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 long enough 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. This Index details a bottom luminaire support structure. For signs requiring top luminaire support structures, the detail can be reversed.
2. Luminaires spacing and arm length is shown on Guide Sign Worksheet.
3. The Guide Sign Worksheet indicates the sign luminaire used for basis of design.

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 long enough 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.

SELECTED DESCRIPTIONS

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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 long enough 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.
NOTES

1. Install hanger pipe to each vertical beam crossed with a 5/8" U-bolt, lock washers and hex nuts. Cap both ends of the horizontal pipe.

2. Materials:
   A. Steel Pipe: ASTM A53 (Grade A or B)
   B. Steel Plate: ASTM A36
   C. Bolts: ASTM A307
   D. Hex Nuts: ASTM A563
   E. Washers: ASTM F436


4. All pipe dimensions are NPS.

5. Chord O.D. ± 2" (Max.)

LUMINAIRE SUPPORT STRUCTURE

1/2" Ø Hole (Typ.)

PLATE 'A'

2½" Pipe Cap

PLATE 'A'

½" U-Bolt With Washers And Double Nuts (2 Bolts Req'd)

½" U-Bolt With Washers And Double Nuts (2 Bolts Req'd)

2½" Top Hanger Pipe (2" Sch. 40 Steel Pipe)

2½" Bottom Hanger Pipe (2" Sch. 40 Steel Pipe)

2½" Sch. 40 Steel Pipe

2½" Sch. 40 Pipe

3" Sch. 40 Pipe

1½" Tee

2½" Sch. 40 Steel Pipe

2½" Sch. 40 Steel Pipe

½" x 2½" Pipe Coupling

½" x 2½" Pipe Sleeve (Typ.)

½" x 2½" Pipe Cap

½" x 2½" Pipe (Typ.)