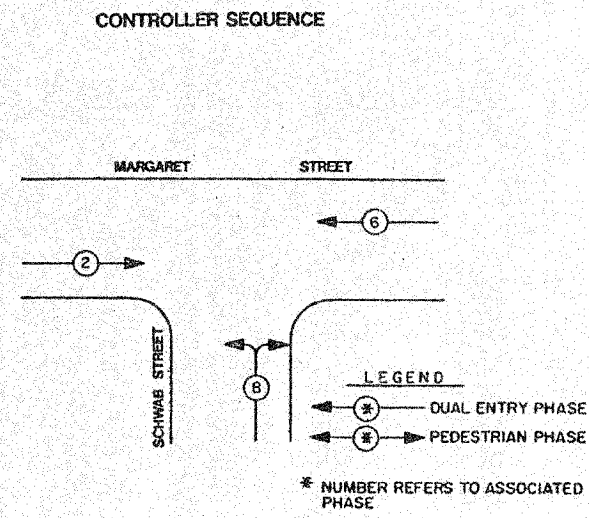


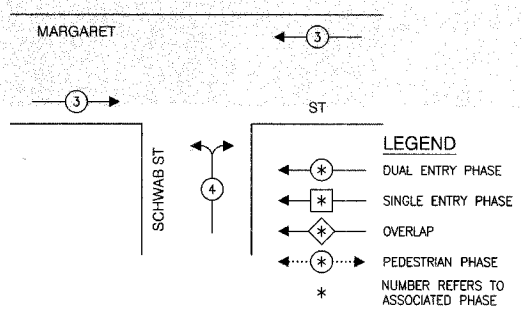
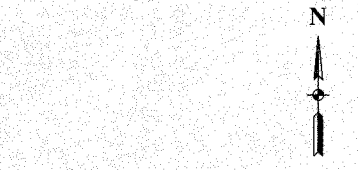
F. A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00146-00-TL	COOK	273	267
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 63003

EXISTING	PROPOSED	
		8" TRAFFIC SIGNAL SECTION
		12" TRAFFIC SIGNAL SECTION
		12" PEDESTRIAN SIGNAL SECTION
		12" PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE CONNECTION
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
		2 DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		SIGNAL FACE WITH BACKPLATE
		"P" INDICATES PROGRAMMED HEAD
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
		ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
		H/C GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
		P GROUND ROD AT POST OR MAST ARM POLE
		S GROUND ROD AT ELECTRIC SERVICE INSTALLATION

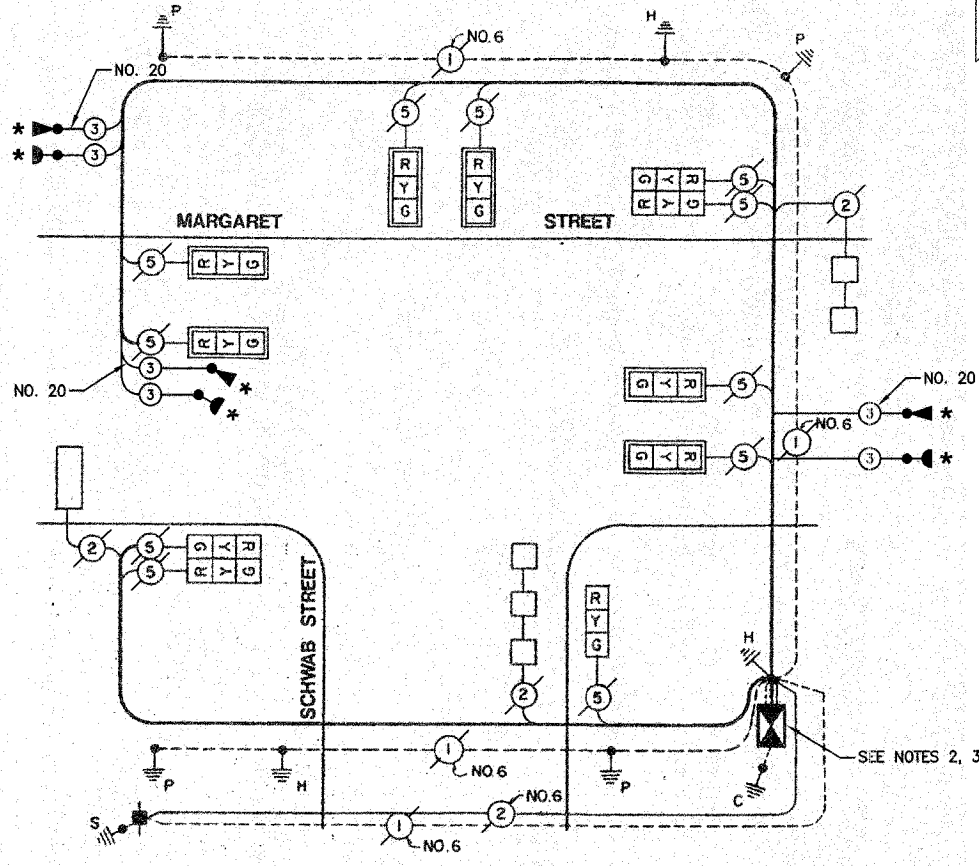


PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	→



CABLE PLAN URBAN 100% STATE Y031-1E

SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	723
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	723

- NOTE**
- THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.
  - PLANS RECEIVED FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION. UPON FIELD VERIFICATION, THE TRAFFIC SIGNAL CONTROLLER CABINET HAS BEEN MOVED TO THE LOCATION INDICATED IN THE SUPPLIED CABLE PLAN.
  - EXISTING CONDUIT ROUTING MAY HAVE CHANGED WHEN THE TRAFFIC SIGNAL CONTROLLER CABINET WAS MOVED. CONDUIT ROUTING AND SIZES TO BE VERIFIED IN FIELD.

\* PLANS MODIFIED BY ROBINSON ENGINEERING, LTD.

REVISIONS	
NAME	DATE
ADDED EV PREEMPTION	01/02/08

VILLAGE OF THORNTON  
LOCATION NO. 127

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION  
CABLE PLAN, PHASE DESIGNATION DIAGRAM &  
SCHEDULE OF QUANTITIES  
MARGARET STREET & SCHWAB STREET

SCALE: VERT.      DRAWN BY  
          HORIZ.      CHECKED BY  
DATE

ROBINSON ENGINEERING, LTD.  
17000 SOUTH PARK AVENUE, SOUTH HOLLAND, ILLINOIS 60473  
708.323.6000 FAX 708.323.6000  
ILLINOIS DESIGN FIRM REGISTRATION NO. 162091128