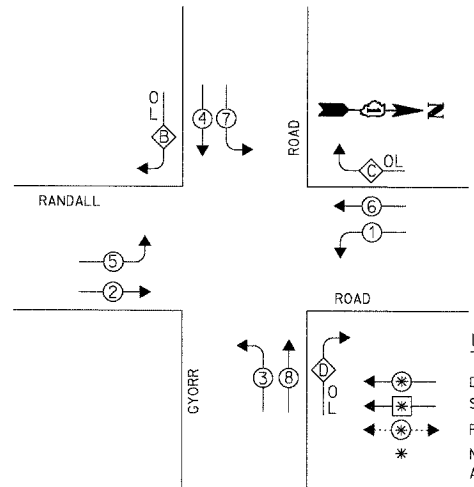


DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____ CHECKED: _____
 PLAN: _____ NOTE BOOK: _____ NO. _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500
 DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____ CHECKED: _____
 PROFILE: _____ NOTE BOOK: _____ NO. _____
 STRUCTURE NOTATIONS: CHPD

TEMPORARY CONTROLLER SEQUENCE

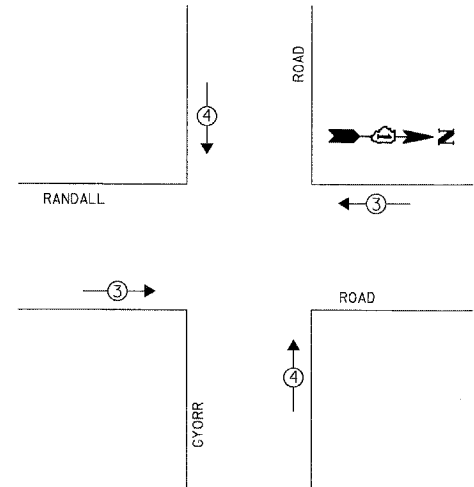


OVERLAP LETTER	PROTECTED PHASE	PERMISSIVE PHASE
B	5	4
C	7	6
D	1	8

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

PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	X % OPERATION		
SIGNAL (RED)	14	17	0.50		119.00	
(YELLOW)	14	25	0.25		87.50	
(GREEN)	14	15	0.25		52.50	
ARROW	24	12	0.10		28.80	
PED. SIGNAL	-	25	1.00		-	
CONTROLLER	1	100	1.00		100.00	
ILLUM. SIGN	-	25	0.05		-	
VIDEO SYSTEM	1	-	150	1.00	150.00	
LUMINAIRE	4	250	0.50		500.00	
FLASHER	-	-	0.50		-	
ENERGY COSTS TO:					TOTAL =	1037.80

KANE COUNTY DIVISION OF TRANSPORTATION
 41W011 BURLINGTON ROAD
 ST. CHARLES, IL 60175
 ENERGY SUPPLY CONTACT: **MIKE WIDHALM**
 PHONE: (847) 608-2376
 COMPANY: **COMED**

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	15 (4.0)	MAST ARM (L) POLE	20'+L-2' (6m+L-0.6m)
E - M. ARM POLE		SIGNAL POST	2 (1.0)		
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TEMPORARY CABLE DIAGRAM LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|--|
| | | TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm) |
| | | TEMPORARY CONTROLLER CABINET |
| | | TEMPORARY SERVICE INSTALLATION |
| | | INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED. |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM24F |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | PEDESTRIAN PUSHBUTTON DETECTOR |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | VEHICLE DETECTION CAMERA |
| | | UNINTERRUPTIBLE POWER SUPPLY |
| | | VENDOR SPECIFIC CABLE |
| | | DOMED CAMERA (PAN/TILT/ZOOM) |

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET, SPECIAL	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ETHERNET KIT	EACH	1
CONFLICT MONITOR	EACH	1

CONSTRUCTION NOTES:

- REPLACE EXISTING CONTROLLER AND CONFLICT MONITOR.
- INSTALL ETHERNET KIT.

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.

1 EACH CONTROLLER AND CONFLICT MONITOR