

**Section 02582S**

**TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL)**

*The following supplement modifies Section 02582 – Traffic Signal Pole Assemblies Standard Specification. Where a portion of the Specification is modified or deleted by this Supplementary Specification, the unaltered portions of the Specification shall remain in effect.*

Replace Section 2.06 with the following:

**2.06 LUMINAIRE ARM**

A. General

1. The luminaire arm shall be fabricated from 2-inch Schedule 80 pipe.
2. The length of the luminaire arm shall be as shown in the standard drawings or required in the plans.
3. The luminaire arm shall be connected to the pole shaft with simplex fittings, and in accordance with details shown on the standard drawings.

B. Lighting Requirements

1. Luminaires shall be positioned parallel to signal mast arms providing illumination to crosswalk areas.
2. A 115 Watt LED cobra head luminaire (*LED Color Temperature 4000k Bright White and Optical Distribution Pattern Type II or Type III*) shall be provided on each approach.
3. A photocell shall be provided on the luminaire closest to the traffic signal controller cabinet.
4. Power for street lighting shall come from the metered service pedestal and be routed through the traffic signal controller cabinet to each signal pole with luminaire.

C. Conductor Requirements

1. Two #10-THHN conductors (*white and black*) shall be installed from each luminaire routed through the traffic signal controller cabinet to the 30 amp breaker on the metered service pedestal and one #12-THHN insulated ground wire (*green*) between the luminaire housing ground terminal and the metered service pedestal grounding bar.

2. Three feet of slack shall be provided at the base of each signal pole with a breakable in-line fuse for each luminaire.

END OF SUPPLEMENT

Approved by:



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Date