GENERAL NOTES

1. If feasible, conduit to be installed on coping of bent; if not, install as shown on end of bridge not facing traffic.

ELEVATION

DETAIL A

Concrete Beam

- Drip bead
- Wedge anchor
- Malleable iron pipe strap w/ spacer

Steel Beam

- Galv. bolt with locknut
- Wide flange beam
- Malleable iron pipe straps

3" conduit - Terminates 2 ft below grade without elbow & with grounding bushing

2" conduit - Terminates 2 ft below grade without elbow & with grounding bushing

Ground rod

To underground circuit splice point

Combination coupling

Breaker box

2" watertight flexible conduit draped slightly for expansion

INDIANA DEPARTMENT OF TRANSPORTATION

UNDERPASS LIGHTING DETAILS

MARCH 1995

STANDARD DRAWING NO.E 807-LTUP-01

DETAILS PLACED IN THIS FORMAT 7-27-95

/\ Anthony L. Dresbach 7-27-95
STANDARD DRAWING ENGINEER

/\ pressing Zandi 7-27-95
DETAILS ENGINEER

ORIGINALLY APPROVED 2-8-95
Skew angle where necessary to clear web stiffeners and cross frames

Locate lateral ¼ of luminaire over edge of roadway as noted on plans

Clip L 6 x 4 x ¼ (Typ.) weld to clip angles

Bridge girder

2-0 Min. Clear

Clip L 6 x 4 x ¼ weld to girder web (typ.)

PLAN VIEW

Refer to underpass luminaire pendant hanger detail

L 6 x 4 x ¼

Clip L 6 x 4 x ¼

2” Conduit

Luminaire to be 1” above bottom of girder flange

High-pressure sodium luminaire, pendant mounted with vandal shield

SECTION X-X
Conduit shall enter underpass luminaire from the side, except for pendant mounting.

High pressure sodium wall mounted luminaire with vandal shield.
L 6 x 4 x 1/2

3/4" galvanized unlet T

3/4" conduit

1/2" x 1 1/2" large flat head screw with lock washer & nut, all galvanized (4 req'd.)

3/4" galvanized nipple, lock nut and bushing

2" round galvanized floor flange

2" galvanized close nipple

2" x 1 1/2" galvanized reducer

1/2" galvanized pipe nipple length as required
FOR CONNECTION TO 240 V PHASE TO PHASE

Provisions for padlocking
Entrance from bottom

FOR CONNECTION TO 120 V OR 240 V PHASE TO NEUTRAL

Alternate connections to balance load
Luminaire housing grounding screw
GENERAL NOTES

1. For all luminaire wiring from breaker panel, the last luminaire shall be #10 AWG stranded copper, 600 V.

2. Where sign illumination and underpass illumination are to be installed on the same structure, both sign and underpass luminaires may be connected to the same circuit.
1. Malleable iron pipe straps to be installed immediately before and after the installed expansion fitting, to support expansion fitting and conduit.

2. Spacers shall be provided underneath the pipe strap to allow proper clearance between the bridge structure and the fitting.

3. Grounding jumper shall not be wrapped around flexible conduit, but slightly draped on one side.

**TYPICAL 3/4 IN. AND 2 IN. DIAMETER EXPANSION FITTING WITH GROUNDING JUMPER**

**TYPICAL 3/4 IN. AND 2 IN. DIAMETER FLEXIBLE CONDUIT WITH GROUNDING JUMPER**