



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR EDWARDSVILLE RD. AND IL-111

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
① NB LT TURN CD	6 x 50	3-6-3	810.00	2.13
② NB THRU LN CD	6 x 50	3-6-3	807.00	2.06
③ NB RT TURN CD	6 x 40	3-6-3	809.00	2.12

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLDT SCALE = #SCALE#	CHECKED -	REVISED -
	PLDT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT- EDWARDSVILLE RD. AND IL-111**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4, 5) RS	MADISON	71	68
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	