



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR ESTHER AVE. AND IL-111

LOOP	LOOP SIZE (FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (R)
① NB CCO	6 X 6	5	234.00	1.78
② SB CCO	6 X 6	5	234.00	1.78
③ NB CCO	6 X 6	6	352.00	2.56
④ SB CCO	6 X 6	6	352.00	2.56

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 =
#FILE#

USER NAME = #USER#
DESIGNED -
DRAWN -
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT- ESTHER AVE. AND IL-111

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
582	(4, 5) RS	MADISON	71 67
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT
CONTRACT NO. 76D47			