

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	CX1-6-2HKB	WILLIAMSON	272	75
STA. TO STA.		FED. AID PROJECT		
FED. ROAD DIST. NO. 9		ILLINOIS		

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	←	←	←	←	←	←	←	↓
CONCURRENT MOVEMENT PERMITTED	NOT USED	8	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NONE

STANDARDS

- 805001
- 857001
- 880001
- 886001
- 886006

TRAFFIC SIGNALS LEGEND

- PROPOSED DETECTOR LOOP
- PROPOSED CONTROLLER MOUNTED ON WOOD POLE
- ELECTRIC CABLE, LEAD-IN, NO. 14 1 PAIR
- PROPOSED SPAN WIRE MOUNTED SIGNALS
- PROPOSED SERVICE INSTALLATION

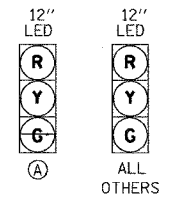
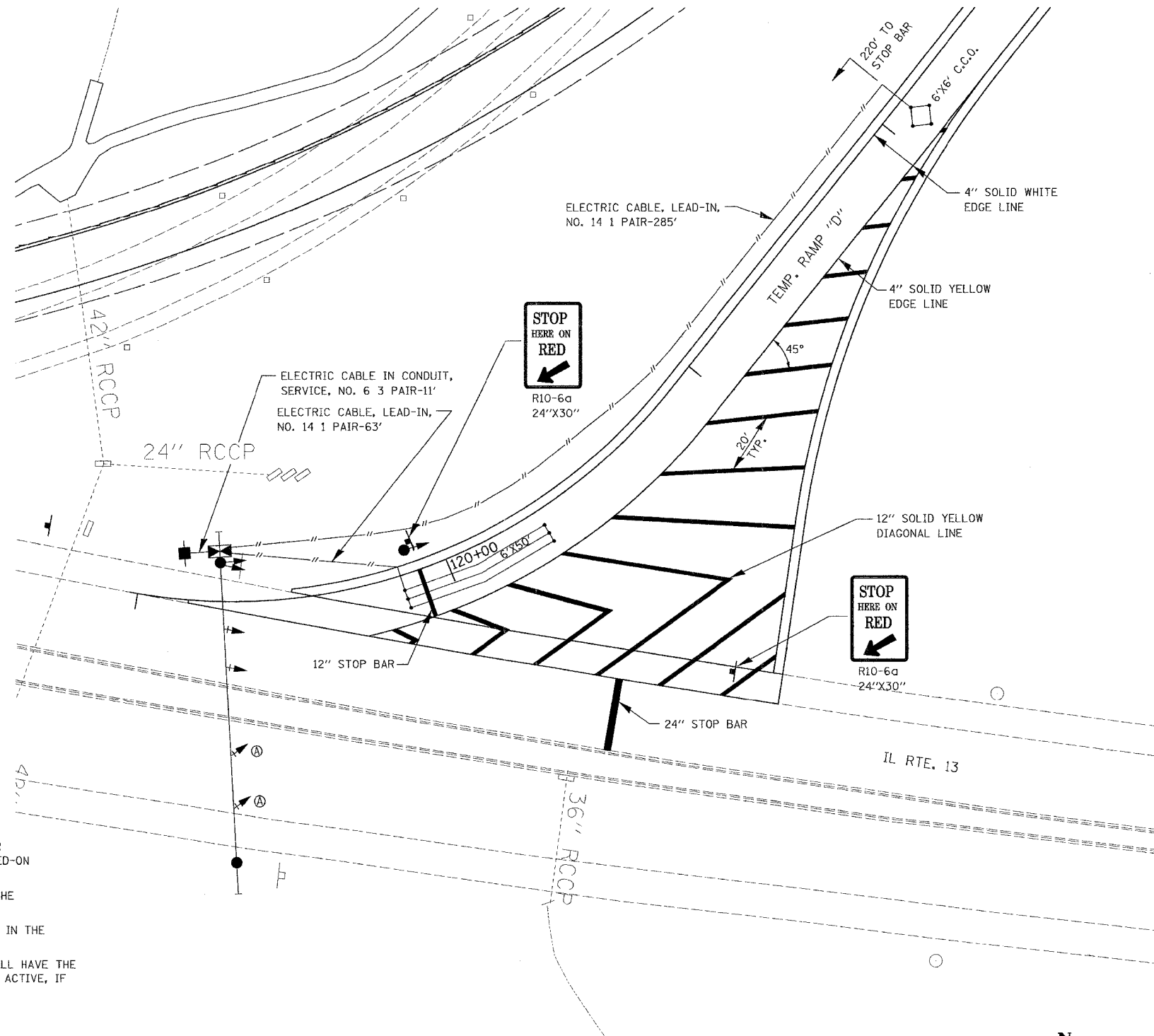
ELECTRICAL GENERAL NOTES

- BACKPLATES SHALL BE ABS PLASTIC.
- ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
- THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
- CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
- ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.

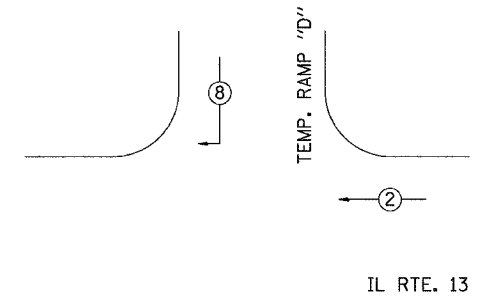
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL ROUTE 13 AND TEMPORARY RAMP

LOOP	PHASE (Ø)	LOOP SIZE (FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
WB THRU CD	8	6'X50' (Ø)	3-6-3	801.6	1.95
WB CCO	8	6'X6'	5	232.8	1.76

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



TEMPORARY TRAFFIC SIGNAL FACES



PHASE DESIGNATION DIAGRAM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TEMPORARY TRAFFIC SIGNAL PLANS TEMPORARY RAMP "D" AND IL RTE. 13 MORGAN AVENUE INTERCHANGE FAI ROUTE 57 WITH FAU ROUTE 9718 WILLIAMSON COUNTY

SCALE: 1" = 20'
 DATE: 3-19-2007
 DRAWN BY: JI
 CHECKED BY: RD

PLOT DATE = 3/19/2007
 FILE NAME = P:\046688\plan\040688.dgn
 PLOT SCALE = 28.0000 / IN.
 USER NAME = dbeenan