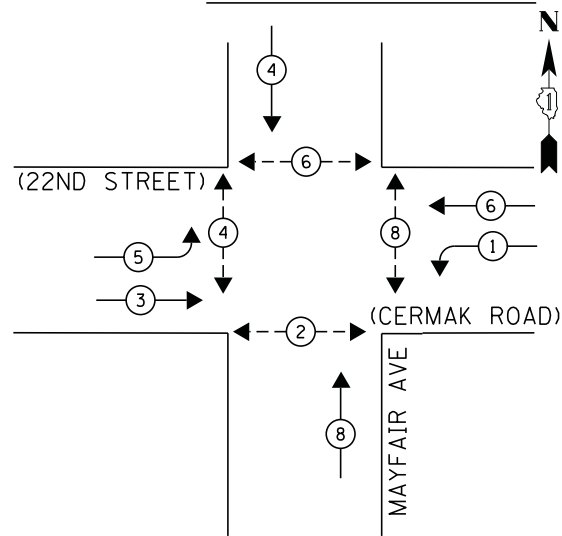


CONTROLLER SEQUENCE

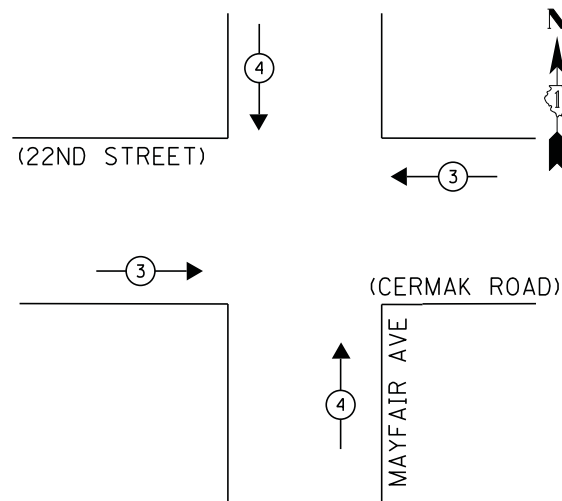


FIRE STATION PRE-EMPTION SEQUENCE		1	5	10	15	18			
FROM NORMAL INTERVAL		1A	1B	1C	1D	1E	1F	1G	1H
PRE-EMPTION INTERVAL		1A	1B	1C	1D	1E	1F	1G	1H
CHANGE TO PRE-EMPTION INTERVAL		2	1C	1D	2	1F	1G	2	1J
CERMAK ROAD RT. MAST ARM SIGNAL	E/B	R	R	R	R	G	Y	M	G
CERMAK ROAD FAR LT. & LT. MAST ARM SIGNAL	E/B	R	R	R	R	G	Y	R	G
CERMAK ROAD NEAR SIDE MAST ARM SIGNALS	W/B	R	G	Y	R	R	R	R	R
CERMAK ROAD FAR RT. MAST ARM SIGNAL	W/B	R	G	Y	R	R	R	R	R
CERMAK ROAD FAR LT. & LT. MAST ARM SIGNALS	W/B	R	G	Y	R	R	R	R	R
MAYFAIR AVENUE N/B & S/B SIGNALS		R	R	R	R	R	R	R	R
PED. SIGNALS X-ING MAYFAIR AVE. SOUTH SIDE OF CERMAK ROAD		DW	DW	DW	DW	FL	DW	DW	DW
PED. SIGNALS X-ING MAYFAIR AVE. NORTH SIDE OF CERMAK ROAD		DW	FL	DW	DW	DW	DW	FL	DW
PED. SIGNALS X-ING CERMAK ROAD WEST SIDE OF MAYFAIR AVE.		DW	DW	DW	DW	DW	DW	DW	DW
PED. SIGNALS X-ING CERMAK ROAD EAST SIDE OF MAYFAIR AVE.		DW	DW	DW	DW	DW	DW	FL	DW

NOTE: THIS SEQUENCE SHALL HAVE PRIORITY OVER ALL OTHER SEQUENCES AND SHALL BE ACTIVATED BY THE PUSHBUTTON INSIDE THE FIRE STATION.

PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



- LEGEND**
- ◀ (circle with dot) DUAL ENTRY PHASE
 - ◀ (square with dot) SINGLE ENTRY PHASE
 - ◀ (diamond with O.L.) O.L. OVERLAP
 - ◀ (circle with dot and arrow) PEDESTRIAN PHASE
 - * NUMBER REFERS TO ASSOCIATED PHASE

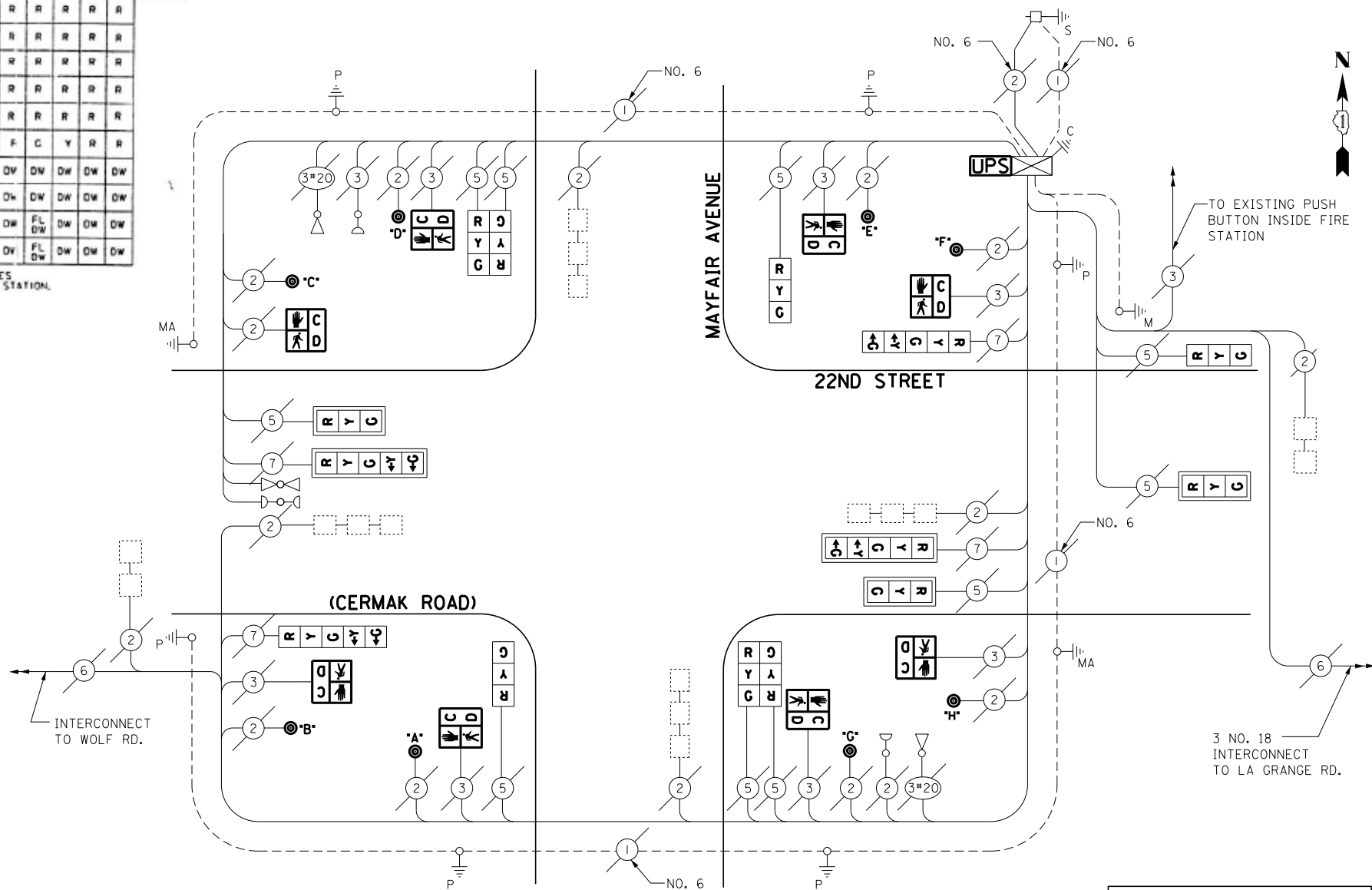
EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕

NOTE:
 PUSH BUTTON "A & G" PLACES A CALL IN PHASE 2
 PUSH BUTTON "B & C" PLACES A CALL IN PHASE 4
 PUSH BUTTON "D & E" PLACES A CALL IN PHASE 6
 PUSH BUTTON "F & H" PLACES A CALL IN PHASE 8

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT
8	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

CABLE PLAN



REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH-BUTTON

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D

ECONOLITE ASC/2S-2100 CONTROLLER ON-SITE

TRAFFIC SIGNAL EQUIPMENT SHALL BE EAGLE TO MATCH THE ADJACENT EXISTING SYSTEM

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	14		17	0.5	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	8		12	0.10	9.6
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	-
VIDEO SYSTEM			-	1.00	-
FLASHER			-	-	-
ENERGY COSTS TO:					TOTAL = 568.6
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096 ENERGY SUPPLY CONTACT: JOE STACHO PHONE: (630) 424-5704 COMPANY: COMMONWEALTH EDISON					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
22nd STREET (CERMAK ROAD) AT MAYFAIR AVENUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2014-032T5	COOK	68	34
CONTRACT NO. 60Y18				
ILLINOIS FED. AID PROJECT				

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

TS# 15115
WESTCHESTER