

IL RTE 21



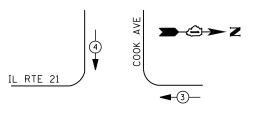
DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE OVERLAP NUMBER REFERS TO

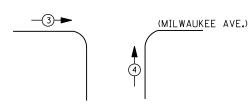
ASSOCIATED PHASE

(MILWAUKEE AVE.)

### PHASE DESIGNATION DIAGRAM

CONTROLLER SEQUENCE





#### EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PREE	EMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	-	<b>↓</b> ↑

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REOUIREMENTS								
TYPE	NO. LAMPS	WATTAGE		WATTAGE % OPERATIONS				
		INCAND.	LED		WATTAG			
IGNAL (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			
RROW	4	1 35	12	0.10	5			
ED. SIGNAL	8	90	25	1.00	200			
ONTROLLER	1	100	100	1.00	100			

I. D. O. T.

ILLUM. SIGN 0.05 VIDEO SYSTEM 1.00 150 FLASHER LED TOTAL = 530

ENERGY COSTS-

BILLED TO: VILLAGE OF LIBERTYVILLE 200 E. COOK AVENUE

LIBERTYVILLE, IL 60048

ENERGY SUPPLY -

CONTACT TERRI BLECK PHONE 847-816-5239

COMMONWEALTH EDISON

# 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

# CABLE PLAN

C W W

ILL. ROUTE 21

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D

## SCHEDULE OF QUANTITIES

JANTITY	UNIT	ITEM
<u> </u>	0.11	<u> </u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
8	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
8	EACH	PEDESTRIAN PUSH-BUTTON
ĭ	EACH	MODIFY EXISTING CONTROLLER CABINET
i	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
Ī	EACH	UNINTERRUPTABLE POWER SUPPLY. SPECIAL
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
Ĭ	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
ĭ	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
2	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT
1	EAUT	SIGNAL HEAD, LED, I-FACE, S-SECTION, BRACKET MOUNTED, RETROFT

CONTRACTOR SHALL REPLACE BROKEN MOUNTING BRACKETS AT ALL RETROFIT SIGNAL HEADS OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CORRESPONDING SIGNAL HEAD, LED, RETROFIT PAY ITEM OF THE TYPE AND NUMBER OF SIGNAL HEADS, FACES, AND SECTIONS AS SPECIFIED IN THE PLANS.

TS# 13990 LIBERTYVILLE

-TRACER CABLE

INTERCONNECT TO

LAKE STREET

-EXISTING SAMPLING (SYSTEM) DETECTOR

L00PS

FILE NAME =	USER NAME = \$USER\$	DESIGNED	-	DW	REVISED	-	Ī
N:\Projects3\12004\DesignCAD\Sheet Files	\12-001 Sheets SE Lake Co\13990_CAB_LAKE.dgn	DRAWN	-	JDH	REVISED	-	
	PLOT SCALE = \$SCALE\$	CHECKED	-	кмм	REVISED	-	
	PLOT DATE = 3/28/2012	DATE	-		REVISED	-	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

TRACER CABLE -

INTERCONNECT TO CHURCH STREET

NO. 6

								LIDLI	1 1 4 1	
IL RTE. 21 (MILWAUKEE AVE.) AT COOK AVE. – CABLE PLAN,					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
SCHEDIIIE VE	OUVERTITIES	рилс	E DEGICI	N DIACRAN	N S. EVD SECTIENCE		2012-003 I	LAKE	102	78
SCHEDULE OF QUANTITIES, PHASE DESIGN. DIAGRAM & EVP SEQUENCE							CONTRAC	Î NO. 6	50T41	
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

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(MILWAUKEE AVE.)

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