



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR THOMAS ST. AND IL-111

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
① NB CCO	6 x 6	5	250.00	2.17
② SB CCO	6 x 6	5	250.00	2.17
③ NB CCO	6 x 6	5	225.00	1.54
④ SB CCO	6 x 6	5	225.00	1.54

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 = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT - THOMAS ST. AND IL -111

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

F.A.P. RTE. 582	SECTION (4, 5) RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 66
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	