Special Specification 6370
Decorative Lighting Assembly

1. DESCRIPTION

1.1. This Item will govern for furnishing, fabricating, and installing the decorative illumination assembly as shown on the plans. The contractor will be responsible for erection and electrical connection of the decorative lighting assemblies.

1.2. The term “Decorative Lighting Assembly” as used herein will constitute the complete assemblage of poles, parts, fixtures, equipment and miscellaneous components as shown on the plans and in accordance with these specifications forming a complete and independent lighting unit.

2. MATERIALS

2.1. Install new materials which comply with the details shown on the drawings, the requirements of this item, and the pertinent requirements of the following items:

- Item 449, “Anchor Bolts”
- Item 616, “Performance Testing of Lighting Systems,”
- Item 618, “Conduit,” and
- Item 620, “Electrical Conductors.”

2.2. Before foundations are framed for decorative lighting pole, refer to the anchor bolt circle information and the required anchor bolts shown in the plans.

3. CONSTRUCTION

Perform work in accordance with the details shown on the plans and the requirements of this Item. (This requirement is for RIPS produced by fabricators qualified per DMS-7380.)

Use established industry and utility safety practices when installing, or removing poles or luminaires located near overhead or underground utilities. Consult with the appropriate utility company before beginning work.

Prevent scarring or marring of the poles, luminaire arms, and luminaires. Replace damaged components. Repair damaged galvanizing in accordance with Section 445.3.5., “Repairs.” Repair damaged painted areas of a roadway illumination assembly in accordance with Item 441, “Steel Structures” or Item 445, “Galvanizing.”

Stake, install, and align each decorative lighting assembly as shown on the plans.

The Engineer may shift an assembly’s location, if necessary, to secure a more desirable location or avoid conflict with utilities.

3.1. Installation. Furnish and install decorative lighting assembly components in accordance with the details, dimensions, and requirements shown on the plans. Do not use screw-in type foundations. Install anchor bolts and coat anchor bolt threads in accordance with Item 449, “Anchor Bolts.” Erect structures after foundation concrete has attained its design strength as required on the plans and Item 421, “Hydraulic Cement Concrete.” Tighten anchor bolts for poles with shoe bases and concrete traffic barrier base poles in...
accordance with Item 449, “Anchor Bolts.” Do not place grout between base plate and foundation. Test installed roadway illumination assemblies in accordance with Item 616, “Performance Testing of Lighting Systems.”

4. **MEASUREMENT**

4.1. This Item will be measured by each unit installed.

5. **PAYMENT**

5.1. The work performed in accordance with this Item and measured as provided under “Measurement,” will be paid for at the unit price bid for “Install Decorative Lighting Assembly.” This price will be full compensation for furnishing and installing luminaires and poles, brackets, anchor bolt assemblies, templates, internal conductors, and connections; conducting system performance testing; and materials, equipment, labor, tools, and incidentals.

5.2. 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.” New ground boxes will be paid for under Item 624, “Ground Boxes.” New electrical services will be paid for under Item 628, “Electrical Services.” Foundations for decorative lighting assemblies will be paid for under Item 416, “Drilled Shaft Foundations.”