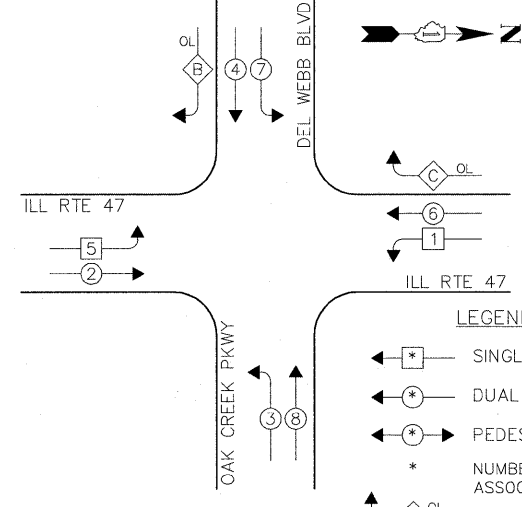


**CONTROLLER SEQUENCE**



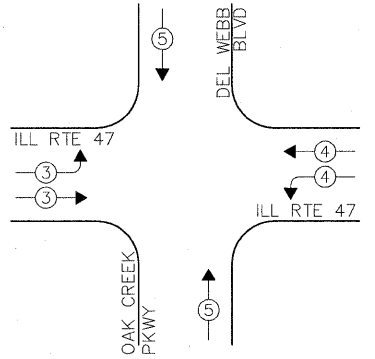
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7

**LEGEND:**

- ◀ \* → SINGLE ENTRY PHASE
- ◀ \* → DUAL ENTRY PHASE
- ◀ \* → PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE
- ◀ \* OL → OVERLAP

**PHASE DESIGNATION DIAGRAM**

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

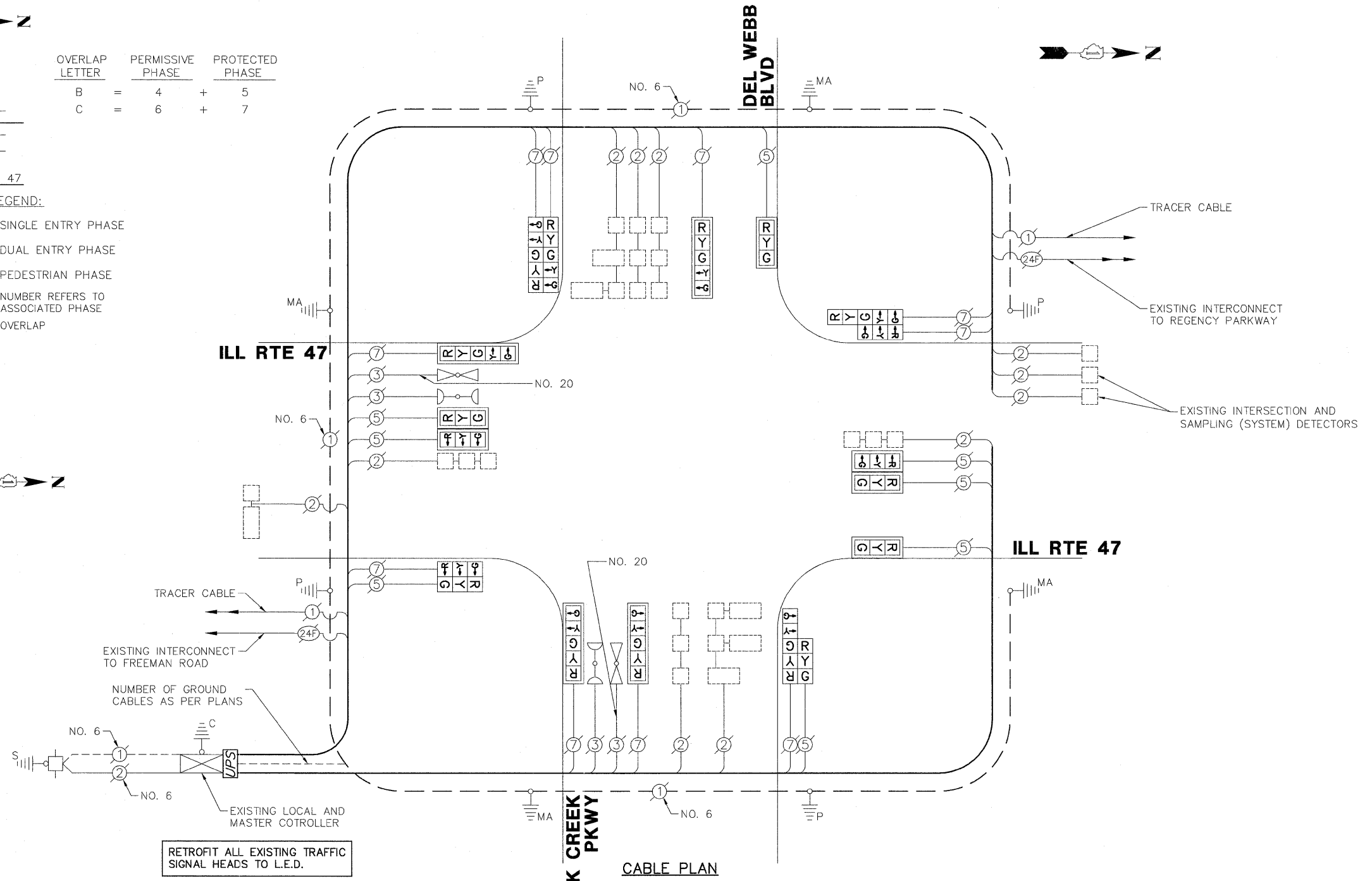


EXISTING EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	→	→

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE	INCAND.	L.E.D. % OPERATION	
SIGNAL (RED)	18	135	17	0.50	153.0
SIGNAL (YELLOW)	18	135	25	0.25	112.5
SIGNAL (GREEN)	18	135	15	0.25	67.5
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	1	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
<b>TOTAL =</b>					<b>477.2</b>

ENERGY COSTS - BILLED TO: VILLAGE OF HUNTLEY  
 (ADDRESS) 10987 MAIN STREET  
 (ADDRESS) HUNTLEY, IL 60142  
 ENERGY SUPPLY - CONTACT: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_

FILE NAME = 4085.880-TR1.dwg	USER NAME = ZACH WALLSTEN	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
		CHECKED - KLB	REVISED -
		DATE - 12/16/2011	REVISED -



**CABLE PLAN**

**SCHEDULE OF QUANTITIES**

ILL RTE 47 AT DEL WEBB BOULEVARD / OAKCREEK PARKWAY

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	1	EACH	MODIFY EXISTING CONTROLLER CABINET
3.	1	EACH	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
4.	2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT
5.	6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
6.	4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
7.	1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
8.	1	EACH	SIGNAL HEAD, LED, 2 FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**ILL ROUTE 47 AT DEL WEBB BOULEVARD / OAK CREEK PARKWAY**

F.A.P. RTE. VARIES	SECTION 2011-218-1	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 37
SCALE: N.A.			CONTRACT #: 60R60	
SHEET NO. OF SHEETS		ILLINOIS FED. AID PROJECT		

GHA #4085.880