

ELECTRICAL KEYED NOTES:

- 1 UNIT DUCT, 2#4 XLP, 1#46. XLP, 1°C. IN TRENCH.
- 2 UNIT DUCT, 2#6 XLP, 1#6G. XLP, 1"C. IN TRENCH.
- 3 NOT USED.
- 4 EXISTING CONDUIT EMBEDDED IN STRUCTURE, 2°C.
- 5 2#4 XLP, 1#4G. XLP, EXISTING CONDUIT

LIGHTING GENERAL NOTES:

- 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND THE LIGHTING CONTROLLER FOR EXAMINATION AND CONFRANTON WITH THE ENGINEER AT THE PRECONSTRUCTION INSPECTION. THE EXACT LOCATIONS OF ALL TREMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- 2. THE CONTRACTOR SHALL NOTE THE REQUIREMENTS FOR THE ELECTRICAL SERVICE FOR THE PROPOSED ROUMWY LIGHTING. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR TIMELY NOTIFICATION AND COORDINATION WITH THE ELECTRIC UTILITY COMPANY.
- 3. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF THE "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE DINGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.

50 FT. ALUMINUM POLE WITH 6 FT. DAVIT ARM WITH 400 WATT HPS LUMINAIRE WITH MS3 DISTRIBUTION PATTERN PROPOSED UNIT DUCT CONDUIT BORE OR PUSH BELOW ROADWAY PROPOSED ELECTRIC SERVICE INSTALLATION WITH 20 FT., CLASS 5 WOOD POLE -EXISTING SERVICE INSTALLATION -0- \square EXISTING HANDHOLE PROPOSED HANDHOLF \Box EXISTING DOUBLE HANDHOLE \boxtimes EXISTING TRAFFIC SIGNAL CONTROLLER EXISTING TRAFFIC SIGNAL MAST ARM

EXISTING SIGNAL POST

0-10

Summary of Quantities — Indiana avenue extension	I.	
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L. Sum	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	UN. FT.	75
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	LIN. FT.	50
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	2
CONCRETE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	LIN. FT.	3054
UNIT DUCT, 2 #6 XLP, 1 #6 XLP GROUND, 1" POLYETHYLENE	LIN. FT.	2355
UNIT DUCT, 2 #4 XLP, 1 #4 XLP GROUND, 1" POLYETHYLENE	UN. FT.	1049
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	UN. FT.	843
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400W		18
LIGHTING CONTROLLER, TYPE CB-RCS, 60 AMP - 480 VOLT		1
LIGHT POLE, ALUMINUM, 45 FT. M.H., 6 FT. DAVIT ARM	EACH	1
LIGHT POLE, ALUMINUM, 50 FT. M.H., 6 FT. DAVIT ARM	EACH	17
LIGHT POLE FOUNDATION	EACH	17
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	68
CONDUIT, FLEXIBLE METALLIC, WEATHERPROOF, 2"	EACH	2

	ILLINOIS DEPARTMENT OF TRANSPORTATION PERFORMANCE TABLE	LUMINARE.
	GIVEN CONDITIONS	
ROADWAY DATA:	PAVEMENT WIDTHS	66 FT
MONDHAI DAIA	NUMBER OF LANES	4
	MEDIAN WIDTH	
	IES SURFACE CLASSIFICATION	R1
	Q-ZERO VALUE	0.10
LIGHT POLE DATA:	MOUNTING HEIGHT	50 FT
	MAST ARM LENGTH	6 FT
	POLE SET-BACK FROM EDGE OF PAVEMENT	1.5 FT
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Luminaire data:		400W CLEAR HPS
	LAMP LUMENS	51,000
	IES VERTICAL DISTRIBUTION	MEDIUM
	IES CONTROL OF DISTRIBUTION	CUTOFF
	IES LATERAL DISTRIBUTION	TYPE III
	TOTAL LIGHT LOSS FACTOR	0.684
LAYOUT DATA:	SPACING	200 FT
LATOUT DATA:		SINGLE HEAD POLE MOUNT
	CONFIGURATION	SINGLE HEAD POLE MOUNT
	LUMINAIRE OVERHANG OVER EDGE	
	OF PAVEMENT LINE	4.5 FT
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THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPPRATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES POR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF MURRAY OF MEMORIAN SCHEDULES WOULD BE IMMEDIATELY NOTIFY THE UTILITY COMPANY OF MURRAY OF MU

INDIANA AVENUE EXTENSION CITY OF ALTON, IL ROADWAY LIGHTING

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