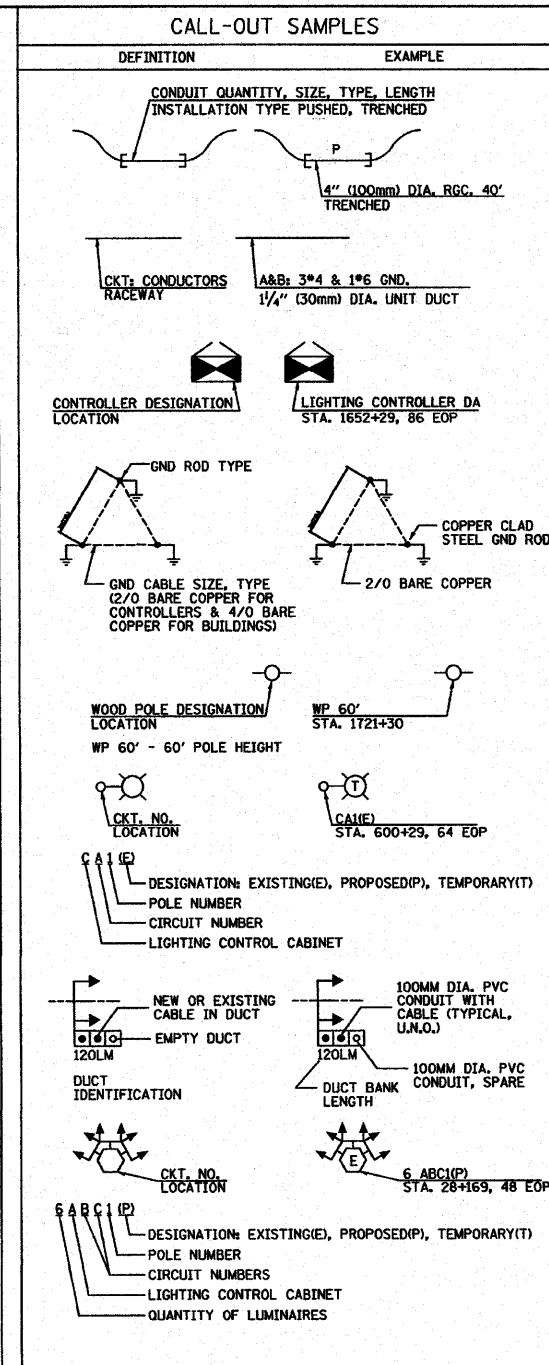


ABBREVIATIONS	
SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EOP	EDGE OF PAVEMENT
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
ER	EXISTING RELOCATED UNIT
ET	EXISTING TEMPORARY UNIT TO REMAIN
ETR	EXISTING TEMPORARY RELOCATED UNIT
FT	FEET OR FOOT
FND BW	FOUNDATION BARRIER WALL
FND BW OS	FOUNDATION BARRIER WALL OFFSET
FND CON	FOUNDATION CONCRETE
FND CON OS	FOUNDATION CONCRETE OFFSET
FND MET	FOUNDATION METAL
FND PW	FOUNDATION PARAPET WALL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
MTG HT	MOUNTING HEIGHT
NO.	NUMBER
PB	PUSH BUTTON
PNL	PANEL
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
T	TEMPORARY LIGHTING UNIT
TMP	TEMPORARY
TR	TEMPORARY UNIT TO BE REMOVED, SALVAGE EQUIPMENT AS SPECIFIED
TRR	TEMPORARY UNIT TO BE REMOVED AND RELOCATED
TUR	TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED
UD	UNIT DUCT
WP	WOOD POLE
XFMR	TRANSFORMER

ROADWAY ELECTRICAL SYMBOL	
SYMBOL	DESCRIPTION
	EXISTING HIGH MAST TOWER TO REMAIN
	EXISTING HIGH MAST TOWER TO BE REMOVED
	EXISTING HIGH MAST TOWER TO BE RELOCATED
	PROPOSED HIGH MAST TOWER: 100 FT MOUNTING HEIGHT WITH 400 WATT HIGH PRESSURE SODIUM LUMINAIRES. NUMBER OF LUMINAIRES IS INDICATED ON PLANS.
	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING LIGHTING UNIT TO BE REMOVED
	PROPOSED LIGHTING UNIT: 47.5 FT MOUNTING HEIGHT POLE, 12 FT SINGLE MAST ARM, 310 WATT HIGH PRESSURE SODIUM LUMINAIRE, AND MOUNTED ON BREAKAWAY DEVICE UNLESS OTHERWISE NOTED.
	TEMPORARY LIGHTING UNIT: TEMPORARY WOOD POLE 60 FT., CLASS 4, 50 FT. M.H., 15 FT. MAST ARM, WITH 400 WATT HPS LUMINAIRE, M-C-III
	PROPOSED PEDESTRIAN LIGHTING UNIT WITH 50W HPS LUMINAIRE
	EXISTING UNDERPASS LUMINAIRE
	RIGID GALVANIZED STEEL CONDUIT: THE DIAMETER AND LENGTH AS INDICATED ON THE CONTRACT DRAWINGS, PUSHED (P), IN TRENCH (T).
	UNIT DUCT, WITH 3-1/8 NO. 2 AND 1/8 NO. 4 GROUND 600 V (EPR-TYPE RHW), 1/4" DIAMETER POLYETHYLENE
	EXISTING UNDERGROUND WIRING TO REMAIN
	EXISTING UNIT DUCT TO BE ABANDONED
	EXISTING AERIAL CABLE
	AERIAL CABLE, 3-1/8 NO. 2, ALUMINUM, WITH MESSENGER WIRE
	EXPOSED CONDUIT
	ELECTRIC JUNCTION BOX, TYPE AND SIZE AS INDICATED
	ELECTRIC HANDHOLE
	EXISTING LIGHTING CONTROLLER, DUPLEX
	TEMPORARY WOOD POLE
	EXISTING WOOD POLE
	ELECTRIC GROUND ROD
	EXISTING ELECTRIC CONNECTION TO THE SIGN STRUCTURE, TRUSS TYPE
	GUY WIRE



- GENERAL NOTES:**
- THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS, WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
 - ALL NEW CONDUIT, JUNCTION BOXES AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
 - THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL CONDITIONS.
 - THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRE LAMPS IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
 - THE CONTRACTOR SHALL FURNISH AND INSTALL POLE WIRING AT EACH POLE. THIS SHALL BE CONSIDERED INCIDENTAL TO THE LIGHT POLE PAY ITEMS. NO EXTRA COMPENSATION WILL BE ALLOWED FOR THIS ITEM.
 - ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
 - FOR THE EXISTING LIGHT POLE AND FOUNDATIONS THAT ARE TO BE REMOVED, THE ASSOCIATED UNDERGROUND CONDUITS AND CABLE SHALL BE SEPARATED FROM RESPECTIVE FOUNDATIONS AT 760mm (2.5 FEET) BELOW GRADE AND SHALL BE ABANDONED.
 - EXISTING UNDERGROUND WIRING SHOWN ON PLANS IS DIAGRAMMATIC. CONTRACTOR SHALL MAINTAIN CONTINUITY TO ALL EXISTING WIRING TO EXISTING LIGHTING TO REMAIN. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEMS FOR "TEMPORARY WOOD POLE, 60 FT., CLASS 4. NO SEPARATE PAYMENT WILL BE MADE.
 - ALL LIGHTING EQUIPMENT REMOVED AS PART OF THIS CONTRACT SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED TO STATE'S ELECTRICAL MAINTENANCE CONTRACTOR'S FACILITY LOCATED WITHIN DISTRICT 1 IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 - CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 36" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE STATE. 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.
 - WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO 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 PAY ITEM.
 - THE CONTRACTOR SHALL INSTALL THE PROPOSED UNIT DUCTS/CABLES IN THE EXISTING CONDUITS IN THE CONTROLLER FOUNDATION AND REMOVE THE UNIT DUCTS/CABLES TO BE ABANDONED OR REMOVED FROM THE CONDUIT. THE CONTRACTOR SHALL NOT DRILL THE EXISTING CONTROLLER FOUNDATION FOR INSTALLATION OF ADDITIONAL CONDUITS.
 - WHEREVER THE TEMPORARY AERIAL CABLE IS REQUIRED TO CROSS AN EXISTING AND/OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF TWENTY (20) FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIME.
 - ALL TEMPORARY WOOD POLES AND TEMPORARY LIGHT POLES SHALL BE SET BACK A MINIMUM OF 6 FEET BEHIND THE CURB OR 17 FEET BEHIND THE EDGE OF PAVEMENT WHERE THE CURB AND/OR GUARD RAIL DOES NOT EXIST.

ROADWAY LIGHTING SCHEDULE OF QUANTITIES

DESIGNATION	ITEM QUANTITY	
	UNITS	CONTRACT TOTAL
CONDUIT PUSHED, 3" DIA. GALVANIZED STEEL	FOOT	894
HANDHOLE(SPECIAL)	EACH	4
UNIT DUCT, WITH 3-1/8 NO. 2 AND 1/8 NO. 4 GROUND 600 V (EPR-TYPE RHW), 1/4" DIA., SCHEDULE 40, POLYETHYLENE	FOOT	6419
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6370
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	3
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	3
LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	38
LIGHT POLE, ALUMINUM, 47.5 FT. MOUNTING HEIGHT 12 FT. MAST ARM	EACH	3
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	99
LIGHT TOWER FOUNDATION, 42" DIAMETER	FOOT	154
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	3
REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	5
REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	2
RELOCATE EXISTING LIGHT TOWER	EACH	7
REMOVE TEMPORARY WOOD POLE	EACH	20
LIGHT TOWER SERVICE PAD	EACH	7
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	8
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	3
REMOVE AND REPLACE LIGHTING UNIT IDENTIFICATION DECAL	EACH	7
AERIAL CABLE, 3-1/8 NO. 2 AWG, ALUMINUM, WITH MESSENGER WIRE	FOOT	4222
REMOVAL OF EXISTING LIGHT TOWER AND SALVAGE	EACH	1
REMOVE LIGHT TOWER FOUNDATION, PARTIAL	EACH	8
GROUND ROD, 5/8" DIA. X 10 FT.	EACH	42
TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	3
TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	20
UNIT DUCT, WITH 5-1/8 NO. 6, 3-1/8 NO. 2, AND 1/8 NO. 6 GROUND 2" DIA., SCHEDULE 40, POLYETHYLENE	FOOT	329
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150W, INSTALL ONLY	EACH	4
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 50W, INSTALL ONLY	EACH	12
PEDESTRIAN LIGHT POLE, INSTALL ONLY	EACH	4
ROADWAY LIGHT POLE, INSTALL ONLY	EACH	4
BREAKER, MAIN	EACH	2



Michael G. Kelly 03/20/10
Expires 11/30/2011

INDEX OF SHEETS	
LS	ELECTRICAL SYMBOL LIST, ABBREVIATIONS, GENERAL NOTES AND QUANTITIES
LP-1, LP-2, LP-3, LP-4	PROPOSED ROADWAY LIGHTING PLANS
LT-1, LT-2, LT-3	TEMPORARY ROADWAY LIGHTING PLANS FOR CONSTRUCTION STAGE 1
LT-4, LT-5, LT-6	TEMPORARY ROADWAY LIGHTING PLANS FOR CONSTRUCTION STAGES 2&3
LR-1, LR-2, LR-3	ROADWAY LIGHTING REMOVAL PLANS
LPW	PROPOSED LIGHTING WIRING DIAGRAM
LTW-1	TEMPORARY LIGHTING WIRING DIAGRAM FOR CONSTRUCTION STAGE 1
LTW-2	TEMPORARY LIGHTING WIRING DIAGRAM FOR CONSTRUCTION STAGES 2&3