F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	08-00146-00-TL	COOK	273	109
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 63003

EXISTING SEQUENCE OF OPERATION

MOVEMENT	5 → 1				5 → 2						← 6, 1						← 6, 2			3		4, 8			7			FLASH
PHASE	1+5				2+5						1+6						2+6			3		4+8			7			
INTERVAL	1	2	3	4	5	6A	6B	7A	7B	8	9	10A	10B	11A	11B	12	13	14A	14B	15	16	17	18A	18B	19	20A	20B	
CHANGE TO		2+5	1+6	2+6 3 4+8 7		1+6 3 4+8 7		1+5		2+6		2+5 3 4+8 7		1+5		2+6		3 7 4+8			1+5 2+5 1+6 2+6 4+8 7		1+5 2+5 1+6 2+6 7			1+5 2+5 1+6 2+6 7		
JOE ORR ROAD E/B END MAST ARM AND FAR LEFT SIGNALS	R ◄G	R ◄G	R ◄Y	R ◄Y	G ◄G	Y	R	Y ◄G	R ◄G	G ◄Y	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
JOE ORR ROAD E/B FAR RIGHT SIGNAL	R	R	R	R	G	Y	R	Y	R	G	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
JOE ORR ROAD W/B END MAST ARM AND FAR LEFT SIGNALS	R ◄G	R ◄Y	R ◄G	R ◄Y	R	R	R	R	R	R	G ◄G	Y	R	Y ◄G	R ◄G	G ◄Y	G	Y	R	R	R	R	R	R	R	R	R	R
JOE ORR ROAD W/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R
RIEGAL ROAD S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄G	R ◄Y	G	Y	R	R	R	R	R
RIEGAL ROAD S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R
RIEGAL ROAD N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄G	R ◄Y	G	Y	R	R	R	R	R
RIEGAL ROAD N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R
BROADWAY AVENUE ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R

NOTE

★ 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. EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE PROPER CLEARANCE TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVALS 3, 4, OR 5 ARE TERMINATED.

3. ALL RED INTERVALS FOLLOW PREEMPTION OF OPOSING PHASES.

PROPOSED EMERGENCY VEHICLE PREEMPTOR SEQUENCE OF OPERATION

NORMAL PHASE	1		5			9			13			15		17			19			PREEMPTOR NO. 3	PREEMPTOR NO. 4	PREEMPTOR NO. 5	CLEARANCE TO NORMAL SEQUENCE
INTERVAL	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	3	4	5	
CHANGE TO	1B	3,4 OR 5	3	1E	4 OR 5	3	1H	4 OR 5	3	1L	4 OR 5	1N	3,4 OR 5	4	1R	3 OR 5	5	1U	3 OR 4				
JOE ORR ROAD E/B END MAST ARM AND FAR LEFT SIGNALS	R ◄Y	R	G ◄Y	Y	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	G	R	R	◇
JOE ORR ROAD E/B FAR RIGHT SIGNAL	R	R	G	Y	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	G	R	R	◇
JOE ORR ROAD W/B END MAST ARM AND FAR LEFT SIGNALS	R ◄Y	R	R	R	R	G ◄Y	Y	R	G	Y	R	R	R	R	R	R	R	R	R	G	R	R	◇
JOE ORR ROAD W/B FAR RIGHT SIGNAL	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	G	R	R	◇
RIEGAL ROAD S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R ◄Y	R	G	Y	R	R	R	R	R	G	R	◇
RIEGAL ROAD S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	G	R	◇
RIEGAL ROAD N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R ◄Y	R	G	Y	R	R	R	R	R	G	R	◇
RIEGAL ROAD N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	G	R	◇
BROADWAY AVENUE ALL SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	◇

CITY OF CHICAGO HEIGHTS
LOCATION NO. 45

★ PLANS MODIFIED BY ROBINSON ENGINEERING, LTD

REVISIONS		
	NAME	DATE
★	ADDED EV PREEMPTION	01/02/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
JOE ORR ROAD & CHICAGO ROAD (RIEGEL ROAD)

SCALE: VERT. HORIZ.

DRAWN BY BEK

CHECKED BY MRS

DATE

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