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10/11/03 AM

4/4/2013

IDOT LIGHTING LEGEND

	PROPOSED UNDERPASS LUMINAIRE 100 WATT HPS, TYPE IV
	EXISTING UNDERPASS LUMINAIRE TO BE REMOVED
	PROPOSED JUNCTION BOX, AS SPECIFIED IN PLANS
	PROPOSED UNIT DUCT, AS SPECIFIED IN PLANS
	PROPOSED CONDUIT ATTACHED TO STRUCTURE, AS SPECIFIED IN PLANS
	PROPOSED UNDERGROUND CONDUIT, AS SPECIFIED IN PLANS
	EXISTING UNDERGROUND CONDUIT, AS SPECIFIED IN PLANS
	PROPOSED DUPLEX TYPE LIGHTING CONTROLLER
	PROPOSED LIGHT POLE AND LUMINAIRE (47.5' M.H., 8' MAST ARM, 250W MCII LUMINAIRE U.N.O.)
	LIGHT POLE DESIGNATION
	CIRCUIT DESIGNATION
	CONTROLLER DESIGNATION
	PROPOSED COMBINATION MAST ARM POLE AND LUMINAIRE 45' M.H., 12' MAST ARM(S) (U.N.O.) 400W MCIII LUMINAIRE
	EXISTING LIGHT POLE AND LUMINAIRE TO BE REMOVED
	EXISTING LIGHT POLE AND LUMINAIRE TO REMAIN
	EXISTING LIGHT POLE AND LUMINAIRE TO BE RELOCATED
	TEMPORARY LIGHTING UNIT 47.5' M.H., 15' MAST ARM, 400W MCIII LUMINAIRE, 60' WOOD POLE (U.N.O.)
	TEMPORARY WOOD POLE, 60 FOOT, CLASS 4
	TEMPORARY AERIAL CABLE 3-1/2" NO. 2 WITH MESSENGER WIRE
	EXISTING HANDHOLE TO BE REMOVED
	PROPOSED HEAVY-DUTY HANDHOLE

ABBREVIATIONS

A.R.	ANCHOR RODS
A.T.S.	ATTACHED TO STRUCTURE
B.C.	BOLT CIRCLE
CKT.	CIRCUIT
GALV.	GALVANIZED
GND.	GROUND
GRSC.	GALVANIZED RIGID STEEL CONDUIT
HPS.	HIGH PRESSURE SODIUM
JB.	JUNCTION BOX
LFMC.	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
M.H.	MOUNTING HEIGHT
PVCC.	PVC COATED
U.N.O.	UNLESS NOTED OTHERWISE
W.	WATT

IDOT LIGHTING SCHEDULE OF QUANTITIES

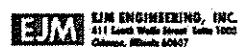
ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	4316
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1350
CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	1335
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	30
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1185
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	16
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	20
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 14" X 6"	EACH	2
HEAVY-DUTY HANDHOLE	EACH	4
UNIT DUCT, 600V, 3-1/2" NO. 2, 1/2" NO. 4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	28828
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 10	FOOT	5341
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 4	FOOT	1074
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 2	FOOT	3222
ELECTRIC CABLE IN CONDUIT, 800V (XLP-TYPE USE) 1/2" 350MCM	FOOT	1275
AERIAL CABLE, 3-1/2" NO. 2 WITH MESSENGER WIRE	FOOT	6663
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	7
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	48
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	16
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 8 FT. MAST ARM	EACH	23
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 10 FT. MAST ARM	EACH	11
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	7
LIGHT POLE, WOOD, 90 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	4
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	352
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	25
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	18
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	24
REMOVAL OF POLE FOUNDATION	EACH	11
RELOCATE EXISTING LIGHTING UNIT	EACH	3
REMOVAL OF LIGHTING CONTROLLER	EACH	1
DRILL EXISTING HANDHOLE	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3570
REMOVE EXISTING HANDHOLE	EACH	2
WOOD POLE, 60 FT, CLASS 4	EACH	9
ELECTRIC CONNECTION TO SIGN STRUCTURE	EACH	1
FLUORESCENT LUMINAIRE FOR SIGN LIGHTING	EACH	4
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL), RADIO SCADA	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	55
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	16
JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 21" X 11" X 7"	EACH	6
MAST ARM, STREET LIGHTING, 10'	EACH	8
MAST ARM, STREET LIGHTING, 12'	EACH	2
REMOVE AND REPLACE FUSE KIT	EACH	92

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.
- ALL NEW CONDUITS, UNIT DUCTS, DIRECT BURIAL CABLES, 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 (LATEST EDITION).
- 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.
- 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.
- CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30" 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 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 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.
- WHEREVER TEMPORARY AERIAL CABLE IS REQUIRED TO CROSS AN EXISTING AND/OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
- IDOT LIGHT POLE SETBACKS ARE MEASURED FROM CENTER OF POLE TO BACK OF CURB IN CURBED AREAS CENTER OF POLE TO EDGE OF TRAVELED PAVEMENT IN NON-CURBED AREAS.
- NO UNDERGROUND SPLICING IS PERMITTED. HANDHOLES ARE TO BE USED FOR CABLE PULLING PURPOSES ONLY.
- EXPANSION/DEFLECTION COUPLINGS FOR EMBEDDED CONDUITS SHALL BE INSTALLED AT ALL STRUCTURE EXPANSION JOINTS. THE COST OF THIS WORK IS INCLUDED IN THE PRICE OF THE CONDUIT EMBEDDED IN STRUCTURE.
- LOCATIONS OF LIGHTING CONDUITS AND FOUNDATIONS IN CLOSE PROXIMITY TO EXISTING CHICAGO DEPARTMENT OF WATER MANAGEMENT FACILITIES MUST BE COORDINATED IN THE FIELD WITH A DEPARTMENT OF WATER MANAGEMENT REPRESENTATIVE. ALL EXCAVATION IN THESE LOCATIONS MUST BE PERFORMED BY HAND.



USER NAME *	DESIGNED - RAS	REVISED - 4/1/2013 CLG
	DRAWN - RAS	REVISED -
PLOT SCALE *	CHECKED - MKR	REVISED -
PLOT DATE *	DATE - 2/18/2013	REVISED -



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT ROADWAY LIGHTING GENERAL NOTES,
LEGEND, AND SCHEDULE OF QUANTITIES
CUMBERLAND AVENUE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2746	SECTION 1616B	COUNTY COOK	TOTAL SHEETS 404	SHEET NO. 233
CONTRACT NO. 60J14				
ILLINOIS FED. AID PROJECT				

LT-01