

BOLLARDS

Description

This work shall consist of furnishing and installing steel bollards in accordance with the Plans and these Specifications, at the locations shown in the Plans or as staked by the Engineer.

Materials

Posts and Hardware

Type 3 bollard posts shall be steel structural tubing per ASTM A 500 Gr B. Steel plate shall be per ASTM A 36.

All hardware shall be steel, conforming to the size and thickness shown in the Plan. The welding shall not interfere with the fit of the lid in the cover plate.

All steel parts shall be hot-dip galvanized after fabrication in accordance with AASHTO M 111.

Reflective Tape

Reflective tape shall be one of the following or an approved equal:

Scotchlite High Intensity Grade Series 2870
Reflexite AP-1000
Scotchlite Diamond Grade LDP Series 3970
T-6500 High Intensity (Type IV)

Concrete

Footings shall be constructed using concrete Class 3000.

Construction Requirements

Bollards shall be constructed in accordance with the Plans.

Bollards shall not vary more than ½ inch in 30 inches from a vertical plane.

Bollard posts, and the exposed parts of the base assembly shall be painted in accordance with Section 6-07.3(11) for galvanized surfaces. The top coat shall match Federal Standard 595, Color No. 33538, Traffic Signal Yellow.

Measurement

Measurement for bollards will be by the unit for each type of bollard furnished and installed.

Payment

Payment will be made in accordance with Section 1-04.1, for the following bid items:

“Bollard Type _____”, per each.