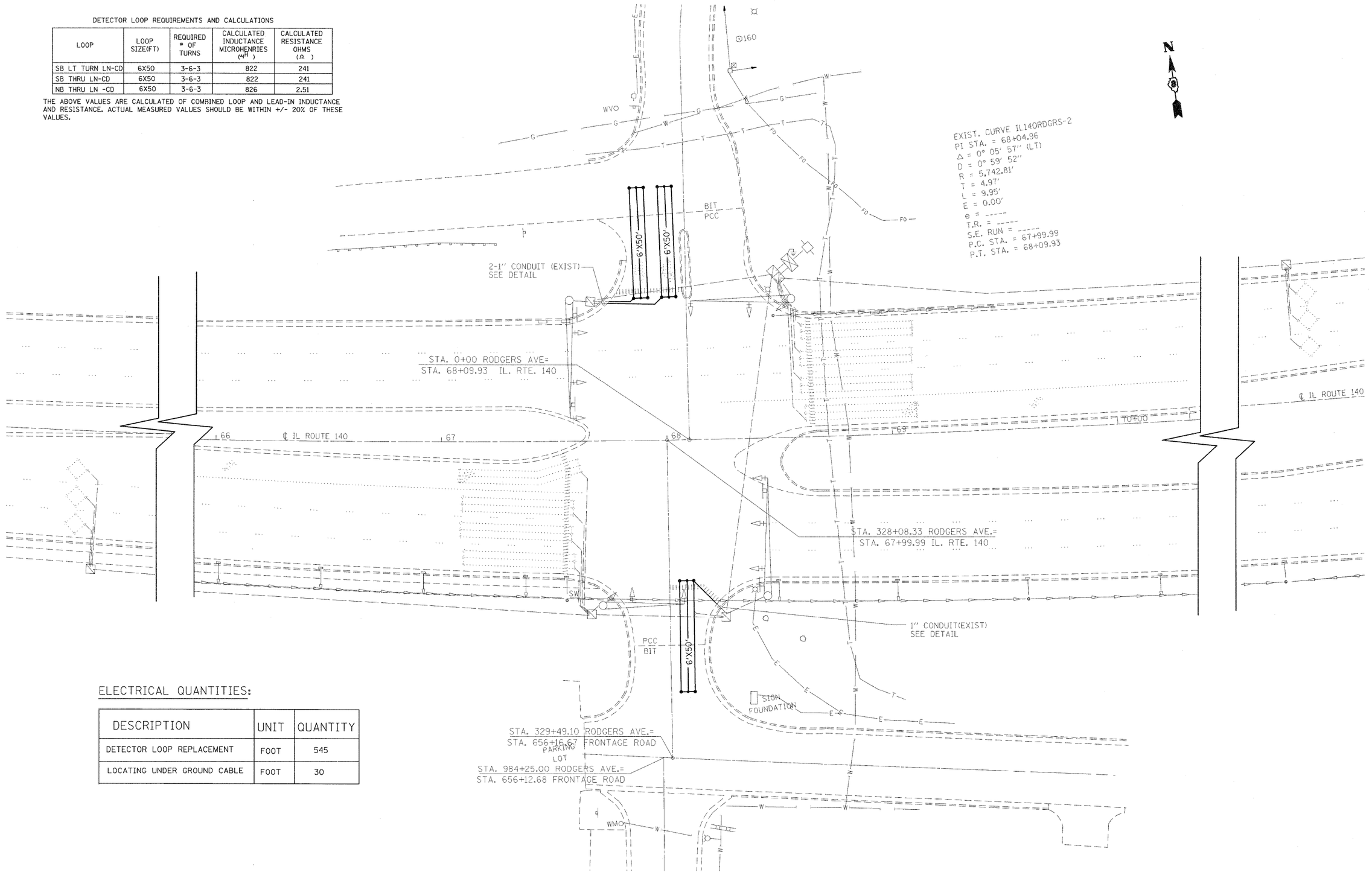
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
SB LT TURN LN-CD	6X50	3-6-3	822	241
SB THRU LN-CD	6X50	3-6-3	822	241
NB THRU LN -CD	6X50	3-6-3	826	2.51

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



ELECTRICAL QUANTITIES:

DESCRIPTION	UNIT	QUANTITY
DETECTOR LOOP REPLACEMENT	FOOT	545
LOCATING UNDER GROUND CABLE	FOOT	30

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ___	REVISED - ___			785	(132-2,3,4, 133-1)RS	MADISON	122	83
	PLOT SCALE = $SCALE$	CHECKED - ___	REVISED - ___						CONTRACT NO. 76B80	
	PLOT DATE = $DATE$	DATE - _____	REVISED - ___		SCALE: _____ SHEET NO. 2 OF 9 SHEETS STA. _____ TO STA. _____	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		