

ITEM 11615.11 M - REMOVE AND RESET BOLLARDS

DESCRIPTION

This work shall consist of removing existing bollards and resetting the same bollards in accordance with the plans, specifications and standard sheets and as specified by the Engineer.

MATERIALS

Concrete shall conform to the requirements of Section 501 "Portland Cement Concrete - General," and shall be Class A.

CONSTRUCTION DETAILS

The Contractor shall carefully remove the existing bollards, chains between bollards, and pipe foundations for removable bollards as ordered by the Engineer. The existing concrete for individual bollards footings and pipe foundations shall be broken up and removed and the bollards and pipe foundations carefully cleaned for reuse.

Bollards and pipe foundations shall be reset in holes which shall have been formed in the concrete driveway, as shown on the plans or as directed by the Engineer. After the bollards and pipe foundations have been set in place and properly supported to hold them to line and grade, the remaining space shall be filled with a grout consisting of one (1) part cement and two (2) parts sand.

Any bollards, chains between bollards, and pipe foundations damaged in handling and placing shall be replaced at the Contractor's expense.

METHOD OF MEASUREMENT

The work will be measured by the number of bollards, reset in place as shown on the plans, Standard Sheets and directions of the Engineer.

BASIS OF PAYMENT

The unit price per bollard shall include the cost of furnishing all labor, materials, and equipment including excavation, backfilling, handling, transportation, concrete and all incidentals necessary to complete the work.

No additional payment will be made for replacing bollards, chains between bollards or pipe foundations damaged by the Contractor during handling and placing.