

87700XXX STEEL MAST ARM ASSEMBLY AND POLE (LCDOT)
8770XXXX STEEL COMBINATION MAST ARM ASSEMBLY AND POLE (LCDOT)

Effective: October 1, 2016

Revised:

LC877.02

Description: This work shall consist of furnishing and installing a steel mast arm assembly and pole or steel combination mast arm assembly and pole at locations shown on the plans and/or as directed by the Traffic Engineer.

Materials: Traffic signal mast arms shall be one-piece construction, unless otherwise approved by the Traffic Engineer. All mast arms, mast arm poles, luminaire arms, cast iron bases, and any exposed steel hardware shall be hot-dipped galvanized.

General: This work shall be performed according to Section 877 of the "Standard Specifications" and the following:

All holes drilled into signal poles, mast arms, or posts shall require rubber grommets to prevent the chafing of wires.

Luminaire arms shall be steel, 20 feet in length, unless stated otherwise on the plans, tapered, monotube style, with AASHTO 2001 wrap-around, gusset style connection.

Luminaires shall be "cobra head" style, with a minimum mounting height of 45 feet, unless stated otherwise on the plans, and shall be paid for separately.

Stainless steel mesh screening shall be stainless steel banded to the anchor bolts, with a minimum 2-inch lap, to enclose the void between the top of the foundation and the base plate. The mesh screening shall have ¼-inch maximum opening and a minimum wire diameter of AWG NO. 16. The screening shall not be installed until the Traffic Engineer has inspected the leveling nuts at the Traffic Signal "Turn-On".

The base of the mast arm pole shall be protected by a bolt-on galvanized metal shroud or an approved equal. The shroud shall be of sufficient strength to deter pedestrian and vehicular damage. The shroud shall be constructed and designed to allow air to circulate throughout the mast arm but not allow infestation of insects or other animals, and such that it is not hazardous to probing fingers and feet. All mounting hardware shall be stainless steel.

Basis of Payment: This work will be paid for at the contract unit price per each for STEEL MAST ARM ASSEMBLY AND POLE (SPECIAL) or STEEL COMBINATION MAST ARM ASSEMBLY AND POLE (SPECIAL), of the signal arm length specified.