

PROJECT DESCRIPTION

THE PURPOSE OF THIS CONTRACT IS TO HAVE THE CONTRACTOR MAINTAIN THE HIGHWAY LIGHTING SYSTEM AS SHOWN ON THE LOCATION MAP OF THIS PLAN.

THE CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TESTING DEVICES, TOOLS AND SUPPLIES NECESSARY TO PERFORM THIS CONTRACT. WORK UNDER THIS CONTRACT CONSISTS OF, BUT IS NOT LIMITED TO: THE FURNISHING, TRANSPORTING AND ASSEMBLING OF REPLACEMENT MATERIALS AND DEVICES; THE REPAIR OR REPLACEMENT OF DEVICES; THE REMOVAL OF DEFECTIVE OR DAMAGED MATERIALS AND DEVICES; AND THE RESTORATION AND CLEAN-UP OF THE HIGHWAY. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE DONE IN A WORKMANSHIP LIKE MANNER, IN ACCORDANCE WITH PLANS AND SPECIFICATIONS AS SET HEREIN.

THE HIGHWAY LIGHTING COMPONENTS NOTED IN THE PROPOSED WORK ITEMS SHALL BE RESTORED AS NOTED IN THE PLANS AND STANDARD CONSTRUCTION DRAWINGS.

ALL WORK (FABRICATION / INSTALLATION) SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING:

- 2023 CONSTRUCTION AND MATERIAL SPECIFICATIONS**
- TRAFFIC ENGINEERING MANUAL (WITH CURRENT REVISIONS)**
- HIGHWAY LIGHTING STANDARD CONSTRUCTION DRAWINGS (WITH CURRENT REVISIONS)**
- INTELLIGENT TRANSPORTATION SYSTEMS STANDARD CONSTRUCTION DRAWINGS (WITH CURRENT REVISIONS)**
- MAINTENANCE OF TRAFFIC STANDARD CONSTRUCTION DRAWINGS (WITH CURRENT REVISIONS)**

CONTRACT VALUE AND CONTRACT DURATION

THE MAXIMUM CONTRACT VALUE IS \$1,500,000. THE TERM OF THE CONTRACT WILL BE FROM 10/01/26 TO 12/31/27.

WORK ORDER RESPONSE TIME

A FOUR WEEK PERIOD FROM THE TIME OF AUTHORIZATION FOR THE REPAIR OF ANY ITEM WILL BE USED AS A REQUIRED TIME FOR THE CONTRACTOR TO COMPLETE THE NECESSARY WORK, EXCEPT WORK ORDERS WHICH REQUIRE ORDERING NEW POLES AND/OR T-BASES.

ENTIRE CIRCUITS THAT ARE OUT MUST BE REPAIRED WITHIN 7 CALENDAR DAYS FROM THE DAY OF AUTHORIZATION.

PERFORMANCE DISINCENTIVES

THE CONTRACTOR SHALL COMPLETE THE WORK ORDER WITHIN THE WORK ORDER RESPONSE TIME DESIGNATED. FAILURE TO COMPLETE THE WORK PRIOR TO THE END OF THE WORK ORDER RESPONSE TIME SHALL RESULT IN ASSESSMENT OF DISINCENTIVES IN ACCORDANCE WITH THE FOLLOWING TABLE, EXCEPT WORK ORDERS WHICH REQUIRE ORDERING OF NEW POLES AND/OR T-BASES. DISINCENTIVE SHALL BE APPLIED FOR ANY PORTION OF A DAY THAT HAS EXCEEDED THE WORK ORDER RESPONSE TIME.

WORK ORDER RESPONSE TIME	TIME PERIOD	DISINCENTIVE \$ PER TIME PERIOD
7 DAYS	DAYS	\$500
4 WEEKS	DAYS	\$1,000

RESTORATION AND CLEAN UP

THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE WORK WAS STARTED PER CMS 104.04. BROKEN GLASSWARE IN THE WORK AREA SHALL BE CLEANED UP BY THE CONTRACTOR WHEN FOUND BY HIS CREWS. THE BROKEN GLASSWARE SHALL BE CLEANED BY SWEEPING THE AREA SO THAT IT IS FREE OF BROKEN GLASS. THE GLASS WHICH IS SWEEPED UP SHALL BE DISPOSED OF IN REGULAR RUBBISH DISPOSAL UNITS. ALL BROKEN CONCRETE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE RIGHT-OF-WAY. PAYMENT FOR RESTORATION WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ITEMS.

UTILITIES NOTIFICATION

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. A LIST OF UTILITIES AND OWNERS WILL BE OBTAINED BY THE CONTRACTOR WHEN AN OUPS REQUEST IS SUBMITTED. THESE UTILITY COMPANIES MAY HAVE UNDERGROUND INSTALLATIONS ALONG THE VARIOUS ROUTES AFFECTED BY THIS PROJECT. THE CONTRACTOR SHALL NOTIFY THE UTILITIES BY CALLING OUPS 48 HOURS IN ADVANCE OF THE WORK.

ENVIRONMENTAL COMMITMENTS

CONSTRUCTION OF THIS PROJECT WILL BE CONDUCTED SUCH THAT IT DOES NOT INTERFERE WITH WATERWAY TRAFFIC BETWEEN APRIL 1 AND NOVEMBER 30 OF ANY CALENDAR YEAR FOR SECTION 9 WATERWAYS (MAUMEE RIVER MOUTH UP TO I-75, LAKE ERIE, WEST HARBOR, SANDUSKY BAY, TOLEDO HARBOR, TOUSSAINT RIVER, PORT CLINTON HARBOR, AND PUT-IN BAY). DURING THIS PERIOD THE CHANNEL WILL BE OPEN TO NAVIGATION PER 33CFR117. FOR ALL IN-WATER CONSTRUCTION WORK OR WORK THAT IMPACTS NAVIGATIONAL LIGHTING, INCLUDING WORK THAT FALLS WITHIN THE DECEMBER 1 TO MARCH 31 CONSTRUCTION WINDOW, THE CONTRACTOR MUST CONTACT THE UNITED STATES COAST GUARD NINTH DISTRICT AS NOTED BELOW:

THE NINTH COAST GUARD DISTRICT WILL NEED TO BE CONTACTED PRIOR TO THE START OF WORK TO COORDINATE THE IN-WATER CONSTRUCTION. CONTACT INFO: LEE SOULE, BRIDGE PROJECT MANAGER, NINTH COAST GUARD DISTRICT PHONE: (216) 902-6085 FAX: (216) 902-6088 EMAIL: LEE.SOULE@USCG.MIL

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT ANY AND ALL MATERIAL FROM GOING OFF THE EDGE OF BRIDGE DECK(S) AND EDGE OF CULVERT(S) DURING ALL CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL IMMEDIATELY REMOVE THROUGH NON-MECHANICAL MEANS ANY MATERIAL THAT FALLS INTO THE ROADSIDE DITCHES, STREAMS, WETLANDS, OR OTHER WATERS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR WORK IN OR STORE EQUIPMENT AND/OR MATERIALS IN ANY WETLANDS, STREAMS, OR OTHER WATERS. NO WORK OR STAGING IS PERMITTED BELOW THE TOP OF BANK OF ANY STREAM AND/OR WITHIN A WETLAND.

THE CONTRACTOR SHALL NOT REMOVE ANY TREES UNDER THIS PROJECT. THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUNDS SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

ITEM 625 - NO. 10 AWG POLE AND BRACKET CABLE, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING NEW NO. 10 AWG, 600 VOLT CABLE. ALSO INCLUDED SHALL BE THE REMOVAL AND DISPOSAL OF DEFECTIVE CABLE AND ALL CONNECTIONS AND ANY TESTING REQUIRED TO RETURN LUMINAIRE TO NORMAL OPERATION.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT.

ITEM 625 - LIGHT POLE FOUNDATION, AS PER PLAN

THIS ITEM SHALL CONSIST OF A NEW FOUNDATION, PLACED ACCORDING TO CMS 625.10 AND SCD HL-20.11. IT SHALL ALSO INCLUDE REINFORCING STEEL, ANCHOR BOLTS, REROUTING OF CABLES, AND APPROVED CONNECTOR KITS.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 625 - ERECTING REUSABLE DOWNED LIGHT POLE, AS PER PLAN, CONVENTIONAL

THIS ITEM SHALL CONSIST OF ERECTING A REUSABLE DOWNED POLE (VERTICAL SUPPORT), INCLUDING THE REMOVAL OF NON-DAMAGED BRACKET ARM AND REERECTING THE NON-DAMAGED BRACKET ARM, BROKEN BOLTS, RETAPPING HOLES, REPLACING POLE CAPS, FURNISHING CONNECTOR KITS, WIRING, TESTING AND OTHER INCIDENTALS NECESSARY TO RETURN THE UNIT TO NORMAL OPERATION. RE-USE OF POLES SHALL BE AT THE ENGINEERS DISCRETION.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 625 - ERECTING REUSABLE DOWNED LIGHT POLE, AS PER PLAN, LOW MAST

THIS ITEM SHALL CONSIST OF ERECTING A REUSABLE DOWNED POLE (VERTICAL SUPPORT), INCLUDING THE REMOVAL OF NON-DAMAGED BRACKET ARM AND REERECTING THE NON-DAMAGED BRACKET ARM, BROKEN BOLTS, RETAPPING HOLES, REPLACING POLE CAPS, FURNISHING CONNECTOR KITS, WIRING, TESTING AND OTHER INCIDENTALS NECESSARY TO RETURN THE UNIT TO NORMAL OPERATION. RE-USE OF POLES SHALL BE AT THE ENGINEERS DISCRETION.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 625 - GLARE SHIELD, AS PER PLAN

THIS ITEM SHALL CONSIST OF PROVIDING AND INSTALLING A GLARE SHIELD FOR A LUMINAIRE, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL USE THE LUMINAIRE MANUFACTURERS SPECIFIED GLARE SHIELD OR AN APPROVED EQUAL FOR THE DESIGNED LUMINAIRE.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 625 - REPAIR INTEGRAL LUMINAIRE LOWERING MECHANISM OF TOWER LIGHTING FIXTURES, AS PER PLAN

THIS ITEM CONSISTS OF THE REPAIR OF A LUMINAIRE RING ASSEMBLY, A HEAD FRAME ASSEMBLY, AND THE WINCH ASSEMBLY. IF POWER CABLE REPLACEMENT IS NECESSARY, IT WILL BE PAID FOR UNDER ITS RESPECTIVE PAY ITEM.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH LOWERING MECHANISM REPAIRED.

ITEM 625 - SECONDARY SURGE PROTECTOR, AS PER PLAN, (LIGHTNING ARRESTOR) TOWER LIGHTING FIXTURE

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE SECONDARY SURGE PROTECTOR, FURNISHING AND INSTALLING A NEW (OR NON-EXISTENT) SECONDARY SURGE PROTECTOR, SQUARE D TYPE J9200-9A, OR EQUIVALENT, FOR TOWER LIGHTING FIXTURES. ALSO INCLUDED SHALL BE ANY CONNECTIONS, TESTING, AND INCIDENTALS REQUIRED TO RESTORE THE UNIT TO NORMAL OPERATION.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

ITEM 625 - LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN

IN ADDITION TO SUPPLEMENTAL SPECIFICATION 813, USE ONE OF THE FOLLOWING LUMINAIRES OR APPROVED EQUAL AS DIRECTED BY THE DISTRICT 2 TRAFFIC MAINTENANCE ENGINEER:

GE LIGHTING ERL1H 11 C5 30 GRAY GLR WITH A COLOR TEMPERATURE OF 3000K, TYPE III DISTRIBUTION AND AN AVERAGE OF 10000-13000 LUMEN PERFORMANCE.

AUTOBAHN ATBM P10 480 R3 4B 3K NR WITH A COLOR TEMPERATURE OF 3000K, TYPE III DISTRIBUTION AND AN AVERAGE OF 10000-13000 LUMEN PERFORMANCE.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE OF EACH FOR ITEM 625-LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER. ALSO INCLUDED SHALL BE THE REMOVAL AND DISPOSAL OF THE DEFECTIVE LUMINAIRE.

ITEM 625 - LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN

IN ADDITION TO SUPPLEMENTAL SPECIFICATION 813, USE ONE OF THE FOLLOWING LUMINAIRES OR APPROVED EQUAL AS DIRECTED BY THE DISTRICT 2 TRAFFIC MAINTENANCE ENGINEER:

HOLOPHANE HLMLED4 P3 30K HVOLT HGR AW WITH A COLOR TEMPERATURE OF 3000K, TYPE V DISTRIBUTION AND AN AVERAGE OF 50000-60000 LUMEN PERFORMANCE.

GE LIGHTING ERHM 03 5 60 VM 7 30 N 1 4B GRAY R WITH A COLOR TEMPERATURE OF 3000K, TYPE V DISTRIBUTION AND AN AVERAGE OF 50000-60000 LUMEN PERFORMANCE.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE OF EACH FOR ITEM 625-LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER. ALSO INCLUDED SHALL BE THE REMOVAL AND DISPOSAL OF THE DEFECTIVE LUMINAIRE.

ITEM 625 - LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN

IN ADDITION TO SUPPLEMENTAL SPECIFICATION 813, USE ONE OF THE FOLLOWING LUMINAIRES OR APPROVED EQUAL AS DIRECTED BY THE DISTRICT 2 TRAFFIC MAINTENANCE ENGINEER:

HOLOPHANE HLMLED4 P1 30K HVOLT HGR AW WITH A COLOR TEMPERATURE OF 3000K, TYPE V DISTRIBUTION AND AN AVERAGE OF 30000-31500 LUMEN PERFORMANCE.

GE LIGHTING ERHM 03 5 30 VM 7 30 N 1 4B GRAY R WITH A COLOR TEMPERATURE OF 3000K, TYPE V DISTRIBUTION AND AN AVERAGE OF 30000-31500 LUMEN PERFORMANCE.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE OF EACH FOR ITEM 625-LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER. ALSO INCLUDED SHALL BE THE REMOVAL AND DISPOSAL OF THE DEFECTIVE LUMINAIRE.

ITEM 625 - LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN

IN ADDITION TO SUPPLEMENTAL SPECIFICATION 813, USE THE FOLLOWING LUMINAIRE OR APPROVED EQUAL AS DIRECTED BY THE DISTRICT 2 TRAFFIC MAINTENANCE ENGINEER:

HOLOPHANE WCNG P3 30K T3M 480 ZT 20KV GYSDP SCRW NTR SH WCNLWG WITH AN AVERAGE OF 6000-6500 LUMEN PERFORMANCE.

NEW FLEXIBLE CONDUIT SIZED TO ACCOMMODATE 2-NO. 10 AWG CABLES AND 2-NO. 10 AWG CABLES SHALL BE SUPPLIED AS A PART OF THIS PAY ITEM TO MAKE A CONNECTION FROM THE EXISTING JUNCTION BOXES TO THE NEW UNDERPASS LED LUMINAIRES.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE OF EACH FOR ITEM 625-LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER. ALSO INCLUDED SHALL BE THE REMOVAL AND DISPOSAL OF THE DEFECTIVE LUMINAIRE.

ITEM 625 - LUMINAIRE, MISC.: LED NAVIGATIONAL LIGHT FIXTURE

IN ADDITION TO SUPPLEMENTAL SPECIFICATION 813, USE A LED NAVIGATIONAL LIGHT FIXTURE PROVIDED BY THE FOLLOWING MANUFACTURERS OR APPROVED EQUAL AS DIRECTED BY THE DISTRICT 2 TRAFFIC MAINTENANCE ENGINEER:

TIDELAND SIGNAL CORPORATION, HOUSTON, TX
B&B ROADWAY, RUSSELLVILLE, AL
PHAROS MARINER AUTOMATIC POWER, HOUSTON, TX

PAYMENT WILL BE MADE AT THE UNIT BID PRICE OF EACH FOR ITEM 625-LUMINAIRE, LUMINAIRE, MISC.: NAVIGATIONAL LIGHT FIXTURE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER. ALSO INCLUDED SHALL BE THE REMOVAL AND DISPOSAL OF THE DEFECTIVE LIGHT FIXTURE.

DESIGN AGENCY



DESIGNER
JTP


REVIEWER
DEK 07-07-26

PROJECT ID
124163

SHEET TOTAL
P.4 11

SHEET NUMBER	PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6	01/NFP					ROADWAY	
9	109	625	00450	109	EACH	CONNECTION, FUSED PULL APART	
	10	625	00460	10	EACH	CONNECTION, UNFUSED PULL APART	
	50	625	00480	50	EACH	CONNECTION, UNFUSED PERMANENT	
	17	625	02500	17	EACH	TRANSFORMER BASE, TYPE AT-A	
	15	625	02600	15	EACH	TRANSFORMER BASE, TYPE AT-C	
	30	625	02803	30	EACH	TRANSFORMER BASE, MISC.: INSTALLATION ONLY, AS PER PLAN	5
	2	625	10500	2	EACH	LIGHT POLE, MISC.: LIGHTPOLE (725.21), 30' HEIGHT (34' M.H.)	5
	5	625	10500	5	EACH	LIGHT POLE, MISC.: LIGHTPOLE (725.21), 33'-6" HEIGHT (34' M.H.)	5
	1	625	10500	1	EACH	LIGHT POLE, MISC.: LIGHTPOLE (725.21), 50' HEIGHT	5
	2	625	10500	2	EACH	LIGHT POLE, MISC.: LIGHTPOLE (725.21), VGCS, 20'-54' HEIGHT	5
	10	625	10503	10	EACH	LIGHT POLE (INSTALLATION ONLY), AS PER PLAN, CONVENTIONAL	5
	5	625	10503	5	EACH	LIGHT POLE (INSTALLATION ONLY), AS PER PLAN, LOW MAST	5
	40	625	10504	40	EACH	ERECTING REUSABLE DOWNED LIGHT POLE, CONVENTIONAL	
	10	625	10504	10	EACH	ERECTING REUSABLE DOWNED LIGHT POLE, LOW MAST	
	15	625	14501	15	EACH	LIGHT POLE FOUNDATION, AS PER PLAN	4
	15	625	18600	15	EACH	BRACKET ARM, MISC.: BRACKET ARM	5
	80	625	19101	80	EACH	BALLAST FOR TOWER LIGHT FIXTURE, AS PER PLAN	5
6,510	6,510	625	23200	6,510	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
	800	625	23201	800	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE, AS PER PLAN	5
	600	625	23401	600	FT	NO. 10 AWG POLE AND BRACKET CABLE, AS PER PLAN	4
	150	625	25300	150	FT	CONDUIT, 1-1/2", 725.04	
	150	625	25400	150	FT	CONDUIT, 2", 725.04	
	150	625	25402	150	FT	CONDUIT, 2", 725.05	
	150	625	25500	150	FT	CONDUIT, 3", 725.04	
	150	625	25502	150	FT	CONDUIT, 3", 725.05	
2,175	2,175	625	25504	2,175	FT	CONDUIT, 3", 725.051	
	10	625	25902	10	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
285	285	625	25906	285	FT	CONDUIT, JACKED OR DRILLED, 725.051, 3"	
	200	625	26253	200	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 3000K, TYPE III DISTRIBUTION, 10000-13000 LUMENS	4
	40	625	26263	40	EACH	LUMINAIRE, HIGH MAST, SOLID STATE (LED), AS PER PLAN, 3000K, TYPE V DISTRIBUTION, 50000-60000 LUMENS	4
	30	625	26273	30	EACH	LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN, 3000K, TYPE V DISTRIBUTION, 30000-31500 LUMENS	4
	15	625	27503	15	EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN, 6000-6500 LUMENS	4
	15	625	27561	15	EACH	LUMINAIRE, INSTALLATION ONLY, AS PER PLAN	5
	5	625	27600	5	EACH	LUMINAIRE, MISC.: LED NAVIGATIONAL LIGHT FIXTURE	4
	1	625	28001	1	EACH	GLARE SHIELD, AS PER PLAN	4
2,175	2,175	625	29002	2,175	FT	TRENCH, 24" DEEP	
1	1	625	31506	1	EACH	PULL BOX REMOVED AND REPLACED	
	10	625	32001	10	EACH	GROUND ROD, AS PER PLAN	5
	2	625	33100	2	EACH	CIRCUIT BREAKER, TOWER LIGHTING, 30 AMP, 480 VAC	
	1	625	34450	1	EACH	CONTROL CENTER CABINET, COMPLETE, 100 AMP	
	1	625	34450	1	EACH	CONTROL CENTER CABINET, COMPLETE, 30 AMP	
	1	625	34450	1	EACH	CONTROL CENTER CABINET, COMPLETE, 60 AMP	
	75	625	50100	75	EACH	TROUBLESHOOTING UNDERGROUND AND ABOVE GROUND CIRCUITRY PROBLEM	
	5	625	50401	5	EACH	REPAIR INTEGRAL LUMINAIRE LOWERING MECHANISM OF TOWER LIGHTING FIXTURE, AS PER PLAN	5
	10	625	50451	10	EACH	SECONDARY SURGE PROTECTOR, AS PER PLAN, (LIGHTNING ARRESTOR) TOWER LIGHTING FIXTURE	5
	2	625	70000	2	EACH	LIGHTING CONTACTOR, 100 AMP	
	2	625	70000	2	EACH	LIGHTING CONTACTOR, 60 AMP	
	1	625	75351	1	EACH	LIGHT TOWER REMOVED, AS PER PLAN	5
	325	625	98000	325	EACH	LIGHTING, MISC.: ANNUAL OPERATION AND INSPECTION OF TOWER LIGHTING DEVICES	5
	110	625	98000	110	EACH	LIGHTING, MISC.: CIRCUIT LOCATING	5
	250	625	98000	250	EACH	LIGHTING, MISC.: CONNECTOR KIT, KTK FUSE	5
	76	625	98000	76	EACH	LIGHTING, MISC.: FOUNDATION AND POLE BASE INSPECTION	5
	15	625	98000	15	EACH	LIGHTING, MISC.: PHOTOCELL, 30 AMP	5
	15	625	98000	15	EACH	LIGHTING, MISC.: PHOTOCELL, 60 AMP	5
	300	625	98000	300	EACH	LIGHTING, MISC.: VARMINT GUARD	5
	25	625	98000	25	EACH	LIGHTING, MISC.: WEATHERTIGHT TWIST LOCK POWER INLET FOR LIGHT TOWER	5
	5	632	64021	5	EACH	PEDESTAL FOUNDATION, AS PER PLAN	5

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 JTP
 REVIEWER
 DEK 07-07-26
 PROJECT ID
 124163
 SHEET TOTAL
 P.9 11

SHEET NUMBER	PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
6	01/NFP					MAINTENANCE OF TRAFFIC		
		90	614	11110	90	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	8
		250	614	13900	250	EACH	MAINTENANCE OF TRAFFIC FOR SHOULDER CLOSURE	
		2	614	18000	2	EACH	MAINTAINING TRAFFIC, MISC.: DOUBLE LANE CLOSURE	7
		2	614	18000	2	EACH	MAINTAINING TRAFFIC, MISC.: RAMP CLOSURE	7
		5	614	18000	5	EACH	MAINTAINING TRAFFIC, MISC.: ROUNDABOUT CLOSURE	7
		25	614	18000	25	EACH	MAINTAINING TRAFFIC, MISC.: SINGLE LANE CLOSURE	7
						INCIDENTALS		
		1,000	832	30000	1,000	EACH	EROSION CONTROL	
		20	624	15001	20	EACH	MOBILIZATION, AS PER PLAN, EMERGENCY RESPONSE - KNOCKDOWN ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE, CONVENTIONAL LIGHT POLE	8
		2	624	15001	2	EACH	MOBILIZATION, AS PER PLAN, EMERGENCY RESPONSE - KNOCKDOWN ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE, HIGH MAST TOWER	8
		LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	6

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

JTP

REVIEWER

DEK 07-07-26

PROJECT ID

124163

SHEET

P.10

TOTAL

11