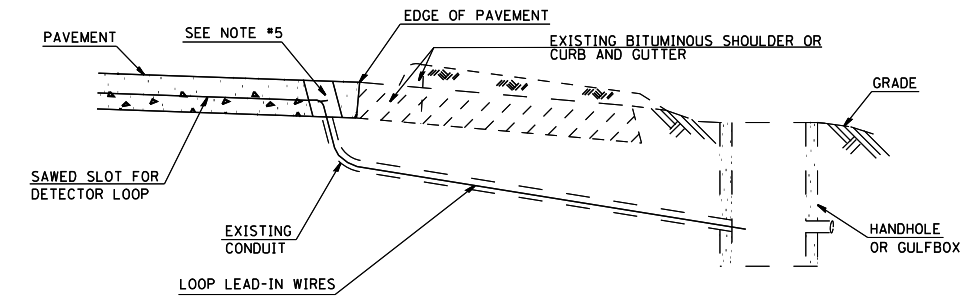


LOOP	PHASE (Φ)	LOOP SIZE	REQUIRED NO. OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. SB CCO A	6	6' x 6'	6	301.96	1.43
2. SB CCO B	6	6' x 6'	6	300.20	1.39
3. SB LT CD	1	6' x 50'Q	3-6-3	844.08	2.91
4. SB THRU CD	6	6' x 50'Q	3-6-3	841.44	2.85
5. SB RT CD	6	6' x 40'Q	3-6-3	688.14	2.48
6. EB THRU CD	4	6' x 50'Q	3-6-3	819.00	2.34
7. EB RT CD	4	6' x 50'Q	3-6-3	810.86	2.16
8. NB THRU CCO	2	6' x 6'	6	305.26	1.51
9. NB LT CD	5	6' x 50'Q	3-6-3	802.28	1.96
10. NB THRU CD	2	6' x 50'Q	3-6-3	796.34	1.83
11. WB THRU CD	8	6' x 15'Q	3-6-3	813.28	2.21

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

* =SEE DETAIL "A"



- DETAIL A**
(NO SCALE)
INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT
1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
 2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
 3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
 4. SPLICE NEW DETECTOR LEAD-LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
 5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
 6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.
- NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

- EX. HANDHOLE
- - - - - EX. DETECTOR LOOP
- ⊠ EX. TRAFFIC SIGNAL CONTROLLER
- — — — — EXISTING CONDUIT
- ▭ PROPOSED DETECTOR LOOP

