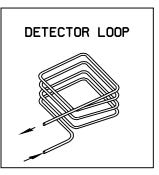
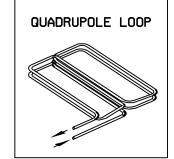
LOOP DESIGNATION	NUMBER OF TURNS	READING & HANDHOLE OR JUNCTION BOX					ADING @			LOOP DESIGNATION	NUMBER OF		READING & HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER		
		CALCULATED μη Ω		METERED Ω		CALCULATED METE μη Ω μη		ERED Ω	LOOP DESIGNATION	TURNS	CALCULATED M			TERED	CALCU	LATED ME Ω μη		TERED Ω	
		141	0.35	μη	34	173	5.05	PP-1	32		1	μυ,	1 11	μη	Ω	μη	- 26	l leil	32
WAE	4	140	0.32			165	4.06												
WLB	2	114	0, 45			128	2.56									H			
WLT	2-4-2	388	1. 17			403	3. 28									H			
WAC	4	142	0.39			157	2. 50 3. 92												
EAF ERF	4	129 127	0.56 0.53			151 150	3. 88				-					H			
ELT	2-4-2	376	1. 21			385	2.62				_					H			
ELB	2	123	0.59			132	2.00									H			
EAC	4	143	0.40			153	1.81				_					H			
NRB	2	183	0.64			202	3.53									H			
NLB	2	192	0.72			211	3.61				+					H			
NLT	2-4-2	407	1. 22			427	4. 11									Ħ			
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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:

SCALE:

- 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 QUADRAPOLE LOOPS SHALL BE 2-4-2 DESIGN.

DEPARTMENT OF TRANSPORTATION

SECTION TRAFFIC SIGNAL DETECTOR LOOP DETAILS 7(W-1,RS-8,N); 9RS-4 SHEET NO. 4 OF 4 SHEETS STA.

ILLINOIS FED. AID PROJECT # FAP 317 (IIS 24) & 550 (TI 99)

COUNTY

BROWN 177 111

CONTRACT NO. 72B60