



THE UPS SHALL BE INSTALLED ON A SEPARATE FOUNDATION NEXT TO THE EXISTING CONTROLLER CABINET (TYPE III) OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY, GROUND MOUNTED."

**CONSTRUCTION NOTES:**

- ① REPLACE EXISTING 14 FOOT PAINTED POST. REUSE EXISTING TYPE A CONCRETE FOUNDATION AND EXISTING CABLES

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.

- 14 EACH SIGNAL HEAD, 3-SECTION
- 3 EACH OPTICALLY PROGRAMMED SIGNAL HEAD, 3-SECTION
- 2 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH TRAFFIC SIGNAL POST
- 8 EACH PEDESTRIAN SIGNAL HEAD

**SCHEDULE OF QUANTITIES**

ILL RTE 25 (DUNDEE AV) / LIBERTY STREET AT CONGDON AVENUE

NO.	QUANT.	UNIT
1.	15	FOOT UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
2.	1	EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
3.	2	EACH TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
4.	1	EACH DRILL EXISTING HANDHOLE
5.	2	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
6.	3	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
7.	3	EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
8.	2	EACH SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED
9.	2	EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10.	3	EACH PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
11.	2	EACH TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
12.	1	EACH MODIFY EXISTING CONTROLLER CABINET
13.	1	EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
14.	1	EACH UNINTERRUPTIBLE POWER SUPPLY, GROUND MOUNTED

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	% OPERATION	
SIGNAL (RED)	17	135	17	0.50	144.5
SIGNAL (YELLOW)	17	135	25	0.25	106.25
SIGNAL (GREEN)	17	135	15	0.25	63.75
ARROW	-	135	12	0.10	-
PED. SIGNAL	8	90	25	1.00	200.0
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	-
TOTAL =					639.5

ENERGY COSTS - BILLED TO: CITY OF ELGIN  
 (ADDRESS) 150 DEXTER COURT  
 (ADDRESS) ELGIN, IL 60120  
 ENERGY SUPPLY - CONTACT: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_

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

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

**SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM**  
**ILL ROUTE 25 (DUNDEE AV) / LIBERTY ST AT CONGDON AVENUE**

F.A.P. RTE. VARIES	SECTION 2011-218-1	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 16
CONTRACT # 60R60			ILLINOIS FED. AID PROJECT	

GHA #4085.880