OVERHEAD SIGN SERVICE DETAIL (UNDERGROUND CONNECTIONS)

Provide min. of 5 ft of each cable for connection by utility

Drill 10 max. hole with a grommet

Ground rod ½" x 8′-0

OVERHEAD SIGN SERVICE DETAIL (AERIAL CONNECTION)

GENERAL NOTES

1. Breaker panel wiring to be used with bridge bracket sign illumination, or when lighting overhead sign is not part of a roadway lighting system.

2. Oxidation inhibitor shall be liberally applied to all surfaces that mate with a dissimilar material.

LEGEND

- Self insulated splicer (Insulating Link)
- Un-fused connector
- Fused connector
- Compression connector
600 V.
BREAKER BOX

Grounding screw
Neutral grounding lug
(See Detail B)
2" conduit
4- 1/C #4 Cu.

120, 240 or 480 volt circuit
breaker in accordance with
service point voltage rating.
circuit breaker to be set for
200% of rated load.

Phase A
Phase B
Neutral
Phaser

#6 Solid bare copper wire
Ground rod 1/2" x 8'-0"

To grounding lug
in breaker box
#4 Cu. conductor
To grounding rod
#6 AWG solid
bare copper

#10 AWG. 600 V. hi temp

NEUTRAL GROUND LUG DETAIL B

BREAKER BOX WIRING DETAIL

LEGEND

Yes
No

INDIANA DEPARTMENT OF TRANSPORTATION
SIGN WIRING DETAILS
SEPTEMBER 2001
STANDARD DRAWING NO.E 802-SNWR-02

GENERAL NOTES
1. Breaker panel wiring to be used with bridge bracket sign illumination, or when lighting overhead sign is not a roadway lighting system.

2. Oxidation inhibitor shall be liberally applied to all surfaces that mate with a dissimilar material.

LUMINAIRE WIRING DETAIL

Alternate connections to balance load.
(For connection to 120 V. or 240 V. phase to neutral)

3- 1/C #10 AWG
cable
3/4" conduit
Luminaires
GENERAL NOTES

1. Oxidation inhibitor shall be liberally applied to all surfaces that mate with a dissimilar material.

ALTERNATIVE GROUNDING POSTS DETAIL A
GENERAL NOTES

1. Oxidation inhibitor shall be liberally applied to all surfaces that mate with a dissimilar material.

2. Grooves A & B to receive 1 #4 Cu. conductor.

3. Groove C to receive 1 #10 conductor.

4. Use of inhibiting compound is mandatory for all connections.

5. Multiple compression fitting shall be covered with snap-on fiber or plastic covers. Taping shall not be permitted.

INSULATING LINK DETAIL

MULTIPLE COMPRESSION FITTING DETAIL