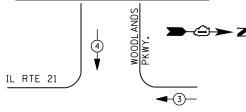


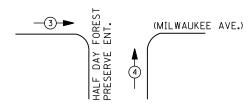
## LEGEND

DUAL ENTRY PHASE PEDESTRIAN PHASE SINGLE ENTRY PHASE

NUMBER REFERS TO ASSOCIATED PHASE

# PHASE DESIGNATION DIAGRAM





#### EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS							
EMERGENCY VEHICLE PREEMPTOR	3	4					
MOVEMENT	<b>—</b>	<b>1</b>					

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

ELLETRICAL SERVICE REGULATION								
TYPE	NO. LAMPS	WATTAGE		WATTAGE		% OPERATIONS	TOTAL WATTAGE	
		INCAND.	LED					
SIGNAL (RED)	13	1 35	17	0.50	111			
(YELLOW)	13	1 35	25	0.25	81			
( GREEN)	13	1 35	15	0.25	49			
ARROW	12	1 35	12	0.10	14			
PED. SIGNAL	4	90	25	1.00	100			
CONTROLLER	1	1 00	1 00	1.00	100			
ILLUM. SIGN		252	25	0.05				
VIDEO SYSTEM		150	-	1.00	I			
FLASHER LED								

ENERGY COSTS-

BILLED TO: VILLAGE OF VERNON HILLS

ENERGY SUPPLY -

CONTACT TERRI BLECK

PHONE 847-816-5239

TOTAL =

290 EVERGREEN DRIVE VERNON HILLS, IL 60061

COMMONWEALTH EDISON

# REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

INTERCONNECT TO U.S. RTE. 45 (OLD HALF DAY ROAD)

NO. 62.5/125. 12F

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.

PEDESTRIAN SIGNAL HEAD

PEDESTRIAN PUSH-BUTTON

NOTE: PUSH-BUTTON "B" SHALL PLACE A CALL TO PHASES 4 AND 6.

-NO. 6.

(GREEN)

CABLE PLAN

HALF DAY FOREST RESERVE ENTRANCE

+c +c -c -k

NO. 6-(GREEN)

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ILLINOIS ROUTE 21

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## SCHEDULE OF QUANTITIES

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

TRACER CABLE

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.

RETROFIT ALL EXISTING

SIGNAL HEADS TO L.E.D

- NO 6 (GREEN)

TS# 21411 VERNON HILLS

TRACER CABLE

INTERCONNECT TO CORPORATE WOODS PARKWAY

NO. 62.5/125. 12F

-UPS

(MILWAUKEE AVE.)

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FILE NAME =	USER NAME = \$USER\$	DESIGNED -	DW	REVISED -
N:\Projects3\12004\DesignCAD\Sheet Files	12-001 Sheets SE Lake Co\21411_CAB_LAKE.dgn	DRAWN -	JDH	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED -	KMM	REVISED -
	PLOT DATE = 3/28/2012	DATE -		REVISED -

### STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

IL ROUTE 21 (MILWAUKEE AVE.) AND WOODLANDS PKWY. – CABLE PLAN,				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
SCHEDULE OF QUANTITIES, PHASE DESIGN DIAGRAM & EVP SEQUENCE						2012-003 I	LAKE	102	55	
SCHEDOLE OF COANTITIES, FRASE DESIGN. DIAGRAM & EVE SECULIAL								CONTRAC	T NO. 6	OT41
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				