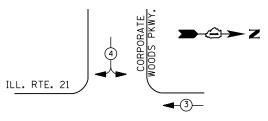


DUAL ENTRY PHASE

-5-

RIGHT TURN OVERLAP PHASE DESIGNATION OVERLAP

LETTER 6



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VE	HICLE PR	EEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4		
MOVEMENT	+	\		

I. D. O. T. TRAFFIC SIGNAL INSTALLATION

ELECTRICAL SERVICE REQUIREMENTS								
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL			
		INCAND.	LED		WATTAGE			
SIGNAL (RED)	12	1 35	17	0.50	102			
(YELLOW)	12	1 35	25	0.25	75			
(GREEN)	12	1 35	15	0.25	45			
ARROW	8	1 35	12	0.10	10			
PED. SIGNAL		90	25	1.00				
CONTROLLER	1	100	1 00	1.00	100			
ILLUM. SIGN		252	25	0.05				
VIDEO SYSTEM		150	-	1.00				
FLASHER LED								

ENERGY COSTS-

BILLED TO: VILLAGE OF VERNON HILLS

ENERGY SUPPLY -

FILE NAME =

CONTACT TERRI BLECK PHONE

EACH

SCHEDULE OF QUANTITIES

QUANTITY	<u>UNIT</u>	<u>ITEM</u>
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
ī	EACH	TRANSCEIVER - FIBER OPTIC
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
5	EACH	INDUCTIVE LOOP DETECTOR
* 1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1_	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
2	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
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED RETROFIT
1	EACH	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED RETROFIT

* - 100% COST TO VILLAGE OF VERNON HILLS

CONSTRUCTION NOTES

CABLE PLAN

NO. 6

GREEN

1) THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

A A C X R R Y O A D

- 2) CONTRACTOR SHALL RELOCATE EXISTING FIBER OPTIC SPLICE BOX TO A NEW CONTROLLER CABINET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL PAY ITEM.
- 3) 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# 21410 VERNON HILLS

LAKE 102 54

CONTRACT NO. 60T41

COUNTY

-TRACER CABLE

\INTERCONNECT TO

AMERICAN HOTEL

REGISTER DR.

(MILWAUKEE AVE.)

RETROFIT ALL EXISTING SIGNAL HEADS TO L.E.D

SECTION IL RTE 21 (MILWAUKEE AVE) AND CORPORATE WOODS PKWY-CABLE PLAN, RTE. 2012-003 I SCHEDULE OF QUANTITIES, PHASE DESIGN. DIAGRAM & EVP SEQUENCE SCALE: N.T.S. SHEET NO. OF SHEETS STA.

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FO	OLLO	OWI NG	I TEI	MS S	HALL	BE	REMOV	VED	ΒY	THE	CONT	RACTO	R AND
SHALL	BE	DISP	OSED	OF	BY T	нем	OUTSI	DE	THE	RIC	GHT-0	F-WAY	ΑΤ
THEIR	EXF	PENSE	. TI	HE S	ALVA	GE '	VALUE	OF	THE	REM	MOVED	EQUI	PMEN1
SHALL	BE	REFL	ECTE	DIN	THE	COI	NTRAC	т ві	D P	RICE			

CONTROLLER AND CABINET (COMPLETE) TRAFFIC SIGNAL BACKPLATE

PHASE DESIGNA	TION DIAGRAM
LL. RTE. 21	CORPORATE WOODS PKWY
_3 ►	(MI) WALKEE AVE V

(MILWAUKEE AVE.)

DESIGNED REVISED USER NAME = \$USER\$ N:\Projects3\12004\DesignCAD\Sheet Files 12-001 Sheets SE Lake Co\21410_CAB_LAKE.dg DRAWN JDH REVISED CHECKED KMM REVISED PLOT DATE = 3/28/2012 DATE REVISED

332

STATE OF ILLINOIS

ILL. RTE. 21 (MILWAUKEE AVE.)

TRACER CABLE -

INTERCONNECT TO

WOODLANDS PARKWAY

ILL. RTE. 21

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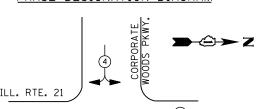
NO. 6 GREEN

NUMBER REFERS TO ASSOCIATED PHASE

PEDESTRIAN PHASE SINGLE ENTRY PHASE

LEGEND

PERMISSIVE PROTECTED PHASE







EMERGENCY VE	HICLE PRI	EEMPTORS
EMERGENCY VEHICLE PREEMPTOR	3	4

ELECTRICAL SERVICE REQUIREMENTS							
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ARROW	8	1 35	12	0.10	10		
PED. SIGNAL		90	25	1.00			
CONTROLLER	1	100	1 00	1.00	100		
LLUM. SIGN		252	25	0.05			
TIDED SYSTEM		150	_	1 00			

290 EVERGREEN DRIVE VERNON HILLS, IL 60061

847-816-5239 COMMONWEALTH EDISON

TOTAL =

DEPARTMENT OF TRANSPORTATION