806 M - BENCH**

**DESCRIPTION:**

This work shall consist of furnishing and erecting benches of the type, size, quantities, at the locations shown on the plans or where directed by the Engineer.

**MATERIALS:**

DISAPPROVED  
BY EI 12-001

Materials shall conform to the requirements specified in the following subsections of Section 700 –Materials:

Black Paint	708-14
Wood Preservative - Water Borne	708-31
Wood Preservative - Oil Borne	708-32
Timber and Lumber	712-13
Stress Graded Timber and Lumber	712-14
Structural Steel	715-01
Stainless Steel Connecting Products	715-16
Painting Metal Structures	740-01

All steel support components shall be of uniform quality and condition, free from cracks, blowholes, porous places, hard spots, and shrinkage defects.

Anchor bolts and fasteners used in assembly of the bench shall be stainless steel with zinc dichromate coating for enhanced corrosion resistance. All fasteners shall have vandal proof heads and be painted to match the finish of the bench.

Prior to the application of paint, the steel support components shall be prepared following directions included in Section 740-01. The final paint coat shall conform to the requirements of Section 708-14.

All bench slats shall be free of heart center redwood treated with a clear preservative conforming to the requirements of Section 708-31 or 708-32.

Portland Cement concrete used for footings shall be Class A or C conforming to the requirements of Section 501 "Portland Cement Concrete - General" except that requirements for automated batching shall not apply.

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**CONSTRUCTION DETAILS:**

The Contractor shall submit three (3) copies of catalog cuts or detailed shop drawings to the Engineer for review. Drawings shall show clearly all materials, finishes and connecting and joining methods. No fabrication work shall commence prior to approval of the Regional Landscape Architect.

Assembly of the bench components shall be performed in strict accordance with manufacturer's recommendations for installation. All work shall be free of blemishes or defects which can affect durability, strength or appearance.

The bench or benches shall be assembled and installed true to line and grade as shown on the plans or as directed by the Engineer.

Paint shall be applied at the time of manufacture. The finish coat shall be uniformly applied to insure complete coverage of the primer coat.

All posts shall be set and attached to concrete bases of the depth and diameter shown on the plans or the manufacturers' instructions. The concrete bases shall be rough cast in the ground. The top surfaces of the footings, if exposed, shall be domed to shed water and finished smooth to provide a neat appearance when completed. Grading shall be performed where necessary to provide a neat appearance.

The Contractor shall protect all parts of the bench and maintain it in an undamaged condition until completion and acceptance of the Contract. Any sections damaged at any time prior to final acceptance shall be repaired or replaced at the Contractor's expense.

**METHOD OF MEASUREMENT:**

This work will be measured as the number of benches properly furnished and installed in accordance with the plans, specifications, and directions of the Engineer.

**BASIS OF PAYMENT:**

The unit price bid for each bench shall include the cost of furnishing all labor, materials, tools, and equipment necessary to satisfactorily complete the work and shall include all excavation and disposal, fill, concrete, and all other necessary materials.