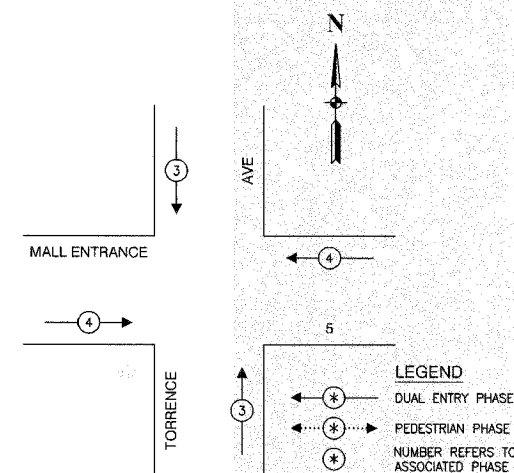


CONTRACT NO. 63003

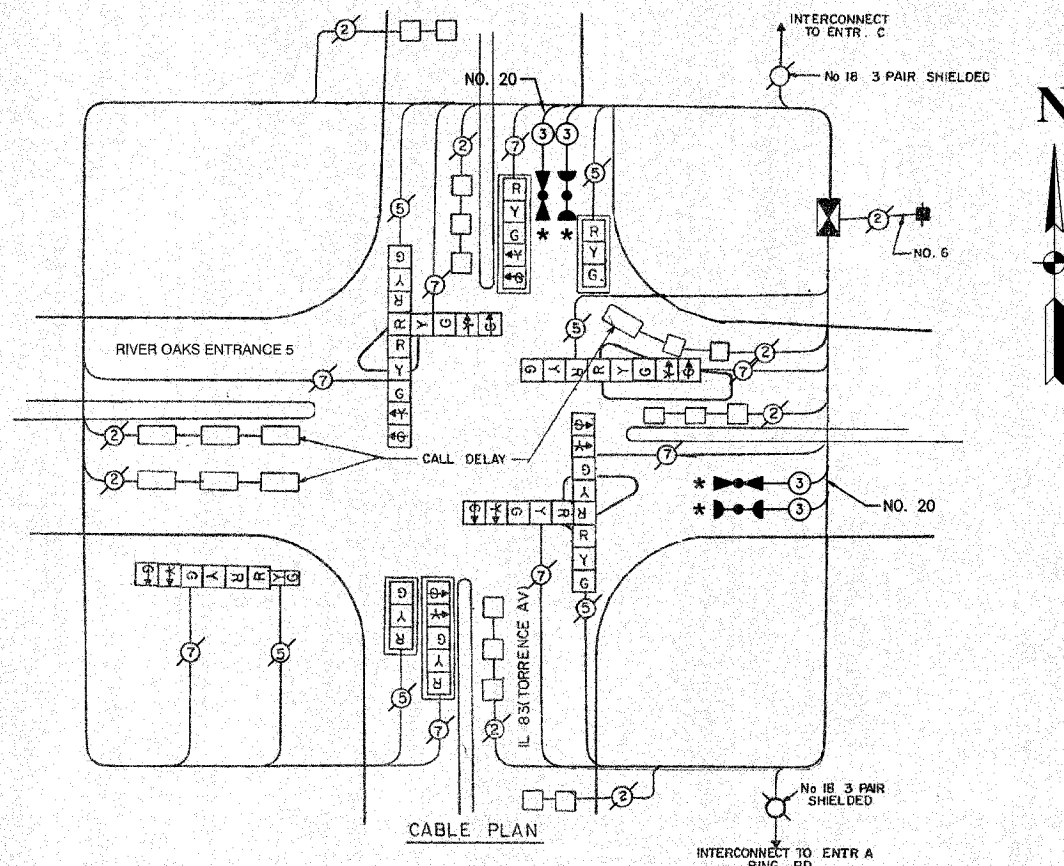
CABLE PLAN LEGEND

- | 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 |
| | | 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 |



EMERGENCY VEHICLE PREEMPTION SEQUENCE

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



NORMAL SEQUENCE OF OPERATIONS

MOVEMENT	1+5		1+6				2+5				2+6		B								F	L	A	S	H								
PHASE	1+5		1+6				2+5				2+6		B																				
INTERVAL	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	21A	21B	22A	22B
CHANGE TO:		1+6	2+5	2+6	8		1+5	2+5	2+6	8		1+5	1+6	2+6	8		B																
IL B3(TORRENCE AV) N/B NEAR AND MID-MOUNT SIGNALS	R	R	R	R	R	G	Y	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R
IL B3(TORRENCE AV) N/B FAR LEFT AND MAST ARM SIGNALS	R	R	R	R	R	G	Y	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R
IL B3(TORRENCE AV) S/B NEAR RIGHT AND MID-MOUNT SIGNALS	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	R	R	R	R	R	R	R
IL B3(TORRENCE AV) S/B FAR LEFT AND MAST ARM SIGNALS	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	R	R	R	R	R	R	R
ENTRANCE B E/B NEAR AND FAR RIGHT 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	R	R	R	R	R	R	R	R	R
ENTRANCE B E/B FAR LEFT SIGNAL	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	R	R
ENTRANCE B W/B NEAR AND FAR RIGHT 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	R	R	R	R	R	R	R	R	R
ENTRANCE B W/B FAR LEFT SIGNAL	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	R	R

Phases 2 and 6 are to be volume density type
 Phase 2+6 cannot clear to 1+5, 1+6, or 2+5
 Single entry type traffic signal controller shall not be used
 Left turn phases to have non-locking memory

SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	193
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	15
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED, SHIELDED	FOOT	193

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.

* PLANS MODIFIED BY ROBINSON ENGINEERING, LTD

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

CITY OF CALUMET CITY
 LOCATION NO. 16

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED EMERGENCY VEHICLE PREEMPTION CABLE PLAN, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES
 TORRENCE AVE & RIVER OAKS MALL ENTRANCE 5

SCALE: VERT. HORIZ.
 DATE: DRAWN BY: CHECKED BY: