ELECTRICAL GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO SUPPLY AN AIMING DEVICE TO ADJUST THE LUMINAIRES TO THEIR CORRECT ANGLE. MOUNTING ANGLES ARE BASED ON THE EVALUATION OF THE FOUNDATION LEVEL WITH THE ROADWAY.
2. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REQUIRED VERTICAL LUMINAIRE MOUNTING ANGLE ADJUSTMENT DURING FINAL INSPECTION.
3. THE CONTRACTOR SHALL FIELD VERIFY EXISTING BOLT PATTERNS, DIAMETERS AND THREAD COUNTS.
4. CONDUCTOR SPLICES SHALL BE IN POLE BASES OR JUNCTION BOXES. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
5. COORDINATION WITH THE DEPARTMENT'S BUREAU OF OPERATIONS IS REQUIRED BEFORE INSTALLING UNDERGROUND CONDUIT TO LOCATE HIGHWAY LIGHTING/PUMPING/ITS FACILITIES AND TO COORDINATE OTHER FIELD ACTIVITIES.
6. ALL UTILITIES AND DRAINAGE STRUCTURES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO INSTALL CONDUIT OR REMOVE AND REINSTALL ELECTRIC CABLE IN CONDUIT. THE COST FOR LOCATING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE UNIT PRICE FOR UNDERGROUND CONDUIT.
7. ABANDON UNUSED CONDUIT AND CABLES UNDER THE MEDIAN.

LEGEND

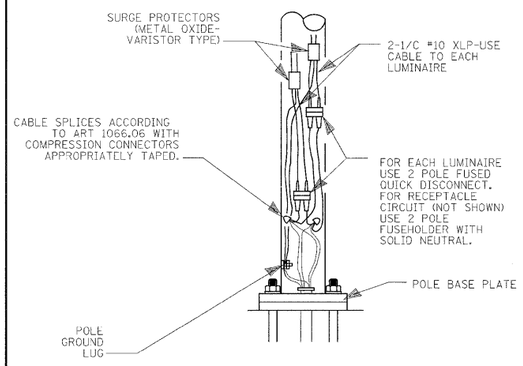
OR	EXISTING LIGHT POLE W/ LUMINAIRE
	EXISTING ELECTRIC CABLE IN CONDUIT OR UNIT DUCT, AS SPECIFIED
	EXISTING CONDUIT
	EXISTING JUNCTION BOX
	EXISTING LIGHTING CONTROL INSTALLATION
	EXISTING SIGN TRUSS
	RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE
-G-	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC (CON EMB STR 2 PVC)
	UNDERGROUND CONDUIT, 2" OR 3" DIA., GALVANIZED STEEL (UNDRGRND CON 3 GALVS) (UNDRGRND CON 2 GALVS)
EC C XLP USE 3-1C 4	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO.4
EC C XLP USE 3-1C 6	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO.6

SCHEDULE OF QUANTITES

PAY ITEM #	DESCRIPTION	UNIT	TOTAL	CONTROLLER 18	CONTROLLER 19
80300100	LOCATING UNDERGROUND CABLE	FOOT	70	50	20
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	280	180	100
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	130	130	0
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	2306	936	1370
81200250	CONDUIT EMBEDDED IN STRUCTURE, 3" DIA., PVC	FOOT	10	10	0
81300986	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 8" X 24" X 10"	EACH	4	2	2
81702410	ELECTRIC CABLE IN CONDUIT, 600V(XLP-TYPE USE) 3-1/C NO. 4	FOOT	960	960	0
81702415	ELECTRIC CABLE IN CONDUIT, 600V(XLP-TYPE USE) 3-1/C NO. 6	FOOT	1432	0	1432
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	870	275	595
X0502600	TEMPORARY LIGHTING	L SUM	1	0.6	0.4
X8360120	LIGHT POLE FOUNDATION, SPECIAL	EACH	12	7	5
X8440110	RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	12	7	5
Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.6	0.4

SCHEDULE OF CABLE AND CONDUIT

CRKT.#	FROM	TO	LOCATE UNDERGR CABLE	REM & RE ELCBL FR CON	EC C XLP USE 3-1C 4	EC C XLP USE 3-1C 6	CON EMB STR 2 PVC	CON EMB STR 3 PVC	UNDRGRND CON 2 GALVS	UNDRGRND CON 3 GALVS	JUN BX SS ES 8X24X10
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH
18A	EXB1 A&B 259+35	UNDER EB. HWY.	10	40				5		50	
18A	EXB3 A&B 262+00	UNDER EB. HWY.	10	40				5		65	
18A	EXB5 A&B 264+65	UNDER EB. HWY.	10	40				5		80	
18A	EXB7 A&B 267+40	EXB9 A&B 270+30			325		305				
18A	EXB9 A&B 270+30	UNDER EB. HWY.	10	70			19		50		1
18A	EXB9 A&B 270+30	EXB11 A&B 273+20			325		305				
18A	EXB11 A&B 273+20	EXB13 A&B 276+10			310		290				
18A	EXB13 A&B 276+10	UNDER EB. HWY.	10	85			12		65		1
19A	WXB2 A&B 267+35	UNDER EB. HWY.	10	80			19		60		1
19A	WXB2 A&B 267+35	WXB4 A&B 270+50				350	330				
19A	WXB4 A&B 270+50	WXB6 A&B 273+65				350	330				
19A	WXB6 A&B 273+65	WXB8 A&B 276+80				350	330				
19A	WXB8 A&B 276+80	UNDER EB. HWY.	10	60			19		40		1
19A	WXB8 A&B 276+80	WXB10 A&B 279+95				350	330				
19A	WXB10 A&B 279+95	WXB12 A&B 282+13		455		32	12				
			70	870	960	1432	2306	10	280	130	4



WIRING DETAIL

NO SCALE

GENERAL NOTES

ALL TAPED SPLICES SHALL USE 2 LAYERS OF ELECTRICAL TAPE OVER 3 LAYERS OF RUBBER TAPE AS REQUIRED BY THE STANDARD SPECIFICATIONS. COAT THE FINISHED TAPED SPLICE WITH BONDING COMPOUND.

ALL CABLE SPLICES SHALL BE TAPED UNLESS ANOTHER METHOD HAS BEEN SPECIFICALLY APPROVED BY THE ENGINEER.

FOR EXAMPLE PURPOSES THE POLE IS SHOWN ON AN ANCHOR BASE. IF THE POLE IS REQUIRED TO BE SET ON A BREAKAWAY BASE, CONSULT THE STANDARD SPECIFICATIONS.

FILE NAME = c:\pw_work\pwidot\burnsideem\d0109244\d076415-sht-light.dgn	USER NAME = burnsideem	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 49.9950 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/6/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL GENERAL NOTES, LEGEND
SCHEDULE OF QUANTITIES AND POLE DETAILS

SCALE: _____ SHEET NO. __ OF __ SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(3-4)RS	ST. CLAIR	167	86
		CONTRACT NO. 76415		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		