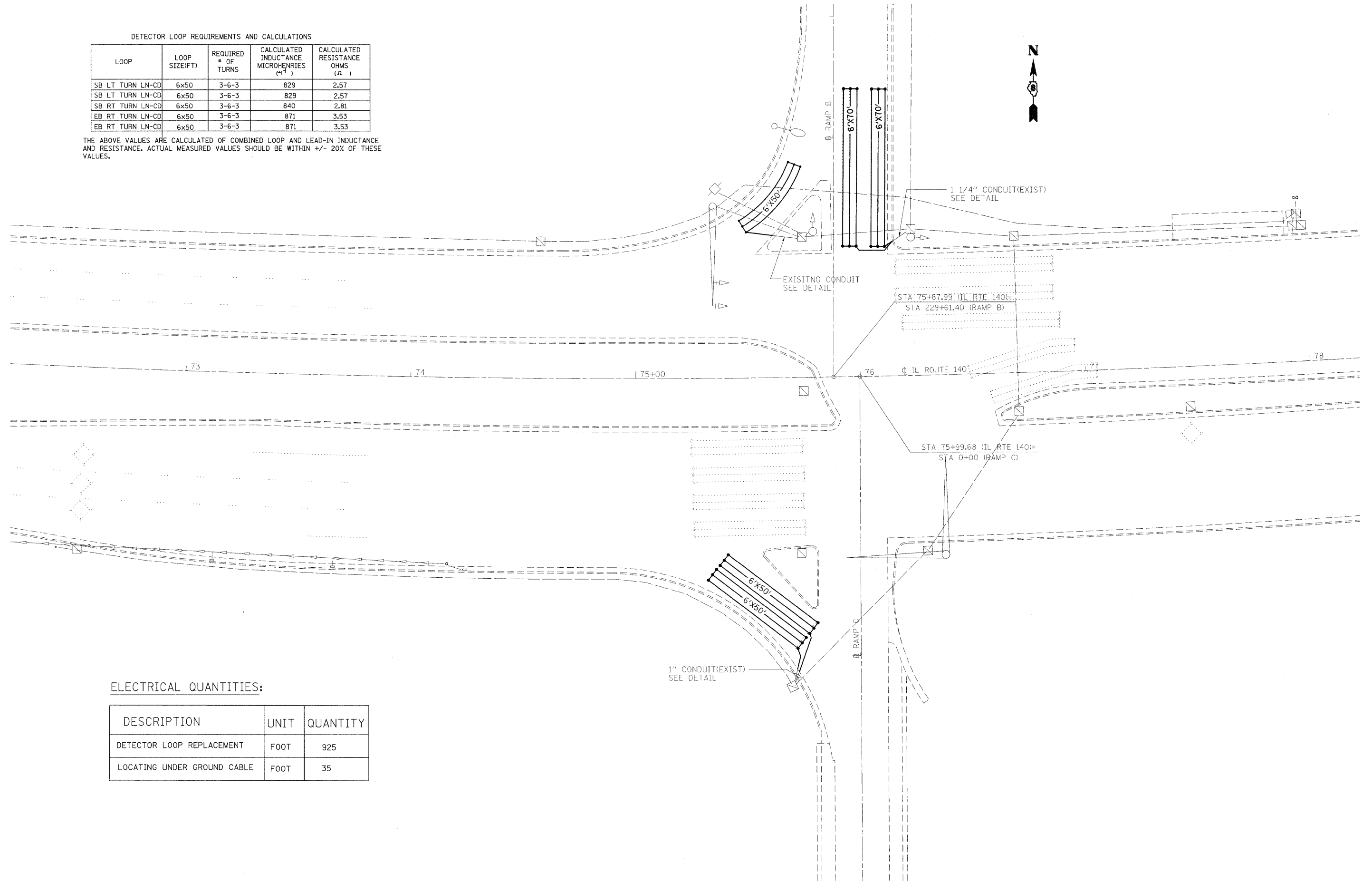


DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
SB LT TURN LN-CD	6x50	3-6-3	829	2.57
SB LT TURN LN-CD	6x50	3-6-3	829	2.57
SB RT TURN LN-CD	6x50	3-6-3	840	2.81
EB RT TURN LN-CD	6x50	3-6-3	871	3.53
EB RT TURN LN-CD	6x50	3-6-3	871	3.53

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	925
LOCATING UNDER GROUND CABLE	FOOT	35

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

SCALE: SHEET NO. 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(132-2,3,4, 133-1RS)	MADISON	122	84
CONTRACT NO. 76B80				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				