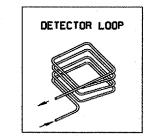
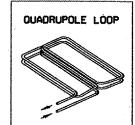
F.A.P. RTE.	SECTION	C	OUNT	SHEETS	SHEET NO.		
666	SP-Z, RS	-4 5	ANGA	MON	80	78	
STA.		TO	STA.				
FED. ROA	D DIST, NO.	ILLINOIS	FED.	AID	PROJECT		





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 QUADRAPOLE LOOPS SHALL BE 2-4-2 DESIGN.
- 6. THE CONTRACTOR SHALL CONTACT DISTRICT 6 OPERATIONS FOR ASSISTANCE IN DETECTOR LOOP LAYOUT AT LEAST 48 HOURS BEFORE INSTALLING DETECTOR LOOPS (Pn. * 217-558-6523)

REVISIO	NS	ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	ILLINOIS DEFARTMENT OF TRANSPORTATION
		TRACEIC CICNAL DETAILS
		TRAFFIC SIGNAL DETAILS
		FAP ROUTE 666 (I-55 BUS/9TH STREET)
		DETECTOR LOOP DETAILS
	+	DETECTOR LOOP DETAILS

SCALE: VERT.

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NIT	NINTH/COOK						I				
NINTH/ENOS NLF	NLT SIT	2-4-2	411	1.32			╬	418	2.27		
NIF 4 144 0.41 177 5.44 NRF 4 141 0.355 175 5.37 NIE 4 141 0.355 166 3.77 NIE 4 141 0.355 166 3.77 NRE 4 141 0.355 164 3.71 SRF 4 139 0.31 170 4.80 SIF 4 142 0.36 161 3.21 SRE 4 142 0.36 161 3.21 SRE 4 139 0.31 158 3.15 SRE 4 139 SRE 4 1	<u> </u>	 	1 703	1,,,,		<u> </u>	t	710	1.50		
NIF 4 141 0.41 177 5.44 NRF 4 141 0.355 175 5.37 NIE 4 141 0.355 166 3.77 NRE 4 141 0.355 166 3.77 NRE 4 141 0.355 164 3.71 SRF 4 139 0.31 170 4.80 SIF 4 142 0.36 161 3.21 SRE 4 142 0.36 161 3.21 SRE 4 139 0.31 158 3.15 EAP 2-4-2 314 0.91 318 1.51 WAP 2-4-2 298 0.86 317 3.61 NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/JEFFERSON SLT 2-4-2 408 1.29 409 1.46							T				
NLE 4 144 0.41 166 3.77 NRE 4 141 0.35 164 3.71 SRF 4 139 0.31 170 4.80 SLF 4 142 0.36 172 4.86 SLE 4 142 0.36 161 3.21 SRE 4 139 0.31 158 3.15 EAP 2-4-2 314 0.91 318 1.51 WAP 2-4-2 298 0.86 317 3.61 NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	NINTH/ENOS	ļ.,		0.41	ļ	<u> </u>	╄	1,7,7	F 44	<u> </u>	
NLE 4 144 0.41 166 3.77 NRE 4 141 0.35 164 3.71 SRF 4 139 0.31 170 4.80 SLF 4 142 0.36 172 4.86 SLE 4 142 0.36 161 3.21 SRE 4 139 0.31 158 3.15 EAP 2-4-2 314 0.91 318 1.51 WAP 2-4-2 298 0.86 317 3.61 NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	NRF	4	141	0.35		 	╁╴	175	5.37		
NRE	NLE	4	144	0.41	 	 	t	166			
NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	NRE	4	141	0.35			I	164	3.71		
NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	SRF	4	139	0.31	ļ	ļ	4	170	4.80	<u> </u>	
NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	SLF SLF	1 - 1	142	0.36	 		╀	161	4.86		
NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	SRE	4	139	0.31	 	 	十	158	3.15	 	<u> </u>
NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	EAP	2-4-2	314	0.91			I	318	1.51		
NINTH/JEFFERSON SLT 2-4-2 406 1.25 407 1.37 NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	WAP	2-4-2	298	0.86	ļ		+	317	3.61		
NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46		 	 	 	 	 	十		 	ļ	
NINTH/MADISON NLT 2-4-2 408 1.29 409 1.46	NINTH/JEFFERS	ON					İ				
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	NINTH/MADISON	1	<u> </u>				t				· ·
	NLT	2-4-2	408	1.29			I	409	1,46		
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READING @ HANDHOLE OR JUNCTION BOX

READING @ CONTROLLER

 $\begin{array}{c|cccc} & \text{CALCULATED} & \text{METERED} \\ \hline & \mu \eta & \Omega & \mu \eta & \Omega \\ \end{array}$

NUMBER

OF

TURNS

DESIGNATION

PLOT PLOT PLOT USER