

ITEM 02615.9992M - INSTALL CAST IRON BOLLARD

Description

This work consists of installing pre-manufactured cast iron bollards at the locations shown on the plans or as directed by the Engineer in accordance with the details on the plans.

Materials

Bollards to be installed were purchased under a separate contract and are stored on-site for installation by the Contractor.

Other materials shall meet the requirements of the following:

Concrete for footing and mortar pad

Water	-	712-01
Select Granular Fill	-	203-2.02C
Portland Cement	-	703-02
Concrete Sand	-	703-07
Admixtures	-	711-08
Reinforcing Steel	-	709-01
Internal Bolts	-	as supplied by Manufacturer or AOB
Direct Burial Base	-	as supplied by Manufacturer or AOB

Construction Details

The Contractor shall set the bollard plumb to the height indicated on the Plans or as directed by the Engineer. Any excavation shall be in accordance with the requirements of Section 206, Trench, Culvert and Structural Excavation. After installation the bollards shall be painted black using an exterior gloss finish approved by the Engineer. Any damage shall be repaired by the Contractor at no cost to the State for the duration of the contract.

Method of Measurement

The quantity to be paid for under this work shall be the number of bollards satisfactorily installed, on an each basis, in accordance with the Plans and/or as ordered by the Engineer.

Basis of Payment

The unit price bid for each bollard shall include the cost of furnishing all labor, materials, and equipment necessary to complete the work, including any necessary excavation, backfill of granular material, and footings.