

ITEM 10615.2603 M - VICTORIAN BICYCLE RACK

DESCRIPTION

The contractor shall furnish, assemble and place Victorian Bicycle Racks as shown on the plans and in accordance with this specification. The bicycle rack shall consist of a cast iron post with steel bicycle loops attached to it and fastened to the ground by means of a steel ground mounting plate.

MATERIALS

The materials for this work shall conform to the following requirements, unless otherwise approved:

- A. Post - The post shall be cast iron, manufactured to the dimensions shown on the plans and shall be free of rush burrs and scratches. Cast iron shall conform to the requirements specified in Subsection 715-05, Iron Castings.
- B. Bicycle loops – The bicycle loops shall be fabricated from solid steel bar stock and balls, manufactured to the dimensions shown on the plans, welded together to form the shape shown on the plans, and attached to the cast iron post as shown on the plans. All burrs and rough edges shall be ground smooth. All welds shall be fillet welds and shall be ground smooth prior to painting. Steel shall conform to the requirements specified in Subsection 715-06, Steel Forgings.
- C. Ground mounting plate – The ground mounting plate shall be fabricated from solid steel plate and post, welded together to form the shape shown on the plans, and attached to the cast iron post with vandal proof steel set screws as shown on the plans. All welds shall be fillet welds and shall be ground smooth prior to painting. Steel shall conform to the requirements specified in Subsection 715-06, Steel Forgings.
- D. Paint - All paint and painting procedures shall conform to the requirements specified in Subsections 708-01, Paints – General and 740-01, Painting Metal Structures, with the exception that the Finish coat shall be black in conformance with Subsection 708-14.
- E. Connecting hardware - The nuts, bolts and fasteners shall be stainless steel, of the types and sizes shown on the plans. Connecting hardware shall conform to the requirements specified in Subsection 715-16, Stainless Steel Connecting Products.

CONSTRUCTION DETAILS

The Contractor shall submit six copies of the Manufacturer's Shop Drawings to the Engineer for approval. These drawings shall be submitted at least ten working days prior to the date the Contractor orders the Bicycle Rack. These items shall not be shipped to the job site until the shop drawings are approved.

The Bicycle Rack shall have been completely fabricated prior to delivery to the site, including the attachment of the steel bicycle loops and ground mounting plate. The Bicycle Rack shall have been completely painted in accordance with these specifications prior to delivery to the site. No welding or painting shall be permitted in the field except as directed by the Engineer to correct any imperfections in the paint that may have occurred during shipping, handling and/or installation of the steel planter.

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Bicycle Racks shall be installed in the locations and manner shown on the plans, as approved by the Engineer.

The mounting plate shall be pre-drilled with holes in the locations shown in the plans. The mounting plate shall be fixed to the pavement with stainless steel expansion bolts of the size and type shown on the plans. If necessary, the contractor shall shim the bottom of the plate with lead shims, as required, to ensure that the Bicycle Rack sits plumb. The cast iron post shall be fixed to the ground mounting plate by means of stainless steel vandal proof set screws of the size and type shown on the plans.

METHOD OF MEASUREMENT

Bicycle Racks shall be measured by the number installed as shown on the plans and to the satisfaction of the Engineer.

BASIS OF PAYMENT

The unit price bid for each Bicycle Rack shall include the cost of furnishing all equipment, materials and labor necessary to complete the work.