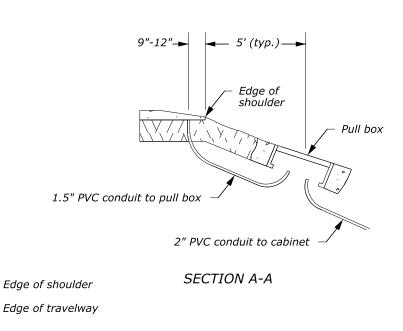
## **NOTES:**

Edge of travelway

Edge of shoulder

- 1. Install square inductive loops, with sides perpendicular and parallel to the centerline.
- 2. For each loop, install the loop wire in one continuous length with no splices.
- 3. Provide dedicated saw cuts for each loop, including separate lead-in channels.
- 4. Provide dedicated polyvinyl chloride (PVC) conduits for each lead-in from the edge of pavement to the nearest pull box.
- 5. Install the 2-inch PVC conduit using directional boring or open trench as directed by the CO.
- 6. Obtain approval from the CO prior to installing inductive loops on lanes less than 10 feet wide.
- 7. If the distance between pull boxes is less than 50 feet, omit the second pull box nearest to the cabinet.
- 8. See Detail E636-03 for inductive loop installation procedures.





Cabinet

## **INDUCTIVE LOOP INSTALLATION PLAN VIEW**

Edge of shoulder

Edge of travelway

Edge of travelway

Traffic flow

Traffic flow

Traffic flow

1.5" PVC conduit for each

2" PVC conduit See Note 5

-2' min. (typ.) See Note 3

Pull boxes

Cabinet

MULTI-LANE DIVIDED ROADWAY

lead-in cable

Pull box

Edge of shoulder

Loop detector (typ.) See Note 1 and Table

LOOP DETECTOR **DIMENSIONS TABLE** 

LANE WIDTH DIMENSIONS

(B)

6

5

5

(C)

3

3

2.5

Traffic flow ←

Traffic flow —

1.5" PVC conduit for

each lead-in cable

Pull boxes

**←** 2' min. (typ.)

See Note 3

LNFT

(A)

12

11

10

В

9"-12"

See Note 7

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL

**INDUCTIVE LOOP** SINGLE LOOP PER LANE

DETAIL APPROVED FOR USE APPROVED: MARCH 2015 REVISED: JANUARY 2019

DETAIL E636-01

Loop detector (typ.)

2' min. (typ.) -See Note 3

Median

Traffic flow ——

Traffic flow —

Traffic flow -

lead-in cable

1.5" PVC conduit for each

See Note 7

9"-12" 🗗

See Note 1 and Table

NO SCALE