

## **ITEM 615.27XX--10 - BICYCLE RACK (DESIGN CAPACITY XX BICYCLES)**

### **DESCRIPTION**

This work shall consist of furnishing and installing bicycle racks in accordance with the plans and specifications or as directed by the Engineer.

### **MATERIALS**

The bicycle rack shall be constructed of ASTM F1083 schedule 40 steel pipe or approved equal. The Contractor shall submit shop drawings and/or catalog cuts to the Engineer for review and approval prior to the installation of the bicycle rack. Drawings shall show clearly all materials, finishes, and connecting methods.

Class A concrete shall be used for the footing.

### **CONSTRUCTION DETAILS**

Bicycle racks shall be constructed in accordance with this specification, the contract documents, and as directed by Engineer.

Each bicycle rack shall be permanently installed on the surface by embedding the bottom portion of the galvanized steel frame, or an extension of the frame, into concrete or by installing a surface flange mount as recommended by the manufacturer.

Assembly of bicycle rack components shall be performed in strict accordance with manufacturer's recommendations for installation if applicable. All work shall be free of blemishes or defects, which can affect durability, strength, safety or appearance. Bicycle racks or parts that are received chipped, scratched, bent, dented, stained, or damaged or are damaged during installation as determined by the Engineer will not be accepted and shall be removed immediately from the project site and replaced with new bicycle racks or parts, which are free from all defects

The Contractor shall set the bicycle rack plumb to the height indicated in the contract documents or as directed by the Engineer.

The Contractor shall protect all parts of the bicycle rack 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.

All sidewalk restoration and excavation shall be included in the price bid for this item.

### **METHOD OF MEASUREMENTS**

This work will be measured as the number of bicycle racks satisfactorily furnished and installed at the locations shown on the plans or ordered by the Engineer.

### **BASIS OF PAYMENT**

The unit price bid for each bicycle rack shall include the cost of furnishing all labor, materials and equipment necessary to complete the work, including sidewalk restoration where necessary.