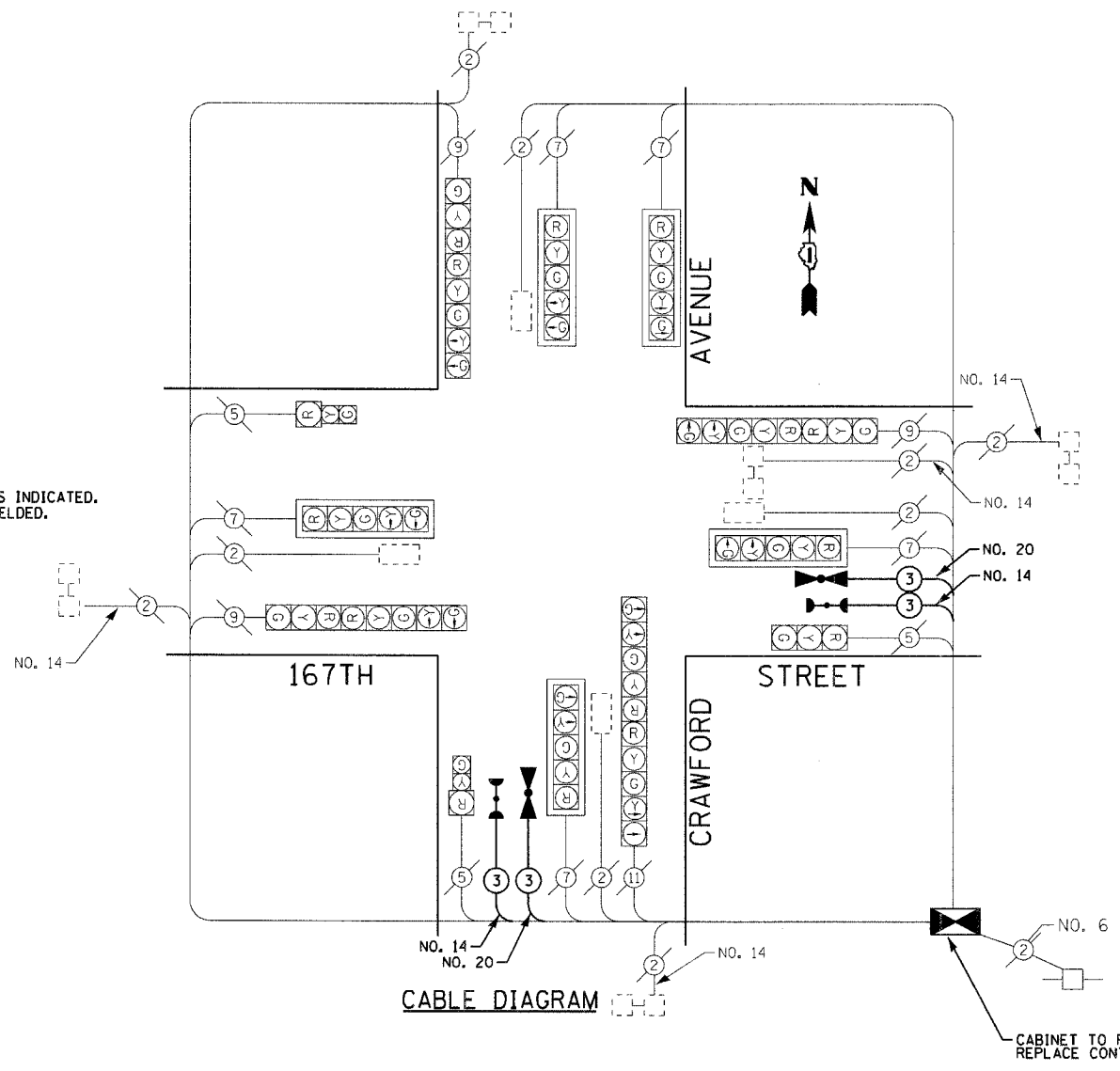


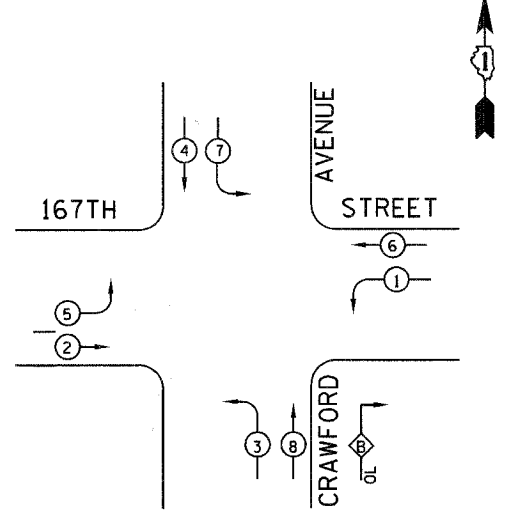
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00146-00-TL	COOK	273	123
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	M-8003 (867)	
CONTRACT NO. 63033				

### CABLE PLAN LEGEND

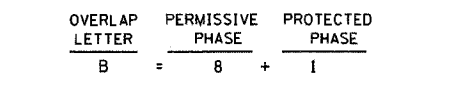
- |  |   |
|--|---|
|  | <b>8" (200mm) TRAFFIC SIGNAL SECTION</b>  |
|  | <b>12" (300mm) TRAFFIC SIGNAL SECTION</b>   |
|  | <b>12" (300mm) PEDESTRIAN SIGNAL SECTION</b>  |
|  | <b>12" (300mm) PEDESTRIAN SIGNAL SECTION</b>  |
|  | <b>CONTROLLER CABINET</b>   |
|  | <b>SERVICE INSTALLATION</b>   |
|  | <b>TELEPHONE CONNECTION</b>   |
|  | <b>VEHICLE DETECTOR, INDUCTION LOOP</b>   |
|  | <b>MAGNETIC DETECTOR</b>  |
|  | <b>EMERGENCY VEHICLE LIGHT DETECTOR</b>   |
|  | <b>CONFIRMATION BEACON</b>  |
|  | <b>PUSHBUTTON DETECTOR</b>  |
|  | <b>DENOTES NUMBER OF CONDUCTORS. ALL EXISTING CABLE NO. 12 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.</b> |
|  | <b>GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)</b>  |
|  | <b>FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 2-MM12F SMI2F</b>   |
|  | <b>SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD</b>   |
|  | <b>RAILROAD CONTROL CABINET</b>   |
|  | <b>ILLUMINATED SIGN, "NO LEFT TURN"</b>   |
|  | <b>ILLUMINATED SIGN, "NO RIGHT TURN"</b>  |
|  | <b>GROUND CABLE 1C NO. 6</b>  |
|  | <b>GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HI), OR CONTROLLER (C)</b>  |
|  | <b>GROUND ROD AT POST (P), OR MAST ARM POLE (MA)</b>  |
|  | <b>GROUND ROD AT ELECTRIC SERVICE INSTALLATION</b>  |
|  | <b>LUMINARE</b>   |



### CONTROLLER SEQUENCE



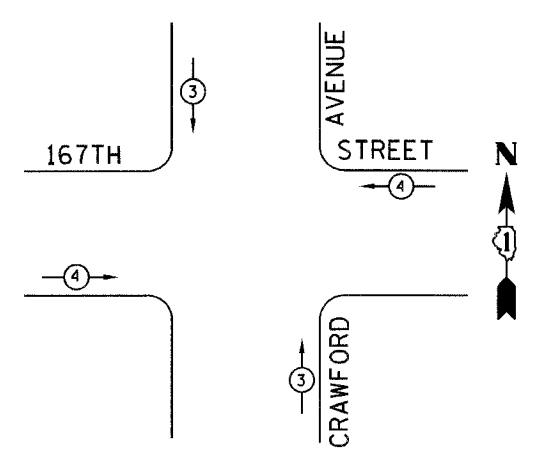
### PHASE DESIGNATION DIAGRAM



### LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

### EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION		
EMERGENCY VEHICLE PREEMPTION	3	4
MOVEMENT	↑	→

### EXISTING TRAFFIC SIGNAL SEQUENCE OF OPERATIONS

MOVEMENT PHASE	Ax/A1				Ay/A2				Ax/Ay				A1/A2		Bx/B1			By/B2				Bx/By			B1/B2		F L A S H					
	Ax/Ay	A1/A2	By/B2	Other	Ax/Ay	A1/A2	Other	Other	Ax/A1	Ay/A2	By/B2	Other	Other	Other	Bx/B1	B1/B2	Other	A1/Ax	Bx/By	B1/B2	Other	Bx/B1	By/B2	Other	Other							
INTERVAL	1	2a	2b	2c	2d	3	4a	4b	4c	5	6a	6b	6c	6d	7	8a	9	10a	10b	10c	11	12a	12b	12c	12d	13	14a	14b	14c	15	16a	
167TH ST. W.B. NEAR AND FAR RIGHT	G	Y	G	Y	Y	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
167TH ST. W.B. MAST ARM AND FAR LEFT	G	Y	G	Y	Y	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
167TH ST. E.B. NEAR AND FAR RIGHT	R	R	R	R	R	G	Y	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
167TH ST. E.B. MAST ARM AND FAR LEFT	R	R	R	R	R	G	Y	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CRAWFORD AVE. S.B. NEAR AND FAR RIGHT	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
CRAWFORD AVE. S.B. MAST ARM AND FAR LEFT	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
CRAWFORD AVE. N.B. NEAR AND FAR RIGHT	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
CRAWFORD AVE. N.B. MAST ARM AND FAR LEFT	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

- ① PHASE A1/A2 SHALL NOT BE ABLE TO CHANGE TO PHASE Ax/A1 NOR Ay/A2
- ② PHASE B1/B2 SHALL NOT BE ABLE TO CHANGE TO PHASE Bx/B1 NOR By/A2

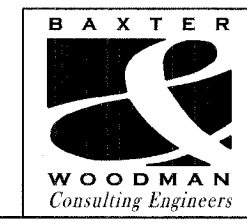
### SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED SHIELDED	FOOT	338
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	338
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1

### CITY OF COUNTRY CLUB HILLS LOCATION NO. 52

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CABLE PLAN,  
 EMERGENCY VEHICLE PREEMPTION  
 SEQUENCE OF OPERATION,  
 PHASE DESIGNATION DIAGRAM &  
 TRAFFIC SIGNAL SEQUENCE OF OPERATIONS  
 167TH ST AND CRAWFORD AVE

SCALE: NONE DRAWN BY: MAC  
 DATE: 01-02-08 CHECKED BY: LDH



REVISIONS	
NAME	DATE

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