

REFURBISHMENT OF LAMP POST
CAST IRON

I. Quantity

The base bid shall include the indicated number of Cast Iron Lamp Post as hereinafter specified at the locations shown on the drawings and as located in the field by the engineer to be refurbished.

II. Material

Lamp Post

The Cast Iron Lamp Post are existing poles integrally cast as one piece and is approximately 12' in height with a 7" U Fitter cast on top of the post. Each pole shall have a refurbished access door in the base of the lamp post and shall be secured with new and tamper resistant hardware.

New anchor bolts shall be hot dipped galvanized ¾" diameter x 24" long, 3" hook, nuts, washers, shims and all necessary hardware to complete the installation.

III. Removal of Paint and Rust

The poles are to be thoroughly cleaned sanded or wire brushed until all of the existing finish paint is removed and any spots showing rust are cleaned to the bare metal.

IV. Cleaning and Pretreatment

A. Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, loose rust and other foreign material to ensure adequate adhesion. Remove all oil and grease from the surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (1-2 mils). Prime any bare iron the same day as it is cleaned or before flash rusting occurs.

Parts to be adequately dried so no moisture remains on or in the surface.

B. Primer and Paint Application

Apply Sherwin Williams B67R5 Recoatable Epoxy Primer (Red Oxide) and B67V5 Hardener per the manufacturer specifications. The primer and hardener shall be applied at a spreading rate of 4 – 5 mils DFT. These specifications must be followed unless the engineer has approved an equal product/process.

Apply two coats of Sherwin Williams Acrolon 218 HS, Safety Black, B65-600 Hi-gloss per manufacturer specifications. Before applying the second coat of Acrylic Polyurethane follow specifications in regards to drying. Each coat of polyurethane shall be applied at a spreading rate of 2-3 mils DFT. These specifications must be followed unless the engineer has approved an equal product/process.

V. Packaging Requirements

The lamp post shall be wrapped with clear polyethylene construction sheeting of sufficient strength to protect the finish. Next, bubble wrap shall be applied around the areas of the post that will normally be in direct contact with the ground or trailer bed during shipment and handling to further protect the paint finish in those places. The lamp post shall then be wrapped with 3 ply, 42# Kraft Paperboard, laminated and fluted longitudinally to form a ¾" thick sheet to provide protection from mechanical damage. Finally the entire assemble shall be wrapped with 75GA "stretch wrap" to protect the post finish and packing from moisture.

Manufacturer shall guarantee the paint finish in lieu of not meeting the packaging specifications.

VI. Installation

The lamp post shall be placed on a concrete foundation with sufficient care to preserve the exterior of the pole and the surface of the foundation. The pole shall be plumb and tightened as shown on the drawings and as indicated in the field by the engineer.

Once installed, the contractor shall inspect each pole for damage, such as, scratching or chipping of paint. If damage is discovered the contractor shall be responsible for painting the areas that need attention. Refer to the above stated paint specifications (Section IVB) for additional information.

VII. Quotation Required

The complete refurbishment of the Cast Iron Lamp Post shall be quoted as a unit price in each of the appropriate places in this document.

