

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	1RS-1	MADISON	26	24
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 AND PIERCE LN / FRONTENAC DR

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_LI_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
WB_LI_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
WB_CCO	=	6' X 6'	6
WB_CCO	=	6' X 6'	6
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 AND W. HOMER M ADAMS PKY

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_CCO	=	6' X 6'	6
EB_LI_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 / IL 111 AND ALBY ST

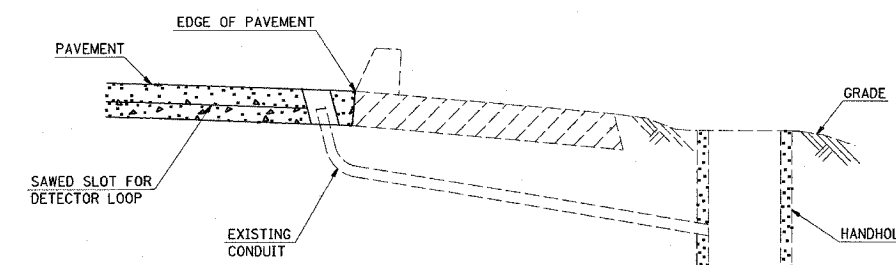
LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_LI_LN	=	6' X 50'	3-6-3
EB_LI_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 / IL 111 AND BLOOMER DR

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
WB_CCO	=	6' X 6'	6
WB_CCO	=	6' X 6'	6
WB_LI_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 / IL 111 AND GERSON AVE.

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_CCO	=	6' X 6'	7
EB_CCO	=	6' X 6'	7
EB_LI_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
WB_LI_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
WB_CCO	=	6' X 6'	6
WB_CCO	=	6' X 6'	6



DETAIL
(NO SCALE)
RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING CABLE TO HANDHOLE.
- 3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
- 4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
- 5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
- 6 LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPERATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION DETECTOR LOOP TABLES AND DETAIL FAP ROUTE 789 SECTION: 1RS-1 MADISON COUNTY
NAME	DATE	
		SCALE: VERT. _____ HORIZ. _____ DATE _____
DRAWN BY _____		CHECKED BY _____

PLOT DATE = 4/16/2007
 FILE NAME = c:\p\projects\view\ed89887\electrical\sp1n89887.dgn
 PLOT SCALE = 500000 / IN.
 REFERENCE = 41874