**SIGN LIGHTING INSTALLATION**

Roadway Lighting included in contract:
The power for the sign lighting shall be provided from the roadway lighting circuit. The lighting plans shall indicate the sign location and a pull box location for connection to the sign lights. The lighting contractor shall install a pull box and loop 2' of lighting circuit conductors in the pull box for connection by the lighting contractor.

The signing contractor shall furnish and install luminaires, Nema 3R enclosure, 30 amp breaker, conduit, conductors, and other electrical equipment necessary for connection to the lighting circuit.

Roadway Lighting not included in contract:
The signing plans shall include a pull box location for connection to the sign lights. The sign contractor shall furnish and install luminaires, Nema 3R enclosure, 30 amp breaker, conduit, conductors, and all other electrical equipment necessary for connection to the lighting circuit.

**PLACE OF SIGN LIGHTS**

1. Luminaire shall be mounted so the lamp center is 4' in front of the sign face.
2. Luminaire shall be mounted so the back of the fixture is placed 1' below the bottom edge of the sign face.
3. Luminaires from manufacturers who recommended their fixture be tilted shall be mounted on a bracket which provides this recommended tilt.
4. Photometric data for the induction luminaire proposed for sign lighting shall be submitted for approval to the District Lighting Engineer, Florida Department of Transportation.

**EXTERNAL LIGHTING FOR SIGNS**

Use ¾" Non-Metallic Liquid Tight Flexible Conduit From Junction Box To Tee In The Pipe Support For Luminaire. The Conduit Shall Be Of Sufficient Length To Allow A 90 Degree Rotation Of Pipe Support For Luminaire In Either Direction.

**Luminaire Housing & Ballast Compartment Will Be Provided With Drain Plugs. Drain Plugs Will Be Removed And Screened Against Insects Upon Installation.**

**U.L. Approved Ground Rod ¾" x 20" Copper Core With Approved Ground Connection To Be Placed In Pull Box For Inspection Purposes. Splices To Be Made With Compression Sleeves Then Properly Insulated & Waterproofed.**