

ITEM 11615.9992 M – CAST IRON BOLLARDS WITH CHAINS AND LOCKS

DESCRIPTION:

This work shall consist of furnishing and installing cast iron bollards with chains and locks in accordance with the contract documents and as directed by the Engineer.

MATERIALS:

Materials shall meet the following requirements:

Ductile Cast Iron Bollards: ASTM A536, Class 80-55-06
Model CB-B, 81 CM Height Cast Bollard, painted black

Bollards shall be the model listed, as supplied by:

Fairweather Site Furnishings	WEMCO Casting, LLC	Architectural Iron Company, Inc.
1525 Vivian Court	20-2 Jules Court	104 Ironwood Court, P.O. Box 126
Port Orchard	Bohemia	Milford
Washington 98367-6400	New York 11716-4106	Pennsylvania 18337-0126
(800) 323-1798	(631) 563-8050	(800) 442-4766 or (570) 296-4766
or (360) 895-1284		

Or equal as approved by the Engineer.

Chains and Locks:

Chain shall be straight linked, case hardened welded steel chain, of the size and finish shown in the contract documents.

Nuts, bolts, and washers shall meet the requirements of ASTM A307 and be galvanized in accordance with subsection 719-01, Galvanized Coatings and Repair Methods, Type I.

Unless shown otherwise on the plans, the locking device shall be a 5 pin tumbler, complete with a rust proof brass cylinder. The shackle shall have a minimum diameter of 11 mm with a minimum vertical clearance of 30 mm. The lock case shall be either forged brass or cadmium plated laminated steel. The locking device shall be approved by the Engineer and furnished with 3 keys.

Basis of acceptance of all materials shall be the Engineer's written approval.

CONSTRUCTION DETAILS:

Bollards shall be furnished and installed according to the details and at locations shown in the contract documents.

Bollards shall be furnished with bollard chain as detailed in the contract documents.

ITEM 11615.9992 M – CAST IRON BOLLARDS WITH CHAINS AND LOCKS

Case hardened steel chain shall be installed in accordance with the details shown in the contract documents.

The fittings, steel plates, and / or hardware shall be installed into the bollards as indicated. Extruded ends shall be hand cut and threads damaged to prevent removal of the nut. The chain shall be attached to the bollard post as shown.

METHOD OF MEASUREMENT:

This work will be measured for payment as the number of linear meters of Cast Iron Bollards with Chains and Locks satisfactorily furnished and installed.

BASIS OF PAYMENT:

The unit price bid for Cast Iron Bollards with Chains and Locks shall include the cost of all labor, materials, and equipment necessary to satisfactorily complete the work.

DISAPPROVED BY E112-001