

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION
	WALL MOUNTED LUMINAIRE, 70 WATT HPS
	CEILING MOUNTED LUMINAIRE, 70 WATT HPS
	LIGHTING CONTROLLER
	ELECTRIC JUNCTION BOX
	ELECTRIC HANDHOLE
	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED WITH DISCONNECT SWITCH
	EXPOSED CONDUIT
	UNIT DUCT
	EXISTING UNDERGROUND WIRING TO REMAIN
	EXISTING CONDUIT EXPOSED
	EXISTING CONDUIT TO BE REMOVED
	CONCEALED CONDUIT IN STRUCTURE
	CONCEALED CONDUIT UNDERGROUND, TRENCHED OR PUSHED
	RACEWAY OR DIRECT BURIAL CABLE UNDERGROUND, WITHOUT ENCASEMENT
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN

ABBREVIATIONS

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AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
ATS	ATTACHED TO STRUCTURE
B	BASELINE
BOE	IDOT BUREAU OF ELECTRICITY
CB	CIRCUIT BREAKER
CKT	CIRCUIT
C	CENTERLINE
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
EOP	EDGE OF TRAVELED PAVEMENT
ER	EXISTING RELOCATED UNIT
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HPS	HIGH PRESURE SODIUM
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MTG HT	MOUNTING HEIGHT
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

GENERAL NOTES:

- ALL WORK AND MATERIAL SHALL COMPLY WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007, UNLESS SPECIFICALLY STATED OTHERWISE IN THE SPECIAL PROVISIONS, AND ON CONTRACT DRAWINGS.
- QUANTITIES OF CONDUIT, WHERE INDICATED ON THE PLANS, ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE CONFORMANCE WITH SPECIFIED REQUIREMENTS.
- NO EQUIPMENT OR MATERIAL SHALL BE DELIVERED TO THE JOB SITE PRIOR TO THE APPROVAL AND INSPECTION OF THE ENGINEER. ANY EQUIPMENT OR MATERIAL DELIVERED TO THE JOB SITE PRIOR TO APPROVAL AND INSPECTION SHALL BE REMOVED FROM THE JOB SITE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PREPARE A PRELIMINARY SCHEDULE WHEN THE CONTRACT COMMENCES WHICH ESTABLISHES THE DATE WHEN THE ELECTRICAL SERVICES WILL BE REQUIRED. THIS SCHEDULE SHALL BE FORWARDED IN WRITING TO COMMONWEALTH EDISON COMPANY (COMED). SUBSEQUENT UPDATING OF THE SCHEDULE SHALL BE FORWARDED TO COMED AS CHANGES MAY OCCUR IN THE DATE OF SERVICE REQUIREMENTS. TEN (10) DAYS BEFORE THE ELECTRICAL SERVICES ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY COMED BY PHONE AND CONFIRM THE REQUEST IN WRITING. COMED ELECTRIC SERVICE AGREEMENT SHALL BE FORWARDED TO THE VILLAGE OF DEERFIELD PUBLIC WORKS AND ENGINEERING DEPARTMENT.
- ALL EXISTING AREAS THAT ARE DAMAGED AS PART OF THIS WORK, INCLUDING BUT NOT LIMITED TO FENCING, CURB AND GUTTER, SIDEWALKS, AND WHERE RESTORATION IS NOT COVERED BY THE APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS, SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THIS CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
- WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE EXCAVATION PAY ITEM.
- ALL CONDUIT, JUNCTION BOXES, AND APPERTUNANCES ARE ILLUSTRATED DIAGRAMMATICALLY, THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
- CONDUITS SHALL BE INSTALLED AT A MINIMUM 36" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF CONDUIT AS REQUIRED AT NO ADDITIONAL COST. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
- WHERE MULTIPLE CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL WILL NOT BE PAID FOR EACH CONDUIT, BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.
- EQUIPMENT GROUNDING CONDUCTORS SHALL BE SPLICED AND BONDED TO EACH JUNCTION BOX AND PULL BOX THE CONDUCTORS PASS THROUGH AS WELL AS AT EACH LIGHTING FIXTURE AND TO ALL OTHER ITEMS OF EQUIPMENT. JUNCTION BOXES SHALL BE EQUIPPED WITH GROUND LUGS FOR GROUND WIRE TERMINATION WITHOUT DEGRADATION OF THE BOX RATING.

FILE NAME = D:\sht-elec01.dgn	USER NAME = JMiddlet	DESIGNED - JLW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEERFIELD RD PEDESTRIAN UNDERPASS ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1/4"=1'	CHECKED - KMY	REVISED -	1257			08-00083-00-BT	LAKE	51	15	
PLOT DATE = 4/13/2010	DATE - 04/09/10	REVISED -	CONTRACT NO. 63450			SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		