

BILL OF MATERIALS

ITEM	UNIT	TOTAL QUANTITY	IDOT	CDOT
			UNDERPASS QUANTITY	OVERPASS QUANTITY
IDOT				
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	518	518	
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	140	140	
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	952	952	
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	12	12	
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	6	6	
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2	2	
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 (GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	102	102	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2786	2786	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	932	932	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	2500	2500	
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5982	5982	
* MAINTENANCE OF LIGHTING SYSTEM	CAL.MO	6	6	
* REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	2083	2083	
* REMOVE EXISTING JUNCTION BOX	EACH	30	30	
* PROTECTION AND MAINTENANCE OF EXISTING UNDERPASS LIGHTING	L.SUM	1	1	
CDOT				
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	237		237
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	634		634
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	221		221
* REMOVE EXISTING STREET LIGHTING EQUIPMENT	L.SUM	1		1
* MAINTENANCE OF STREET LIGHTING SYSTEM (CITY OF CHICAGO)	L.SUM	1		1
* PAINT EXISTING STREET LIGHT/TRAFFIC EQUIPMENT COMPLETE	EACH	1		1
* CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	2692		2692
* RACK, SECONDARY-AERIAL, 2-WIRE	EACH	1		1
* POLE, STEEL, 326", ANCHOR BASE, 11 1/2" B.C., 7 GAUGE (INSTALL ONLY)	EACH	4		4
* MAST ARM, STEEL, STREET LIGHTING, 8 FOOT (INSTALL ONLY)	EACH	9		9
* MAST ARM, STEEL, STREET LIGHTING, 15 FOOT (INSTALL ONLY)	EACH	4		4
* LUMINAIRE, STREET LIGHT, CERAMIC METAL HALIDE, 210 WATT, 240 VOLT, ARTERIAL, SEMI-CUTOFF (INSTALL ONLY)	EACH	15		15
* WIRE, AERIAL, 1/C NO. 6	FOOT	260		260
* INDICATE SPECIAL PROVISION				

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSANGER WIRE
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	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
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

GENERAL NOTES

- 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 CONDUITS, 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 LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATION OF THE FINISHED GRADE WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIKE SHALL REMAIN WITH THE CONTRACTOR.
- 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 NOTED OTHERWISE OR DIRECTED BY THE ENGINEER. THE LUMINAIRES MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION 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 INCH 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 OF THE STATE. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, AS PART OF THE UNDERGROUND CONDUIT OR UNIT DUCT. THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- 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 PAY ITEM.

INDEX OF DRAWINGS:

DRAWING NO.	STANDARD NO.	TITLE
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E-3	-	EXISTING UNDERPASS LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
E-4	-	CONDUIT TRANSITION DETAILS
E-5	-	CONDUIT MOUNTING DETAILS ALONG BRIDGE
E-6	BE-902	IDOT DISTRICT 1 STANDARD DETAIL
E-7	-	ELECTRICAL GENERAL NOTES
E-8	826	CDOT STANDARD DETAILS
E-9	-	UNDERGROUND CONDUIT FACILITIES
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E-11	753, 620	CDOT STANDARD DETAILS
E-12	762	CDOT STANDARD DETAILS
E-13	840	CDOT STANDARD DETAILS

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USER NAME : kprajapati	DESIGNED - BN	REVISED -
PLOT SCALE : 2.000000:1.000000	DRAWN - AM	REVISED -
PLOT DATE : 15-MAY-2013 17:33	CHECKED - KGP	REVISED -
	DATE - 5/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**63rd STREET OVER DAN RYAN EXPRESSWAY (I-90 /94)
GENERAL NOTES, ABBREVIATIONS, INDEX OF DRAWINGS AND
SCHEDULE OF QUANTITIES**

F.A.I. RTE. 94	SECTION 1920-B	COUNTY COOK	TOTAL SHEETS 137	SHEET NO. 47
CONTRACT NO. 60J15				
SCALE: N.T.S. SHEET NO. 1 OF 13 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				