TYPICAL LOOP DETECTION SAW-CUT PLAN (ONE LANE)

- Loop 1
- Loop 2
- Loop 3
- Loop 4

Detector housing
Handhole

2" dia. conduit to controller

Alternate location for Detector housing

Concrete joint

NOTES

1. Loop saw-cuts as shown on plan sheets are to be considered as schematic only. In the event of discrepancies, this detail shall govern.

2. See Standard Drawing E 805-SGLI-02 for Section B-B.

3. This distance is typical depending on the intersection geometrics; a loop can be sawed in front of the stop line.

TYPICAL LOOP DETECTION (TWO LANES)

- Loop 5
- Loop 6

Detector housing
Handhole

Alternate location for detector housing

Lane line

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL
LOOP INSTALLATION

SEPTEMBER 2012

STANDARD DRAWING NO. E 805-SGLI-01

09/04/12

CHIEF ENGINEER

09/04/12

SUPERVISOR, ROADWAY STANDARDS
Secure seal by working material in between cables.

IC/14 loop cable

2c/16 shielded lead-in cable

1/4" PVC duct

Electrical insulation sealant wrapped with electrical tape

2 Min. 3 Min. 1/2" to 1"

1/4" to 1"

1" Min. 1" Min. 1" Min.

1" Min.

Black lead-in wire

White lead-in wire

Cover with shrink tubing designed for 14 gauge wire.

Bare conductor

Solder bare wires, then coat with RTV silicone sealant if internal silicone sealant on shrink tubing is not used.

SPLICE DETAIL
Loop lead-in
Controller cabinet connection detail

- Strip jacket 2" to 4"
- 3C/16 lead-in from detector housing
- Shield drain wire
- Spade clips to be under same screw head
- To detector amplifier
- Controller cabinet terminal strip
- To earth (ground)
TYPICAL LOOP DETECTION SAW-CUT PLAN (ONE LANE)

NOTES:
1. Loop saw-cuts as shown on the plans are to be considered as schematic only. In the event of discrepancies, this detail shall govern.
2. See Standard Drawing E 805-SGLI-02 for Section B-B.
3. This distance is typical depending on the intersection geometrics; a loop can be sawed in front of the stop line.
4. The loop(s) shall be centered transversely in the travel lane.
5. The saw slot for the line from the detector housing to the circular loop shall be approximately perpendicular to the tangent of the loop at the point of intersection.

TYPICAL LOOP DETECTION (TWO Lanes)

DETAIL A
DETECTOR HOUSING WIRING

INFORMATION DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL
LOOP INSTALLATION
SEPTEMBER 2011
STANDARD DRAWING NO. E 805-SGLI-06

/s/ Richard L. Vancleave 09/01/11
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/11
DESIGN STANDARDS ENGINEER DATE