1. This Index details a bottom luminaire support structure. For signs requiring top luminaire support structures, the detail can be reversed.

2. Luminaire spacing and arm length is shown on Guide Sign Worksheet.

3. The Guide Sign Worksheet indicates the sign luminaire used for the basis of design. The contractor may propose a different luminaire by submitting photometric calculations for each lighted sign for review by the Engineer.

**SIGN LIGHTING INSTALLATION**

**Roadway Lighting included in contract:**

1. Power for the sign lighting provided from the roadway lighting circuit.

2. Indicate sign location and a pull box location for connection to the sign lighting in the lighting plans.

3. Lighting contractor installs pull box and loop 2' of lighting circuit conductors in the pull box for connection by the signing contractor.

4. Signing contractor furnishes and installs the luminaires, Nema 3R enclosure, 30 amp breaker, conduit, conductors and all other electrical equipment necessary for connection to the lighting circuit.

**Roadway Lighting not included in contract:**

1. Signing plans include the pay item numbers to furnish and install conduit, conductors, ground rods, pull boxes and service point equipment.

2. Signing plans indicate the location of the service point equipment and circuit runs.

3. Signing contractor provides all electrical equipment necessary for connection of the sign lights.

**PLACEMENT OF SIGN LIGHTS**

1. Signing contractor provides all electrical equipment necessary for connection of the sign lights.

2. cardboard or THW

3. U.L. approved ground rod 1/2 x 20 copper clad with approved ground connection to be placed in pull box for inspection purposes. Splices to be made with compression sleeves. Then properly insulated and waterproofed.