F.A RTE.	SECTION	С	OUNT	Y	TOTAL	SHEET NO.				
103	27-1R	S	T. CL	AIR	382	190				
STA.	STA. TO STA.									
FED. ROA	FED. ROAD DIST. NO. ILLIN			AID	PROJECT	•				
	CONTRACT NO. 76300									

## DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 13/15 AND GREENMOUNT RD.

	L00P	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED * OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (4H )	CALCULATED RESISTANCE OHMS (A.)
1. W	VB CCO	6	6' × 6'	6	364	2.8
2. V	WB CCO	6	6' x 6'	6	367	2.9
3. ¥	WB THRU	6	6' x 50'	3-6-3	821	2.4
4. ¥	WB THRU	6	6' × 50'	3-6-3	823	2.4
5. ¥	WB LT	1	6' x 50'	3-6-3	831	2.6
6. N	NB RT	3	6' × 30'	3-6-3	543	2.3
7. N	NB RT	3	6' × 50'	3-6-3	845	3.0

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

