



**CONSTRUCTION NOTES:**  
 ① THE UNINTERRUPTIBLE POWER SUPPLY UNIT SHALL BE INSTALLED ON THE LEFT SIDE OF THE EXISTING CONTROLLER SUPPORT CABINET. ADDITIONAL BRACING SUPPORT FOR THE BOTTOM OF THE NEW UPS SHALL BE INSTALLED AS REQUIRED BY THE ENGINEER.

RETROFIT ALL EXISTING TRAFFIC SIGNAL HEADS TO L.E.D.

**CABLE PLAN**

**SCHEDULE OF QUANTITIES**  
 ILL RTE 31 (STATE ST) AT HIGHLAND AVENUE

NO.	QUANT.	UNIT
1.	1	EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	4	EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
3.	2	EACH PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED
4.	1	EACH MODIFY EXISTING CONTROLLER CABINET
5.	1	EACH REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
6.	1	EACH UNINTERRUPTIBLE POWER SUPPLY, SPECIAL
7.	1	EACH SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, RETROFIT
8.	1	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
9.	6	EACH SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, RETROFIT
10.	2	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, RETROFIT
11.	1	EACH SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED, RETROFIT
12.	1	EACH SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED, RETROFIT

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.

8 EACH PEDESTRIAN SIGNAL HEAD

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE	INCAND.	L.E.D.	% OPERATION
SIGNAL (RED)	14	135	17	0.50	119.0
SIGNAL (YELLOW)	14	135	25	0.25	87.5
SIGNAL (GREEN)	14	135	15	0.25	52.5
ARROW	8	135	12	0.10	9.6
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	—
<b>TOTAL =</b>					<b>593.6</b>

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

FILE NAME = 4085.880-TRI.dwg	USER NAME = ZACH WALLSTEN	DESIGNED - JRD	REVISED -
PLOT SCALE = 1" = .0833'	DATE = 12/16/2011	DRAWN - ZCW	REVISED -
		CHECKED - KLB	REVISED -
			REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES AND CABLE PLAN ILL ROUTE 31 (STATE STREET) AT HIGHLAND AVENUE**

FAP RTE. VARIES	SECTION 2011-218-1	COUNTY KANE	TOTAL SHEETS 48	SHEET NO. 27
CONTRACT #: 60R60			GHA #4085.880	
ILLINOIS FED. AID PROJECT				