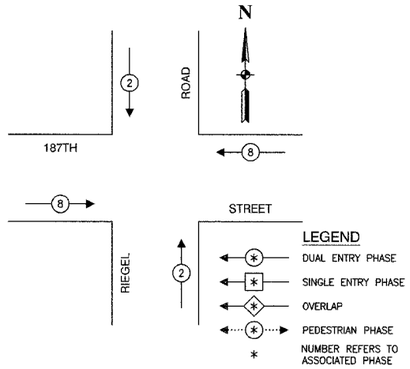
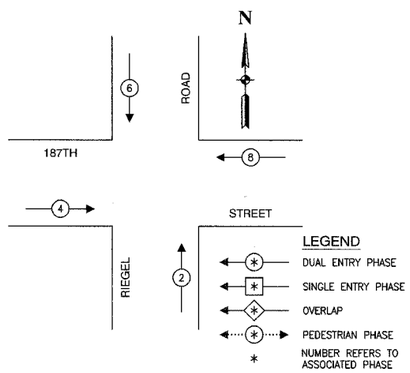
F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	08-00146-00-TL	COOK	273	148
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

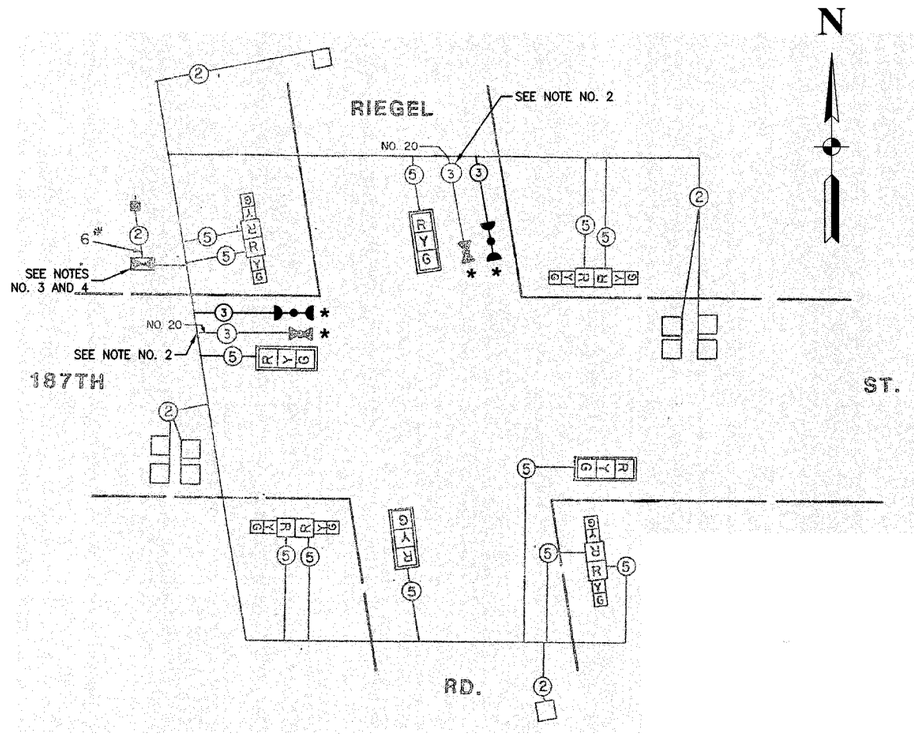
CONTRACT NO. 63003



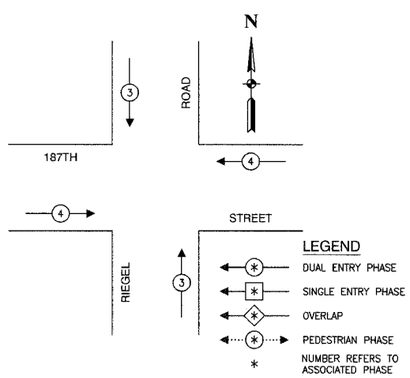
EXISTING
PHASE DESIGNATION DIAGRAM



PROPOSED
PHASE DESIGNATION DIAGRAM



CABLE PLAN



EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	223
INDUCTIVE LOOP DETECTOR	EACH	4
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

NOTES

★ 1. 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.

2. THE EXISTING EMERGENCY VEHICLE LIGHT DETECTOR AND LIGHT DETECTOR AMPLIFIER SHALL BE REMOVED AND REPLACED WITH NEW EQUIPMENT. THE EXISTING EQUIPMENT SHALL BE RETURNED TO THE VILLAGE OF HOMEWOOD.

3. THE EXISTING TRAFFIC SIGNAL CONTROLLER SHALL BE REMOVED AND REPLACED ON EXISTING FOUNDATION. THE EXISTING TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE RETURNED TO IDOT.

4. NEW LIGHT DETECTOR AMPLIFIER SHALL BE INSTALLED IN NEW CONTROLLER CABINET.

CABLE PLAN LEGEND

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

VILLAGE OF HOMEWOOD
LOCATION NO. 64

★ PLANS MODIFIED BY ROBINSON ENGINEERING, LTD

REVISIONS	
NAME	DATE
★ ADDED EV PREEMPTION	01/02/08
ADDED NEW CONTROLLER	
AND CABINET	

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION CABLE PLAN, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES
187TH STREET & RIEGEL ROAD

SCALE: VERT. HORIZ. DRAWN BY
DATE CHECKED BY

ROBINSON ENGINEERING, LTD.
17050 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-6700 FAX (708) 331-3926
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001125

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