



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP	PHASE (Φ)	LOOP SIZE(M)	REQUIRED NO. OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1) WB CCO	2	6' x 6'	6	368.4	2.9

THE ABOVE VALUES ARE CALCULATIONS OF COMBINED LOOP & LEAD-IN INDUCTANCES AND RESISTANCES. ACTUAL MEASURED VALUES SHOULD BE ± 20 % OF THESE VALUES.

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION  
ILL RTE. 13/15 @ APPLE ST.

F.A.P. RTE. 103	SECTION 271-4	COUNTY ST. CLAIR	TOTAL SHEETS 24	SHEET NO. 23
SCALE: _____			SHEET NO. 1 OF 1 SHEETS	
STA. _____ TO STA. _____			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	
CONTRACT NO. 76D97				