
Special Specification 6387

Pedestrian Illumination



1. DESCRIPTION

Furnish and install pedestrian illumination assemblies.

2. MATERIALS

Provide new materials that comply with the details shown on the plans, the requirements of this item, and the pertinent requirements of the following items:

- Item 441, "Steel Structures,"
- Item 442, "Metal for Structures,"
- Item 446, "Cleaning and Painting Steel,"
- Item 449, "Anchor Bolts," and
- Item 616, "Performance Testing of Lighting Systems."

Provide six sets of submittals showing the pole and fixtures, to the Engineer for approval at the project address. Obtain the Engineer's approval on the submittals before purchasing materials and beginning work. Furnish two copies of the completed material identification form to the Engineer before beginning fabrication.

Furnish light poles, mast arms, light fixtures, and bases in accordance with the drawings as shown on the plans.

Provide shop drawings of the complete assembly in accordance with the plans.

Ensure materials are UL-listed; meet NEMA, NEC, and AASHTO requirements; and are in accordance with the Electrical Detail standard sheet.

3. CONSTRUCTION

Perform work in accordance with the details shown on the plans and the requirements of this item.

Use established industry and utility safety practices when installing poles and luminaires located overhead. Consult with the Engineer before beginning work.

Prevent scarring or marring of the luminaires and poles. Replace damaged components. Repair damaged painted areas in accordance with Item 446, "Cleaning and Painting Steel."

Fabricate and install pedestrian illumination standard components in accordance with the details, dimensions, and requirements shown on the plans. Test installed pedestrian illumination standards in accordance with Item 616, "Performance Testing of Lighting Systems."

4. MEASUREMENT

This Item will be measured as each pedestrian illumination assembly installed and successfully tested.

5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Pole Mounted Pedestrian Illumination Assembly" of the type specified. This price is full compensation for furnishing, installing, and testing luminaires; poles, arms, drivers, anchor bolts, anchor plates, internal conductors and connections; system performance testing; and for furnishing equipment, labor, tools, and incidentals.

Drilled Shafts will be paid for under Item 416, "Drilled Shaft Foundations." New conduit will be paid for under Item 618, "Conduit." New conductors, except the conductors internal to the pole, will be paid for under Item 620, "Electrical Conductors."