

## LIGHTING GENERAL NOTES

- SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT J-BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
- LEVELING NUTS SHALL BE INSTALLED FOR PLUMBING THE POLES. ALL POLES SHALL BE ERECTED PLUMB.
- LIGHTING CIRCUITS SHALL BE WIRED IN ACCORDANCE WITH THE WIRING DIAGRAMS SHOWN IN THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- THE COST OF NUTS AND WASHERS REQUIRED FOR MOUNTING LIGHT POLES ON NEW AND EXISTING CONCRETE FOUNDATIONS SHALL BE INCIDENTAL TO THE CONTRACT UNIT PRICE FOR LIGHT POLES.
- A SURGE PROTECTOR, FUSE BLOCK AND FUSES SHALL BE INSTALLED IN EACH LIGHT POLE AND SHALL BE WIRED AS SHOWN IN THE WIRING SCHEMATICS.
- NEW LIGHT POLE FOUNDATIONS SHALL BE SET BACK FROM THE ROADWAY SO THAT THERE IS 20' BETWEEN THE EDGE OF PAVEMENT AND THE NEAR FACE OF THE ASSOCIATED LIGHT POLE TRANSFORMER BASE.
- LIGHT POLE FOUNDATIONS SHALL BE CONCRETE AND CONSTRUCTED IN ACCORDANCE WITH IDOT STANDARD 836001.
- PROPOSED LIGHT POLES SHALL BE PROVIDED WITH TRANSFORMER BASES.
- BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY. THE UTILITY OWNERS SHALL BE CONTACTED AND LOCATION ASSISTANCE REQUESTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- TRENCHED CABLE RUNS SHALL BE IN A STRAIGHT LINE BETWEEN TERMINAL POINTS WHERE FEASIBLE. TO PREVENT EROSION OF EMBANKMENTS INVOLVING HIGH FILLS AND STEEP SIDE SLOPES, THE CONTRACTOR SHALL NOT TRENCH DIRECTLY FROM POLE TO POLE, RATHER, AS DIRECTED BY THE ENGINEER, THE TRENCH SHALL EXTEND FROM THE POLE STRAIGHT DOWN THE SIDE SLOPE RUN, ALONG THE TOE OF THE SLOPE, AND THEN STRAIGHT UP THE SIDE SLOPE TO THE NEXT POLE. THE CONTRACTOR WILL BE COMPENSATED FOR THIS ADDITIONAL UNIT DUCT AT ITS AGREED CONTRACT UNIT PRICE.
- ALL CONDUIT TO BE PUSHED UNDER EXISTING PAVEMENT OR TRENCHED UNDER PROPOSED PAVEMENT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 3'-6" TO AVOID CONFLICTS WITH EXISTING OR PROPOSED UNDER DRAIN. THE COST OF INSTALLING THE CONDUIT AT THIS DEPTH SHALL BE INCIDENTAL TO THE CONDUIT.
- THE CONTRACTOR WILL BE PAID TO LOCATE APPLICABLE CABLE RUNS OF THE EXISTING LIGHTING SYSTEM THAT WILL REMAIN IN SERVICE DURING AND UPON THE COMPLETION OF THIS PROJECT. THE CONTRACTOR SHALL NOT LOCATE ANY CABLE RUNS THAT ARE TO BE ABANDONED UPON THE COMPLETION OF THIS PROJECT. IN THE EVENT THE CONTRACTOR DISRUPTS A CABLE THAT IS TO BE ABANDONED BUT IS CURRENTLY SERVICING AN EXISTING LUMINAIRE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPLICING THE CABLE. IN THIS CASE SPLICES BELOW GRADE WILL BE PERMITTED.
- ALL NEW UNIT DUCT AND UNDERGROUND CONDUIT SHALL BE PLACED A MINIMUM OF 2'-6" BELOW THE FLOWLINE OF EXISTING DITCHES AND A MINIMUM OF 2'-0" BENEATH THE GROUND SURFACE AT OTHER LOCATIONS.
- IN ALL LOCATIONS WHERE NEW UNIT DUCT AND CONDUIT WILL BE INSTALLED, THE EXISTING UNIT DUCT AND CONDUIT SHALL BE ABANDONED IN PLACE.
- THE EXISTING SIGN LUMINAIRE, S-4, SHALL BE RELOCATED ALONG WITH THE BRIDGE MOUNTED SIGN STRUCTURE. THE COST FOR THIS WORK SHALL BE INCLUDED AS PART OF THE SIGN STRUCTURE RELOCATION.

## LEGEND

	EXISTING SERVICE INSTALLATION
	GROUND CABLE AND GROUND ROD
	GROUND CONNECTION
REL	RELOCATE EXISTING LIGHTING UNIT
	EXISTING LIGHTING UNIT
	EXISTING LIGHTING CONTROLLER
	EXISTING UNIT DUCT
	EXISTING SPAN TRUSS
	RELOCATED LIGHTING UNIT
	PROPOSED 400W HPS, HORIZONTAL MOUNT LUMINAIRE WITH 50' POLE
	PROPOSED JUNCTION BOX
	PROPOSED UNIT DUCT
	PROPOSED PUSHED GALVANIZED STEEL CONDUIT
	2-#2 XLP, 1-#2 XLP-G-1.25P
	2-#4 XLP, 1-#4 XLP-G-1P
	2-#6 XLP, 1-#6 XLP-G-1P
	2-#6 XLP-USE, 1-#6 XLP-G IN CONDUIT, ATTACHED TO STRUCTURE, 1" DIA.
	EXISTING LIGHT POLE AND LUMINAIRE USE IN PLACE
	EXISTING LIGHT POLE AND LUMINAIRE TO BE RELOCATED
	PROPOSED LIGHT POLE AND LUMINAIRE
	EXISTING SIGN
	EXISTING SIGN LIGHTING LUMINAIRE 150W HPS
	TEMPORARY WOOD POLE

CIRCUIT DESIGNATION B-XX  
 FIXTURE NUMBER

## SCHEDULE OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES
80300100	LOCATING UNDERGROUND CABLE	FOOT	1,125
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	506
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	526
81100300	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	60
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	20
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	1
81603025	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,872
81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,581
81603065	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,218
81702415	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	60
81800190	AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	2,500
81800200	AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE	FOOT	3,500
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	4,772
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
83057220	LIGHT POLE, WOOD, 40 FOOT, CLASS 4	EACH	6
83057440	LIGHT POLE, WOOD, 80 FOOT, CLASS 4	EACH	4
83060550	LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., 15 FT. MAST ARM	EACH	4
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	91
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	4
84200804	REMOVAL OF POLE FOUNDATION	EACH	9
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	9
X0323360	WOODEN POLE REMOVAL	EACH	10

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
LIGHTING GENERAL NOTES AND LEGEND			
SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.

F.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	B2-5K-2	ST. CLAIR	162	60
JOB NO. D-98-024-10		PTB NO. 153/053		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				