

ITEM 04615.8110 M - Bicycle Bollard

DESCRIPTION: This work shall consist of furnishing and installing bicycle bollards in the quantity and at the locations shown on the plans listed in the proposal, or as directed by the Engineer. This is a pedestal mounted bollard designed for bicycle parking. Colors and finish is as specified on the plans or in the contract documents.

MATERIALS: Bicycle bollards shall be high quality, standard manufactured units that are durable, attractive, structurally sound and vandal resistant. One of the following bollards shall be supplied:

BOLLARD, Model 2172-P-C
Manufacturer: Columbia Cascade
1975 S. W. Fifth Ave., Portland, OR, 97201-5293
(503) 223-1157

or

BOLLARD, Model BOL238-2-SF-P
Manufacturer: Madrax
2210 Pinehurst Drive, Middleton, WI, 53562
(800) 448-7931

or

CLASSIC, Model 200-A
manufacturer: Tubular forms, Inc., Lombard, IL, 60148-3260
(603) 627-4646

The manufacturer's specifications, installation instructions, and/or brochures in sufficient detail to indicate compliance with this specification shall be made available to the Engineer three weeks prior to delivery of the bollard to the project site.

CONSTRUCTION DETAILS: Bollards or parts thereof that are received chipped, scratched, bent, dented or damaged in any way as determined by the Engineer will not be accepted, and shall be removed from the site and replaced with new bollards or parts which are free from all defects.

Each bicycle bollard shall be permanently installed at its final location in accordance with the manufacturer's recommendation. Bollards shall be installed on a concrete base by core drilling four (4) mounting holes at each end of the rack and securing the rack with eight (8), 13 mm x 150 mm galvanized bolts with matching nuts and washer (Meeting requirements of ASTM A307, Galvanizing).

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METHOD OF MEASUREMENT: Bicycle bollards will be measured by the number of manufactured units supplied and installed.

BASIS OF PAYMENT: The unit price bid per bicycle bollard shall include the cost of all labor, materials, hardware (i.e. bolts washers, nuts flanges, etc.), drilling and grouting for bolts and incidentals necessary to satisfactorily complete the work. Concrete bases shall be paid for under the appropriate item.

DISAPPROVED
BY EI 12-001