LOOP	# OF	INDUCT.	OHMS	INDUCT.	OHMS
NAME	TURNS	@ SPLICE	@ SPLICE	@ CONTR.	@ CONTR.
IL 4 & Walnut					
NAF	4	140	0.32	170	4.75
NLB	2	158	0.61	169	2.25
NLT	2-4-2	383	1.15	394	2.79
WLT	2-4-2	331	1.10	345	3.20
WAP	2-4-2	331	1.10	345	3.20
SLT	2-4-2	327	1.00	336	2.27
SLB	2	184	0.81	192	2.07
SAF	4	141	0.36	172	4.84
ELT	2-4-2	286	0.88	288	1.18
ELB	2-4-2	268	0.77	270	1.07
IL 4 & Cottonwood	7	·····			
NAF	4	140	0.32	179	6.20
NLT	2-4-2	390	1.32	405	3.62
WLT	2-4-2	425	1.31	434	2.62
WAP	2-4-2	422	1.24	431	2.54
SLT	2-4-2	473	1.43	473	1.53
SAF	4	140	0.32	164	3.92
EAP	2-4-2	344	1.06	352	2.33

USER NAME = laughlinrl

PLOT SCALE = 40.0001 '/ IN.

PLOT DATE = Jun-28-2010 11:00:46AM

c:\pw_work\PWIDOT\LAUGHLINRL\d0213035\D672A73_sht_ts_08.dgn

DESIGNED

DRAWN

DATE

CHECKED

REVISED

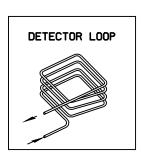
REVISED

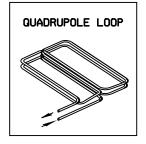
REVISED

REVISED

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION





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:

TRAFFIC SIGNAL DETECTOR

LOOP DETAILS

SCALE: 1" = 20' SHEET NO. 8 OF 10 SHEETS STA.

- 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.

TO STA.

6. THE CONTRACTOR SHALL CONTACT DISTRICT 6 OPERATIONS FOR ASSISTANCE IN DETECTOR LOOP LAYOUT AT LEAST 48 HOURS BEFORE INSTALLING DETECTOR LOOPS (Ph. # 217-782-7314)

> F.A.P. RTE. 662

SECTION

H(RS-10,B-2)

ILLINOIS FED. AID PROJECT

COUNTY TOTAL SHEET NO. SANGAMON 84 42

CONTRACT NO. 72A73