1" weatherhead service entrance

1" dia. conduit

Power cable (drip loop)

1" hub plate

1" close nipple

2" hub plate

2" close nipple

Ground wire in 1/2" dia. conduit

Two hole pipe straps

Signal cables (drip loop)

1/2" dia. conduit

Ground rod

1" weatherhead

2" weatherhead

Power cable (drip loop)

2" dia. conduit

2" close nipple

2" close nipple

Two hole pipe straps

3/4" S.S. banding (typ.)

1" hub plate

1" close nipple

1" conduit

Entrance switch, NEMA 3R enclosure

Signal cables (drip loop)

Two hole steel pipe straps or 3/4" S.S. bands with conduit hangers every 5 ft. (max. spacing)
GENERAL NOTES

1 See Standard Drawing E 805-SGSP-03 for details of bands.

DETAIL A

Steel pole band 1

1" weatherhead
service entrance

Power cable
(drip loop)

1" dia. conduit

3/4" S.S. bands with conduit
hangers every 5 ft (max.
spacing) (See Detail A)

3/4" S.S. bands (typ.)

Meter (if required)

1" hub plate
& close nipple

Entrance switch,
NEMA 3R enclosure

1" hub plate &
1" L.B. conduit

Controller

4" hub plate

2" close nipple

2" L.B. conduit

Handhole

Grounding lug

Ground wire

3-3/4"

Ground line or
top of sidewalk

1' 0"

1' 0" min.

Steel strain pole

3/4" S.S. band

Steel conduit

Conduit hanger

INDIANA DEPARTMENT OF TRANSPORTATION
SIGNAL SERVICE & CONTROLLER
MOUNTED ON STEEL POLE
SEPTEMBER 1998

STANDARD DRAWING NO.E 805-SGC0-02

DETAILS PLACED IN THIS FORMAT 10-15-99

DESIGN STANDARDS ENGINEER

/s/ Firooz Zendi 10-15-99
CHIEF HIGHWAY ENGINEER

ORIGINALLY APPROVED 9-01-98
INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL SERVICE
ON WOOD POLE
SEPTEMBER 1998

STANDARD DRAWING NO.E 805-SGCO-03

DETAILS PLACED IN THE FORM NO. 15-89

/s/ Anthony L. Bremach 9-15-99
DESIGN ENGINEER  DATE

/s/ Firooz Zandi 9-15-99
CHIEF HIGHWAY ENGINEER  DATE

DESIGN STANDARDS ENGINEER

DATE: 9-1-89

35 ft wood pole class V

1" weatherhead
service entrance

1" conduit

Power cable
(drip loop)

Two hole pipe straps
or 3/4" S.S. bands
with conduit hangers
every 5 ft (max. spacing)

Ground wire in
1/4" dia. conduit

1" hub plate
and close nipple

Entrance switch

Hub plate

2" conduit

Two hole steel pipe straps
or 3/4" S.S. bands with
conduit hangers.

Ground rod
1'-0" min.
6' to 12'

4'-0" max
GENERAL NOTES

1. This distance shall be from 10 ft to 15 ft above centerline of pavement for vehicular signals and from 7 ft to 10 ft above top of sidewalk for pedestrian signals.

2. Each pedestrian signal and each vehicular signal requires 2 pole plates and 2 pipe arms.

DETAIL A

Steel strain pole

3/4" S.S. band

Steel conduit

Conduit hanger

Install grounding lug on each metal signal head

1/4" grounding wire

1/2" grounding bushing or one grounding lug on one of the screws on the tri-stud

1/4" ground wire from metal head only

Handhole for steel pole

Ground rod

Grounding lug

Ground wire

Pole plate

Pipe arm

3/4" S.S. bands (typ.)

3/4" S.S. bands with conduit hangers (See Detail A)

2" dia. conduit

2" weatherhead
INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL INDICATION MOUNTED ON STEEL POLE

SEPTEMBER 2010

STANDARD DRAWING NO. E 805-SGCO-04A

/s/ Richard L. Vancleave 09/01/10
DESIGN STANDARDS ENGINEER  DATE

/s/ Mark A. Miller 09/01/10
CHIEF HIGHWAY ENGINEER  DATE

NOTES:
1. This distance shall be from 10'-0" to 15'-0" above centerline of pavement for vehicular signals and from 7'-0" to 10'-0" above top of sidewalk for pedestrian signals.
2. Each pedestrian signal and each vehicular signal requires 2 pole plates and 2 pipe arms.
NOTES:
1. This distance shall be from 10'-0" to 15'-0" above centerline of pavement for vehicular signals and from 7'-0" to 10'-0" above top of sidewalk for pedestrian signals.
2. Each pedestrian signal and each vehicular signal requires 2 pole plates and 2 pipe arms.

DETAIL A

INFORMATION

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL INDICATION MOUNTED ON WOOD POLES

SEPTEMBER 2010

STANDARD DRAWING NO. E 805-SGCO-04B

/\ Richard L. Vandeveer 09/01/10
DESIGN STANDARDS ENGINEER  DATE

/\ Mark A. Miller 09/01/10
CHIEF HIGHWAY ENGINEER  DATE
GENERAL NOTES

1. On metal signal heads, grounding wires shall connect each signal head and the bottom grounding bar of the assembly to the grounding bar.

2. Single conductor (grounding) shall be used from slip ring terminal block to signal indications.


INDIANA DEPARTMENT OF TRANSPORTATION
PEDESTAL MOUNTED SIGNAL INDICATIONS
SEPTEMBER 2007
STANDARD DRAWING NO. E 805-SG00-05

[Diagram of traffic signal assembly with dimensions and notes]
GENERAL NOTES