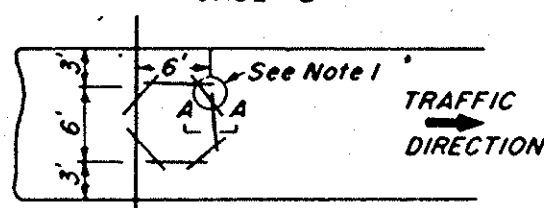
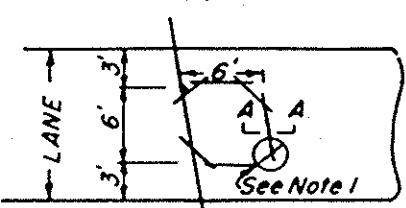
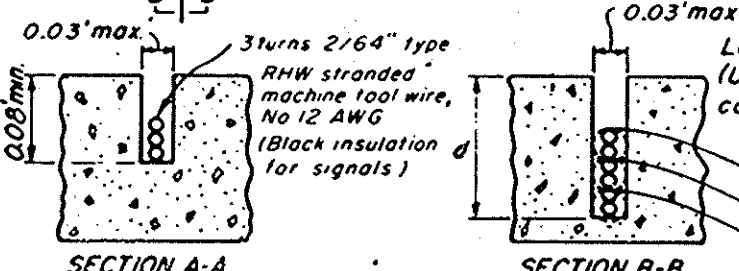


CASE A

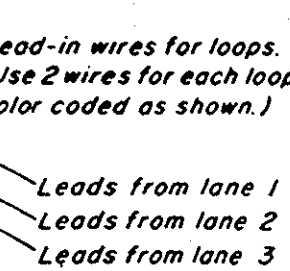
CASE B

TRAFFIC COUNTING
CONDUCTOR
COLOR CODE

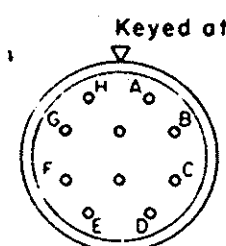
Lane	Color
1	Red
2	Yellow
3	Green
4	Blue
5	White



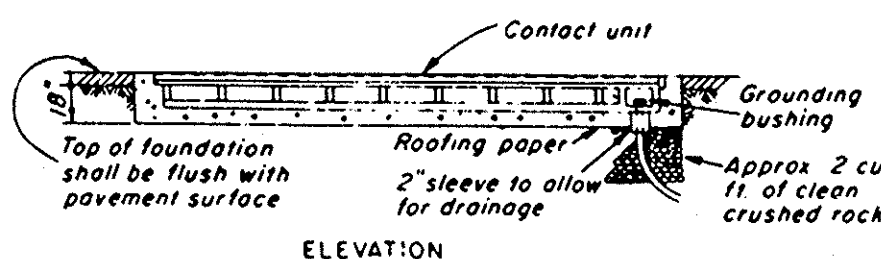
SECTION B-B



lanes	d
2	0.12' min.
3	0.14' min.
4	0.18' min.
5	0.21' min.



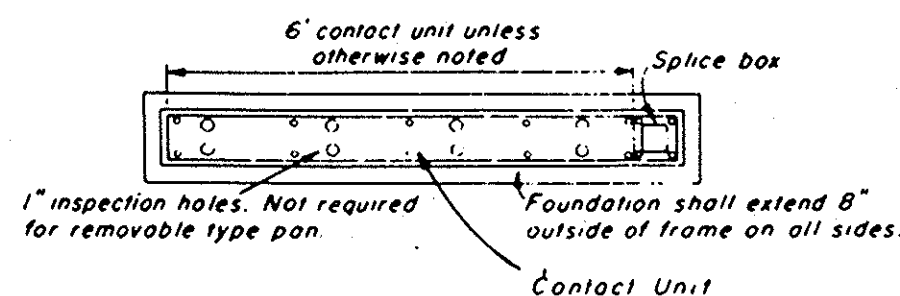
Keyed at this position
Type MS 3102 A-18-IP plug
A-AC
B-Relay common
C-AC
D-Loop
E-No contact
F-No contact
G-No contact
H-Chassis ground

SENSOR UNIT
PLUG CONNECTIONSINDUCTIVE LOOP DETECTOR INSTALLATION
TRAFFIC COUNTING

Installation Notes

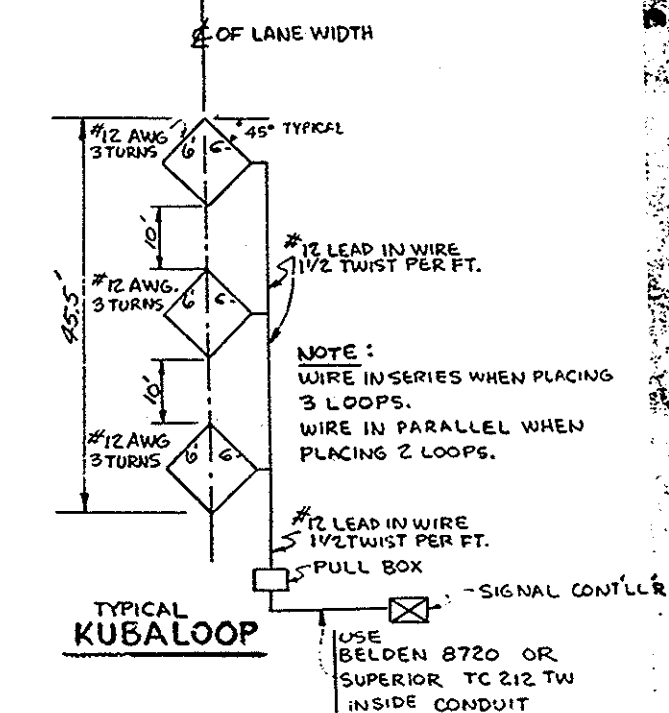
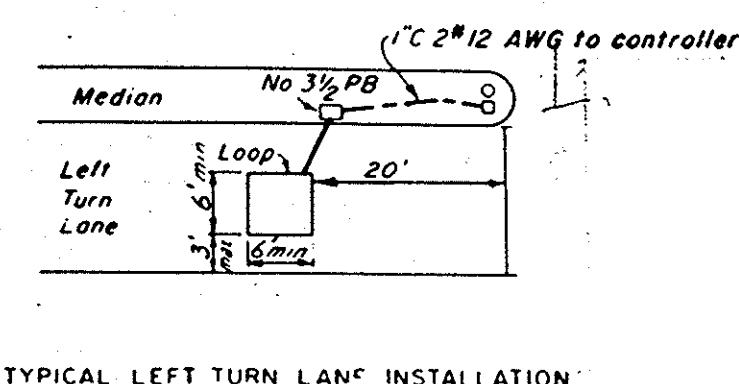
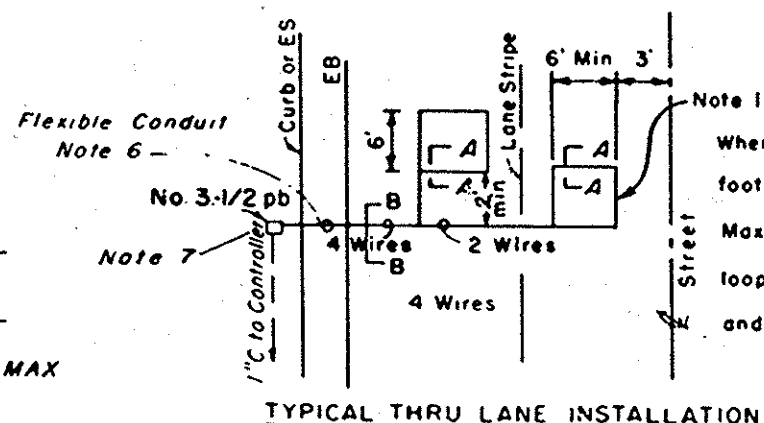
1. Detector position dimensions refer to contact unit.
2. Concrete under removable contact unit mounting pan shall be finished flush with top of pan supporting angles.
3. Detector contact unit surface shall be flush with rim of housing or no more than 1/8" higher, if low, unit shall be raised using one-piece, galvanized, sheet metal shims with dimensions the same as the bottom surface of the contact unit.
4. Screw threads shall be coated with anti-seize compound. All screws shall be tightened securely.

PRESSURE SENSITIVE DETECTOR



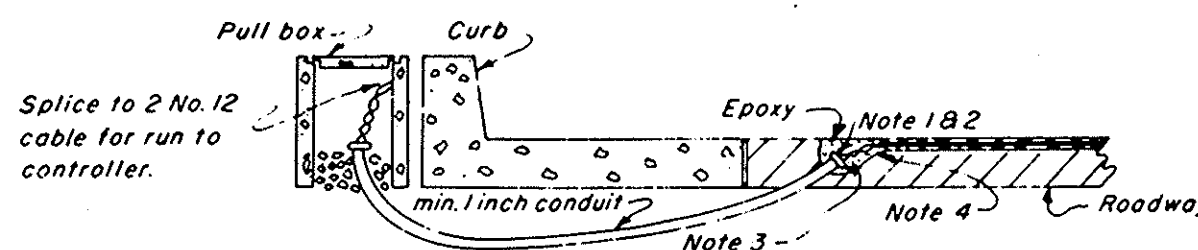
PLAN

VEHICLE DETECTORS



Notes:

1. Saw groove in pavement for loops. Corners may be diagonal as shown in Detail "C".
2. Overlap cuts at all corners so slots are full depth at corners.
3. Push wire in with wood. Do not use screwdriver or other metallic instrument.
4. Pour clean dry white silica sand in slot to cover conductors. Fill slot with flexible epoxy resin conforming to specifications. Repeat pouring clean dry white silica sand to fill slot.
5. Provide a minimum of 5' of slack in each conductor at pull box.
6. Flexible conduit (size as required) to be placed in sawed channel slot or rigid conduit may be placed under curb or shoulder to pull box.
7. Lead-in conductors from each loop to pull box shall be twisted together a minimum of two turns per foot.
8. In pull box, splice conductors from loop to a cable of 2 No. 12 AWG conductors to sensor unit in controller cabinet.
9. Sections A-A and B-B shall be as shown for traffic counting detectors.
10. Pressure type terminals applied to inductive loop detector terminals shall be soldered.

INDUCTIVE LOOP DETECTOR INSTALLATION
TRAFFIC SIGNAL

1. Non-metallic bushing shall be used at roadway end of conduit.
2. Tape wire 3 inches each side of roadway bushing.
3. Install flexible compound on low side of roadway conduit before installing wire.
4. Round all sharp edges where wire has to pass.
5. End of roadway conduit shall be 2 inches below roadway.

TYPICAL DETAIL OF RIGID CONDUIT
BETWEEN ROADWAY AND PULL BOX

AS BUILT

Dr. 11 (9825)

Linda Vista Avenue

24/24