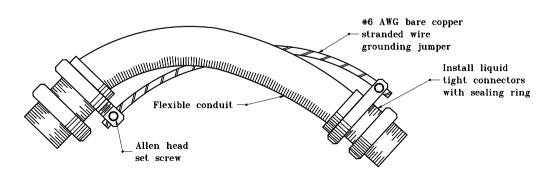
## Bolt or lag bolt Conduit -Expansion fitting Malleable iron pipe straps and spacers Malleable iron clamp with steel U-bolt Concrete anchor to be installed only when needed Tinned copper braided bonding jumper

## TYPICAL 3 IN. AND 2 IN. DIAMETER EXPANSION FITTING WITH GROUNDING JUMPER



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

## GENERAL NOTES

- 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.

INDIANA DEPARTMENT OF TRANSPORTATION

## UNDERPASS LIGHTING DETAILS

MARCH 1995

STANDARD DRAWING NO.E 807-LTUP-07 DETAILS PLACED IN THIS FORMAT 11-15-99

18095

s/Anthony L. Uremovich #1-15-99
DESIGN STANDARDS ENGINEER DATE

/s/ Firooz Zandi

ORIGINALLY APPROVED DESIGN STANDARDS ENGINEER