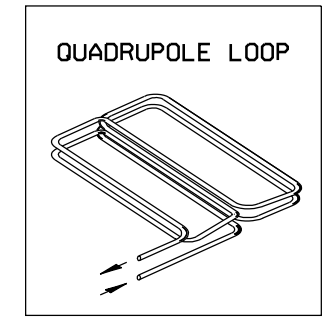
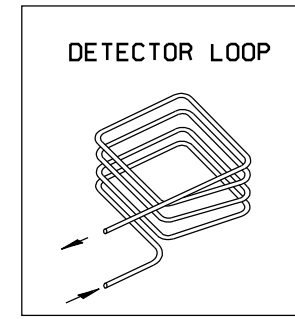


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	18(N-1,TS)	PIKE	54	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOOP DESIGNATION	NUMBER OF TURNS	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER				LOOP DESIGNATION	NUMBER OF TURNS	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER			
		CALCULATED		METERED		CALCULATED		METERED				CALCULATED		METERED		CALCULATED		METERED	
		μ H	Ω	μ H	Ω	μ η	Ω	μ η	Ω			μ η	Ω	μ η	Ω	μ η	Ω	μ η	Ω
ELT	2-4-2	425	1.30			439	3.41												
ERL	2-4-2	406	1.20			420	3.30												
ELB	2	187	0.75			201	2.85												
ERB	2	178	0.66			192	2.77												
WLT	2-4-2	431	1.27			442	2.99												
WRL	2-4-2	412	1.16			424	2.88												
WLB	2	185	0.69			196	2.41												
WRB	2	175	0.61			187	2.32												
NAP	2	175	0.59			193	3.30												
NAB	2	182	0.62			200	3.32												
SAP	2	165	0.56			166	0.80												



INSTALLING THE LOOP WIRE:
 THE NEGATIVE LEAD SHALL BE CONNECTED TO THE BLACK CONDUCTOR OF A PAIR OF CONDUCTORS IN THE LEAD-IN CABLE AND THE POSITIVE LEAD SHALL BE CONNECTED TO THE COLOR-CODED CONDUCTOR OF THE CABLE PAIR.

DETECTOR LOOP WIRE INSTALLATION

DETECTOR NOTES:

1. THE DETECTOR LOOP SHALL BE CENTERED IN THE LANE IN WHICH IT IS SHOWN. ANY ADJUSTMENTS ARE TO BE MADE ONLY AT THE DIRECTION OF THE ENGINEER.
2. THE DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. ACCEPTANCE OF THE LOOPS AS METERED SHALL BE DETERMINED BY THE ENGINEER.
4. ALL DETECTOR WIRES SHALL BE MARKED WITH WATERPROOF LABELS USING THE WIRING IDENTIFICATION SHOWN ON THE PLANS. THE + AND - OF EACH LOOP MUST BE USED TO IDENTIFY CURRENT FLOW. ALWAYS CONNECT THE BLACK WIRE OF EACH PAIR TO THE NEGATIVE (-) LOOP WIRE.
5. ALL QUADRUPOLE LOOPS SHALL BE 2-4-2 DESIGN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL DETECTOR LOOP DETAILS
 FAP 321 (US 54)
 SECTION 18(N-1,TS)
 PIKE COUNTY
 SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY WCD
 DATE: MAY 2, 1996

PLOT DATE = Oct-04-2007 09:06:00PM
 FILE NAME = c:\p\projects\4655104\trf\tsignpln1.dgn
 PLOT SCALE = 41.2665' / IN.
 USER NAME = laughlinr1

DETLOOP