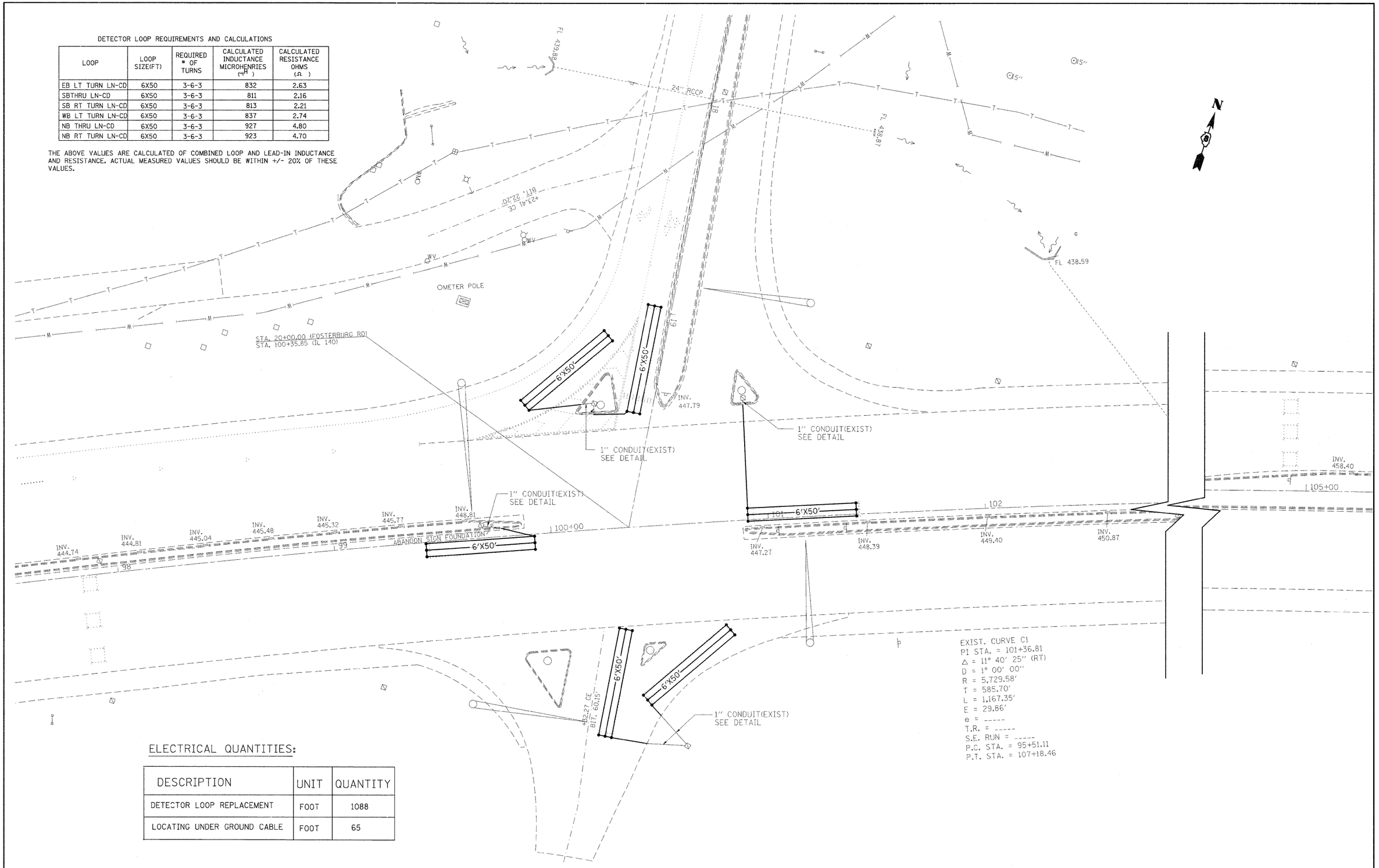
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
EB LT TURN LN-CD	6X50	3-6-3	832	2.63
SBTHRU LN-CD	6X50	3-6-3	811	2.16
SB RT TURN LN-CD	6X50	3-6-3	813	2.21
WB LT TURN LN-CD	6X50	3-6-3	837	2.74
NB THRU LN-CD	6X50	3-6-3	927	4.80
NB RT TURN LN-CD	6X50	3-6-3	923	4.70

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



EXIST. CURVE C1
PI STA. = 101+36.81
Δ = 11° 40' 25" (RT)
D = 1° 00' 00"
R = 5,729.58'
T = 585.70'
L = 1,167.35'
E = 29.86'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 95+51.11
P.T. STA. = 107+18.46

ELECTRICAL QUANTITIES:

DESCRIPTION	UNIT	QUANTITY
DETECTOR LOOP REPLACEMENT	FOOT	1088
LOCATING UNDER GROUND CABLE	FOOT	65

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

SCALE: _____ SHEET NO. 5 OF 9 SHEETS STA. _____ TO STA. _____

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(132-2,3,4, 133-1)RS	MADISON	122	86
		CONTRACT NO. 76B80		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		