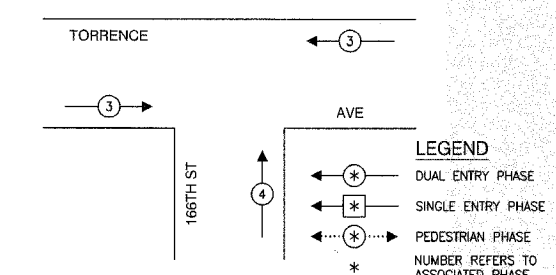
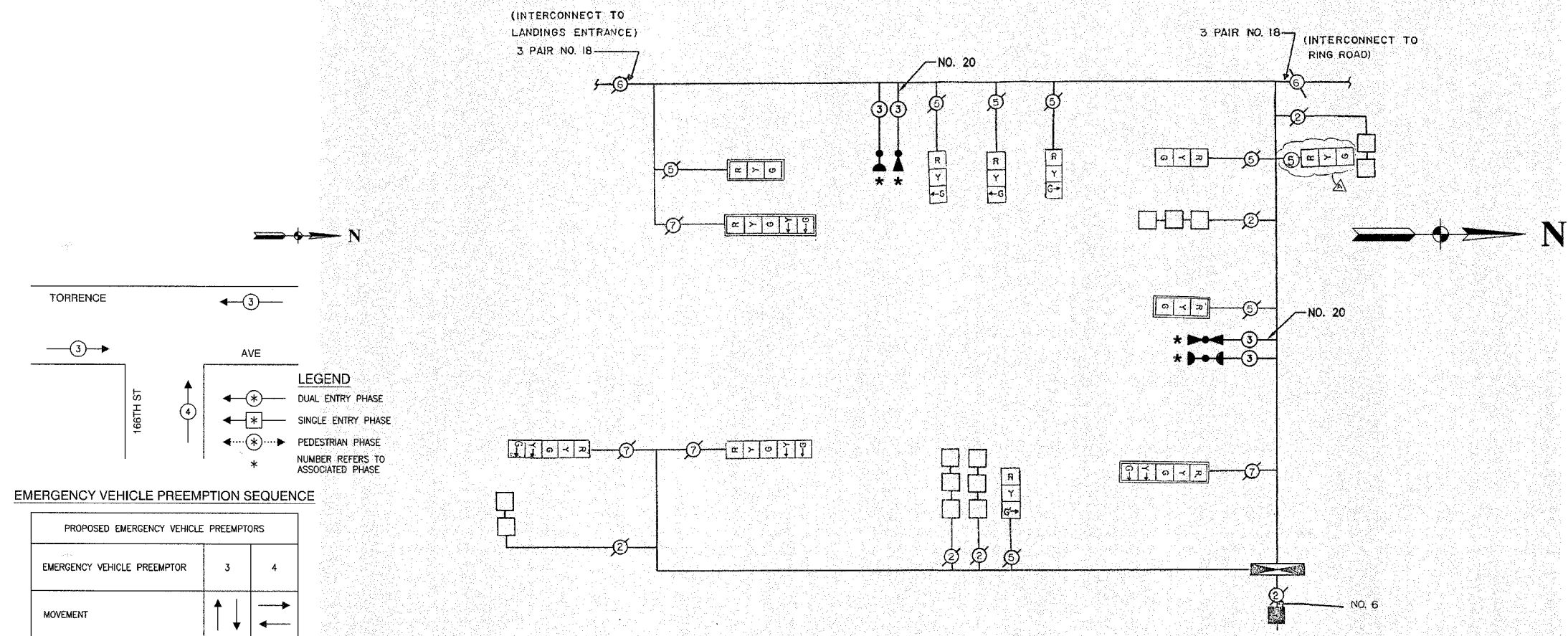


F. A. SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00146-00-TL	COOK	273	054
STA.	TO STA.			
FED. ROAD DIST. NO.	BLANDS	FED. AID PROJECT		

CONTRACT NO. 63003



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

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

PROPOSED SEQUENCE OF OPERATION

MOVEMENT	CONTROLLER SEQUENCE												FLASH
	1+6				2+6				4				
PHASE	N												
INTERVAL	1	2	3A	3B	4	5A	5B	6	7A	7B	8A	8B	
CHANGE TO	2+6		4		4				1+6		2+6		
NORTHBOUND TORRENCE AVENUE NEAR RIGHT, RIGHT MAST ARM	R	R	R	R	G	Y	R	R	R	R	R	R	R
NORTHBOUND TORRENCE AVENUE LEFT MAST ARM, FAR LEFT	R	R	R	R	G	Y	R	R	R	R	R	R	R
SOUTHBOUND TORRENCE AVENUE RIGHT MAST ARM AND NEAR RIGHT	G	G	Y	R	G	Y	R	R	R	R	R	R	R
SOUTHBOUND TORRENCE AVENUE LEFT MAST ARM, FAR LEFT	G	G	Y	R	G	Y	R	R	R	R	R	R	R
WESTBOUND 166TH STREET NEAR RIGHT, FAR RIGHT	G	Y	G	G	R	R	R	G	G	G	Y	R	R
WESTBOUND 166TH STREET FAR LEFT, FAR CENTER	R	R	R	R	R	R	R	G	Y	R	Y	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	263
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	15
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	263

- CABLE PLAN LEGEND**
- |                 |                 |  |
|-----------------|-----------------|--|
| <b>EXISTING</b> | <b>PROPOSED</b> |  |
| (G)             | (G)             | 8" TRAFFIC SIGNAL SECTION                              |
| (R)             | (R)             | 12" TRAFFIC SIGNAL SECTION                             |
| (W)             | (W)             | 12" PEDESTRIAN SIGNAL SECTION                          |
| (P)             | (P)             | 12" PEDESTRIAN SIGNAL SECTION                          |
| (C)             | (C)             | CONTROLLER CABINET                                     |
| (S)             | (S)             | SERVICE INSTALLATION                                   |
| (T)             | (T)             | TELEPHONE CONNECTION                                   |
| (M)             | (M)             | MAGNETIC DETECTOR                                      |
| (E)             | (E)             | EMERGENCY VEHICLE LIGHT DETECTOR                       |
| (B)             | (B)             | CONFIRMATION BEACON                                    |
| (D)             | (D)             | PUSHBUTTON DETECTOR                                    |
| (V)             | (V)             | VEHICLE DETECTOR, INDUCTION LOOP                       |
| (2)             | (2)             | 2 DENOTES NUMBER OF CONDUCTORS.                        |
| (2)             | (2)             | ALL CABLE NO. 14 EXCEPT AS INDICATED.                  |
| (2)             | (2)             | ALL LOOP DETECTOR CABLE TO BE SHIELDED.                |
| (R)             | (R)             | SIGNAL FACE WITH BACKPLATE                             |
| (P)             | (P)             | "P" INDICATES PROGRAMMED HEAD                          |
| (E)             | (E)             | RAILROAD CONTROL CABINET                               |
| (E)             | (E)             | ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"           |
| (E)             | (E)             | ILLUMINATED SIGN, FIBER OPTIC "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            |

**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.

CITY OF CALUMET CITY  
 LOCATION NO. 18

\* PLANS MODIFIED BY  
 ROBINSON ENGINEERING, LTD

**REVISIONS**

NAME	DATE
ADDED BY PREEMPTION	01/02/08
NEW 18' POST	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PROPOSED EMERGENCY VEHICLE PREEMPTION CABLE PLAN, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES**  
 TORRENCE AVE & OLIVE GARDEN (166TH ST)

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_