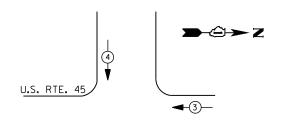
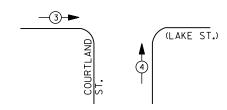


## PHASE DESIGNATION DIAGRAM





### **EMERGENCY VEHICLE PREEMPTION SEQUENCE**

EMERGENCY VE	HICLE PRE	EMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT	<b>←</b>			

I. D. O. T.							
TRAFFIC SIGNAL INSTALLATION							
ELECTRICAL SERVICE REQUIREMENTS							
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL		
		INCAND.	LED		WATTAGE		
SIGNAL (RED)	12	1 35	1 7	0.50	102		
(YELLOW)	12	1 35	25	0.25	75		
( GREEN)	12	1 35	15	0.25	45		
ARROW	16	1 35	12	0.10	19		
PED. SIGNAL	8	90	25	1.00	200		
CONTROLLER	1	100	100	1.00	100		
ILLUM. SIGN		252	25	0.05			
VIDEO SYSTEM		150	ı	1.00			
FLASHER LED							
				TOTAL =	541		

BILLED TO: VILLAGE OF MUNDELEIN ENERGY COSTS-440 E. HAWLEY STREET MUNDELEIN, IL 60060

ENERGY SUPPLY -CONTACT <u>TERRI BLECK</u> PHONE 847-816-5239

COMMONWEALTH EDISON

541

-TRACER CABLE  $|\hat{\mathbf{R}}|$ **≯** • Y G ↔ Y ← G R Y G ←Y R INTERCONNECT TO Y DIVISION STREET **↑** ↑ 6 ≺ ਸ਼ (LAKE ST.) EXISTING INTERSECTION AND SAMPLING (SYSTEM) **↑** ↑ 0 ≺ ¬ DETECTORS EXISTING INTERSECTION— AND SAMPLING (SYSTEM) DETECTORS US RTE. 45 **9** 2 7-4-07 0+ 0 1 С У 0 ¥ 3 **4** → • В

#### **CABLE PLAN**

PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D

**→**②→ Z

# **SCHEDULE OF QUANTITIES**

QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-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
4	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT
4	EACH	PEDESTRIAN PUSH-BUTTON, NON-LATCHING

#### 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

4 EACH PEDESTRIAN PUSH-BUTTON

TS# 14372 MUNDELEIN

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	DW	REVISED -		U.S. ROUTE 45 AT COURTLAND STREET	F.A.	SECTION	COUNTY TOTAL SHEET
N:\Projects3\12004\DesignCAD\Sheet Files	12-003 Sheets SW Lake Co\14372_CAB_LAKE.dg	DRAWN -	JDH	REVISED -	STATE OF ILLINOIS	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM		2012-039TS	LAKE 84 69
	PLOT SCALE = \$SCALE\$	CHECKED -	KMM	REVISED -	DEPARTMENT OF TRANSPORTATION	AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			CONTRACT NO. 60T84
	PLOT DATE = 8/23/2012	DATE -		REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT