LOOP DESIGNATION	NUMBER OF Turns	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER				LOOP DESIGNATION	NUMBER	READING & HANDHOLE OR JUNCTION BOX			READING @ CONTROLLER			
		$ \begin{array}{c cccc} \hline \text{CALCULATED} & \text{METERED} \\ \hline \mu \eta & \Omega & \mu \eta & \Omega \\ \hline \end{array} $			ERED	CALCULATED METERED μη Ω μη Ω			RED Ω	- LOUP DESIGNATION	OF Turns	CALCULATED METERED μη Ω μη Ω			CALCULATED METERED μη Ω μη			ERED S
		μυ· _l	77	ויש	76	<i>P</i> -1	77	<i>P</i> -1	20			1011 32	μ.,	36	1 1 1 1	- M	Pij	_
AIRGROUNDS & IL 127		470	0.00			170									\mathbf{H}			₩
SAF SAE	4	138 138	0.29 0.29			178	6.14 4.43				-				+			+-
SLB	2	185	0.69			166 204	3.51								++			+
SLT	2-4-2	417	1.23			436	4.05								+	\vdash		+-
NAF	4	138	0.29			148	1.66				+				11			+
NAE	4	138	0.29			147	1.53								tt			+
NLB	2	185	0.69			185	0.69								tt —			T
NLT	2-4-2	413	1,23			413	1.23											
WAP	2	192	0.72			192	0.72											
EAP	2	197	0.72			197	0.72											
																<u> </u>		_
															Н			_
															-			+
						1									+			+
						1									++	+		+
															+			+-
						1					1				H .			T
						1									Ħ			1
															IL			
															11			
						1									4	<u></u>		1
						1									+			+
		1				1		-	\vdash		_				Η		-	+
						+					-				+	+		+
		1				+					+	 			Ħ			+
						1									H -			+
															1			+
															Ħ			
															11			ᆚ_
															Н			ــــــ
															1			₩
											_							+
															+			+
											+				+			+-
															<u> </u>			+-
																		↓
																		↓
															-			┼
		-													-			₩
															-			+-
						1									++	+		+-
						1									Ħ			1
						1									Ħ			\top
															Ш			1
															Ш			\perp
						1									11			_
						1					-	 			11	-		+-
		-				1			\vdash						Η		-	+-
		1				+					-	 			+			+-
						1					+	 			+			+-
					1	1									Ħ			†
						1									TI .			
															Ш			
	-														Ш			
															11			\perp
															4			_
						1									11	-		+
		1				 						 			H			+
		1				1					_				Η			+-
						1					-				+	+		+
		1				1			\vdash		+	 			+		1	+
						1					1	 	1		H	\vdash		+
						1			\vdash						Ħ			+
						1						l			tt –			\top
						1									II .			
															\coprod			
															\blacksquare			
		•								1	<u> </u>				1.1			
_E NAME =	Hec	R NAME = :	laughlinel			DESIGNED	-		ı	REVISED -	l l							

REVISED

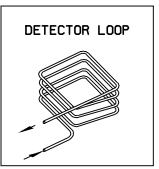
REVISED

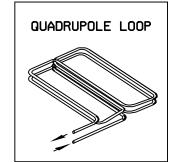
PLOT SCALE = 40.00000 '/ IN.

PLOT DATE = Mar-26-2010 12:00:54PM

CHECKED -

DATE





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.

*-325**,** 42

**- 20RS-7, 21RS-6, 104RS, 105RS-4

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	**-	20113-1, 21113-6, 104113,	100113-4		
TRAFFIC DETECTOR LOOP DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		**	MONTGOMERY	60	59
			CONTRACT	NO. 7	2C52
SHEET NO 4 OF 5 SHEETS STA TO STA		TI L THOTO FED. AT	D DDG IFGT		