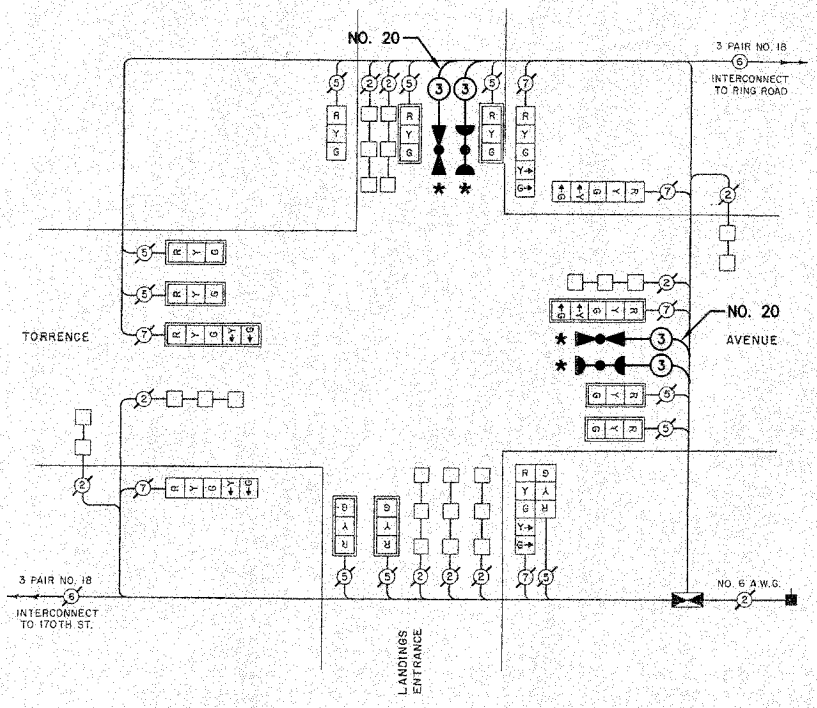
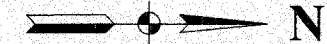


SECTION	COUNTY	TOTAL SHEETS	SHEET NO
08-00146-00-TL	COOK	273	056
STA.	TO STA.		
FED. ROAD DIST. NO.	ALIGN.	FED. RD PROJECT	

CONTRACT NO. 63003



EXISTING	PROPOSED	DESCRIPTION
		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
		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"
		GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
		GROUND ROD AT POST OR MAST ARM POLE
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION

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.

NOTES

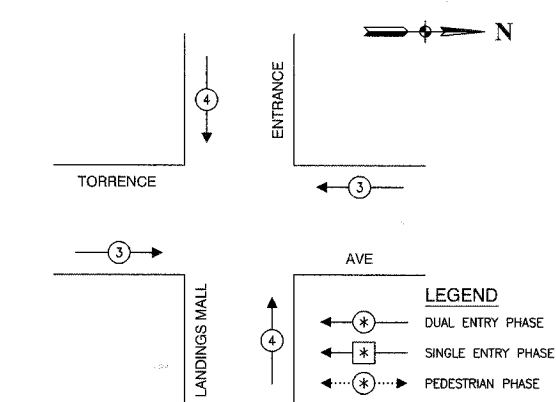
- 1. PHASE 4+B SHALL NOT RETURN TO PHASES 3+7, 3+B OR 4+7
- 2. SINGLE ENTRY TYPE TRAFFIC CONTROLLER SHALL NOT BE USED
- 3. LEFT TURN PHASES TO HAVE NON-LOCKING MEMORY

SEQUENCE OF OPERATION

MOVEMENT	1	2	3	4	5	6	7A	7B	8A	8B	9	10A	10B	11	12A	12B	13A	13B	14	15A	15B	16	17A	17B	18	19A	19B	20A	20B					
PHASE	3+7		3+B		4+7		4+B		2+6		3+7		3+B		4+B		2+6		3+7		3+B		4+B		2+6		3+7		3+B		4+B			
INTERVAL	1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16			
CHANGE TO	3+8		4+7		4+B		2+6		3+7		4+B		2+6		3+7		3+B		4+B		2+6		3+7		4+B		2+6		3+7		3+B		4+B	
LANDINGS ENTRANCE ALL SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
LANDINGS ENTRANCE NEAR RIGHT AND FAR RIGHT SIGNALS	W/B	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
LANDINGS ENTRANCE FAR LEFT AND MAST ARM SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TORRENCE AVENUE MID MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TORRENCE AVENUE FAR LEFT AND END MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TORRENCE AVENUE MID MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
TORRENCE AVENUE FAR LEFT AND END MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	305
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	305



LEGEND
 DUAL ENTRY PHASE
 SINGLE ENTRY PHASE
 PEDESTRIAN PHASE
 NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

CITY OF CALUMET CITY
LOCATION NO. 19

* PLANS MODIFIED BY
ROBINSON ENGINEERING, LTD

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION CABLE PLAN, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES
TORRENCE AVE & BALLY'S ENTR (THE LANDINGS)

SCALE: VERT. _____
HORIZ. _____
DATE _____

DRAWN BY _____
CHECKED BY _____