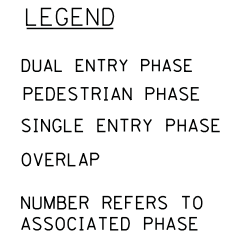
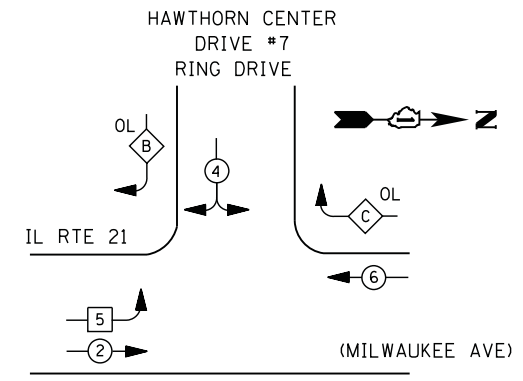


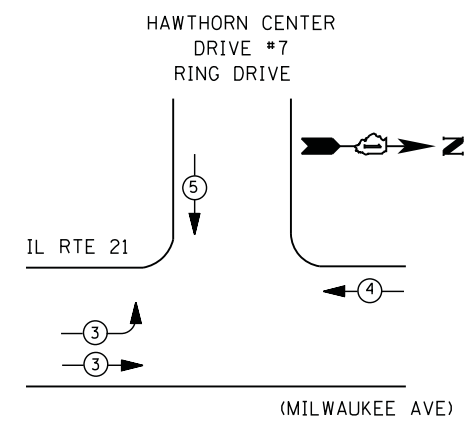
CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B =	4 +	5
C =	6 +	4

PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	←	↓

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	13	135	17	0.50	111
(YELLOW)	13	135	25	0.25	81
(GREEN)	13	135	15	0.25	49
ARROW	4	135	12	0.10	5
PED. SIGNAL	0	90	25	1.00	--
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	--
VIDEO SYSTEM		150	-	1.00	--
FLASHER LED					
TOTAL =					345

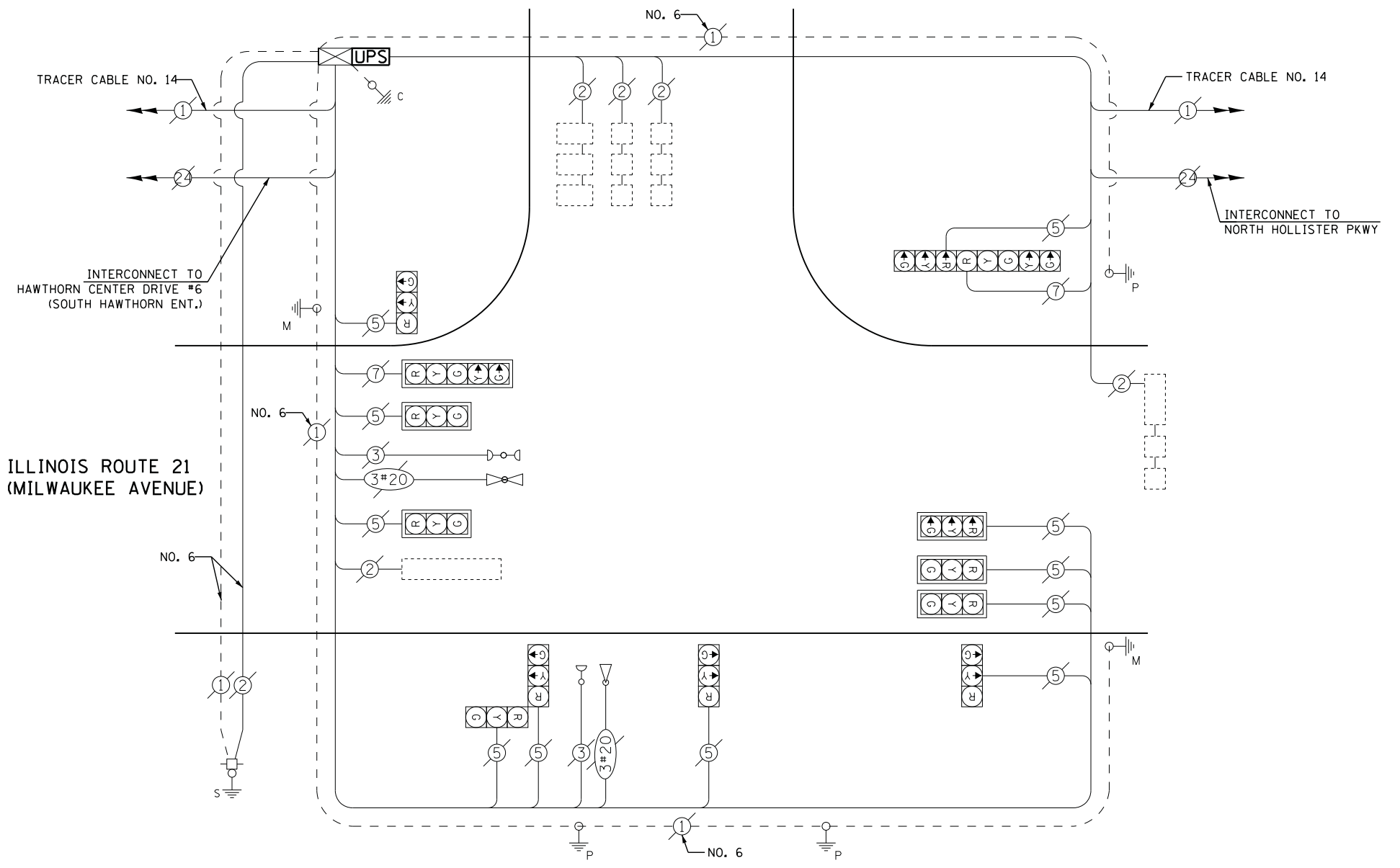
ENERGY COSTS- **BILLED TO: VILLAGE OF VERNON HILLS**
 290 EVERGREEN DR.
 VERNON HILLS, IL 60061

ENERGY SUPPLY - CONTACT TERRI BLECK
 PHONE 847-816-5239
 COMMONWEALTH EDISON

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL

HAWTHORN CENTER DRIVE #7 RING DRIVE



CABLE PLAN

FILE NAME = N:\Projects\312004\DesignCAD\Sheet Files\12-001 Sheets SE Lake Co\06725_CAB.LAKE.dgn
 USER NAME = sUSERs
 DESIGNED - DW
 DRAWN - JDH
 PLOT SCALE = *SCALE*
 PLOT DATE = 3/28/2012

DESIGNED - DW
 DRAWN - JDH
 CHECKED - KMM
 DATE -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IL RTE. 21 (MILWAUKEE AVE.) & HAWTHORN CENTER DR. #7-CABLE PLAN, SCHEDULE OF QUANTITIES, PHASE DESIGN. DIAGRAM & EVP SEQUENCE
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-003 I	LAKE	102	44
CONTRACT NO. 60T41				
ILLINOIS FED. AID PROJECT				

TS# 6725
 VERNON HILLS