

**SUBMITTALS**

THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AT THE PRE-CONSTRUCTION MEETING:

1. A COMPLETE SET OF ALL FORMS, SCHEDULES, AND PROCEDURES TO BE USED BY THE CONTRACTOR IN THE PERFORMANCE OF THIS CONTRACT.
2. A COMPLETE INVENTORY LIST OF THE MATERIALS THE CONTRACTOR INTENDS TO KEEP ON HAND AT ALL TIMES FOR THE DURATION OF THE CONTRACT.

**GENERAL NOTES**

THESE NOTES OUTLINE THE REQUIREMENTS AND SPECIFICATIONS WHICH SHALL BE MET WHEN PERFORMING CONTINUAL MINIMAL MAINTENANCE AND COMPLETE MAJOR MAINTENANCE SERVICE.

THE CONTRACTOR SHALL FURNISH DETAILED REPORT FORMS COVERING ALL WORK PERFORMED FOR THE DEPARTMENT. REPORTING PROCEDURES SHALL FOLLOW SPECIFICATIONS AS LISTED UNDER REPORT AND TAG PROCEDURES.

**RESTORATION AND CLEAN UP**

THE CONTRACTOR SHALL RESTORE ALL DISTRIBUTED AREAS TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE WORK WAS STARTED PER CMS 104.06. 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. THIS IS NOT TO BE CONSTRUED AS A COMPLETE LIST, BUT RATHER A DIRECTORY OF THE MOST FREQUENTLY ENCOUNTERED COMPANIES.

**DAMAGE DUE TO TRAFFIC ACCIDENTS**

KNOCKDOWNS CAUSED BY ROADWAY TRAFFIC SHALL BE REPAIRED BY THE CONTRACTOR AS AUTHORIZED BY THE ENGINEER AND BILLED TO THE DEPARTMENT UNDER MAJOR MAINTENANCE. THE CONTRACTOR SHALL, ON THE DAILY REPORT, MAKE OUT A SUMMARY OF THE ACTUAL COST OF REPAIRS BY LOCATION, SO THE STATE CAN CLAIM DAMAGES FROM THE THIRD PARTY. REIMBURSEMENT FROM THE THIRD PARTY FOR REPAIRS OR DAMAGES TO STATE PROPERTY SHALL NOT BE MADE DIRECTLY TO THE CONTRACTOR.

**ITEM 625 - REMOVE AND REERECT STANDING LIGHT POLE ON A NEW BASE, AS PER PLAN**

THIS ITEM SHALL CONSIST OF REMOVING A NON-DAMAGED POLE (VERTICAL SUPPORT) FROM A DEFECTIVE OR NON-EXISTENT BASE, AND REERECTING THE NON-DAMAGED POLE ON A NEW BASE. PAYMENT FOR A NEW ALUMINUM TRANSFORMER BASE IS NOT INCLUDED IN THIS ITEM, BUT WILL BE PAID FOR UNDER ITS RESPECTIVE PAY ITEM.

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

**ITEM 625 - LIGHTING, MINIMAL MAINTENANCE, AS PER PLAN**

THE CONTRACTOR WILL TROUBLESHOOT LOCATIONS AT THE REQUEST OF THE ENGINEER, AND DETERMINE THE CORRECTIVE ACTION NEEDED. THIS ALSO INCLUDES DISCOVERY OF NEEDED REPAIRS BY THE CONTRACTOR WHEN AT A SPECIFIC LOCATION PERFORMING OTHER PROJECT WORK. A RECOMMENDATION SHALL BE PROVIDED IN WRITING (E-MAIL ACCEPTANCE), OR BY PHONE TO THE ENGINEER WHO WILL APPROVE THE REPAIR/REPLACEMENT ACTION. MINIMAL MAINTENANCE WILL INCLUDE ROUTINE MAINTENANCE NOT SEPERATELY ITEMIZED IN THE PLAN UNDER MAJOR MAINTENANCE, SUCH AS REPLACING PARTS WHICH ARE WORN, DEFECTIVE OR MISSING TO RESTORE THE LIGHTING SYSTEM BACK TO NORMAL OPERATION. EXAMPLES OF MINIMAL MAINTENANCE REPAIRS SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:

1. LIGHTING FIXTURE LAMPS, GASKETS, HINGES, AND LATCHES. REPLACEMENT OF THE ENTIRE LUMINAIRE IS UNDER MAJOR MAINTENANCE.
2. POLE OR ARM DAMAGE, DETERIORATION, MISSING HARDWARE, OR POLE IDENTIFICATION NUMBERS. ALSO INCLUDED ARE HANDHOLE COVERS, POLE CAPS, ATTACHMENT HARDWARE, AND ADJUSTING A POLE TO THE CORRECT PLUMB POSITION. REPLACEMENT OF THE ENTIRE POLE OR ARM IS UNDER MAJOR MAINTENANCE.
3. FRANGIBLE BASE DAMAGE OR MISSING OR DAMAGED DOORS. REPLACEMENT OF THE ENTIRE FRANGIBLE BASE IS UNDER MAJOR MAINTENANCE.
4. FOUNDATIONS WITH VOIDS DUE TO EROSION SHALL BE BACKFILLED WITH ACCEPTABLE MATERIAL, SLOPED AND SEEDED.
5. FUSES THAT ARE BLOWN, DISCONNECT SWITCH ENCLOSURES AND PULL APART CONNECTORS SHALL BE REPLACED WITH THE PROPER TYPE, VOLTAGE, AND AMPERE RATING.
6. PHOTOCELLS WILL INCLUDE ADJUSTMENTS OR REPLACEMENTS.
7. GROUNDING AND LIGHTNING PROTECTION REPAIRS, EXCLUDING REPLACING AND INSTALLING A GROUND ROD, WHICH IS INCLUDED UNDER MAJOR MAINTENANCE.
8. CONTROL CENTER REPAIRS, INCLUDING REPLACEMENT OF PAD LOCKS AND KEYS. REPLACEMENT OF THE ENTIRE CONTROL CENTER IS UNDER MAJOR MAINTENANCE.

PAYMENT FOR THIS WORK WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER EACH MINIMAL MAINTENANCE REPAIR FOR WHICH WORK HAS BEEN APPROVED AND COMPLETED. THIS INCLUDES FURNISHING ALL LABOR, EQUIPMENT, MATERIAL, AND THE REMOVAL AND DISPOSAL OF MATERIAL FOR MAINTAINING AND REPAIRING THE LIGHTING SYSTEM AS DESCRIBED HEREIN FOR EACH MINIMAL MAINTENANCE REPAIR.

**HAZARDOUS MATERIALS**

NO MATERIAL FURNISHED UNDER THIS CONTRACT SHALL CONTAIN POLYCHLORINATED BIPHENYLS (PCB'S). TRANSFORMERS, BALLASTS AND CAPACITORS SHALL BE MARKED "NO PCB'S" IN ACCORDANCE WITH THE FEDERAL ENVIRONMENTAL PROTECTION AGENCY REGULATION 40 CFR 761.

**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 - LIGHTNING ROD REPAIR**

THIS ITEM SHALL CONSIST OF REPAIRING OR REPLACING THE LIGHTNING ROD AT THE TOP OF TOWER LIGHTING UNITS AS DIRECTED BY THE ENGINEER.

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

**REPORT AND TAG PROCEDURE**

THE CONTRACTOR AND/OR PROJECT MANAGER SHALL DOCUMENT ALL MINIMAL MAINTENANCE REQUIRED BY FILLING OUT A MINIMAL MAINTENANCE WORK ORDER. ALL WORK TO BE PERFORMED UNDER MAJOR MAINTENANCE SHALL BE DOCUMENTED BY FILLING OUT A MAJOR MAINTENANCE WORK ORDER.

THE CONTRACTOR'S WORK ORDER FORM WILL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THE START OF THE PROJECT. ALL FORMS SHALL BE FILLED OUT BY THE CONTRACTOR AND/OR PROJECT MANAGER IN DUPLICATE. THE ORIGINAL SHALL BE GIVEN TO THE ENGINEER FOR APPROVAL AND A COPY IS TO BE RETAINED BY THE CONTRACTOR. THESE COMPLETED WORK ORDER FORMS SHALL BE SUBMITTED TO THE ENGINEER'S REPRESENTATIVE PRIOR TO WORK COMMENCING. ONCE APPROVED THE WORK MAY COMMENCE.

NO PAYMENT WILL BE MADE UNTIL THE CONTRACTOR PROVIDES EVIDENCE THAT THE MAINTENANCE WAS PERFORMED FOR ANY GIVEN FIXTURE. A DAILY WORK LOG WOULD BE SUFFICIENT TO FULFILL THIS REQUIREMENT.

**MAJOR MAINTENANCE GENERAL**

MAJOR MAINTENANCE CONSISTS OF WORK NEEDED TO REHABILITATE OR RECONSTRUCT THE LIGHTING SYSTEM TO THE LEVEL OF ILLUMINATION AS SPECIFIED BY THE ORIGINAL CONSTRUCTION PLAN NOTE REQUIREMENTS AND/OR BY THE CONTRACT NOTES LISTED HEREIN UNDER MAJOR MAINTENANCE. THE CONTRACTOR MUST BE AUTHORIZED BY THE ENGINEER TO PERFORM THIS WORK. THIS AUTHORIZATION WILL CONSTITUTE APPROVAL TO DO THE WORK.

REMOVAL AND DISPOSAL OF DAMAGED ITEMS AND RESTORATION TO A FUNCTIONAL CONDITION SHALL BE INCIDENTAL TO ALL PAY ITEMS. ALL MATERIAL REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE STORED OFF OF THE PROJECT LIMITS.

ALL DRAWINGS AND DIAGRAMS SHALL BE KEPT CURRENT WITH NEW INSTALLATIONS, THEREBY SHOWING THE LOCATION OF TRENCH AND CABLE DUCT AND DENOTING ANY GUARDRAIL, POSTS, ETC., IN RELATION TO THE NEW INSTALLATION. THESE DRAWINGS SHALL BE FURNISHED TO THE ENGINEER.

LIGHT POLE AS USED HEREIN IS DEFINED AS THE VERTICAL SUPPORT AND ITS INCIDENTAL ATTACHMENTS EXCLUDING BRACKET ARM(S) AND FRANGIBLE BASE.

**ITEM 625 - REERECT REUSABLE DOWNED LIGHT POLE, AS PER PLAN**

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

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 - REPAIR OF 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 - LIGHT POLE FOUNDATION REPAIR, AS PER PLAN**

THIS ITEM SHALL CONSIST OF REPAIRING A LIGHT STANDARD FOUNDATION WHEN THE ANCHOR BOLTS HAVE BEEN SHEARED OFF OR BENT AND WHERE THE DAMAGE EXTENDS WITHIN 12" OF THE TOP OF THE FOUNDATION.

THE WORK INVOLVED SHALL INCLUDE REMOVAL OF THE CONCRETE FOUNDATION TO 12" BELOW THE TOP OF THE FOUNDATION, CUTTING THE DAMAGED ANCHOR BOLTS INSTALLING A THREADED COMPRESSION SLEEVE ON THE REMAINING PORTION OF THE ANCHOR BOLTS, INSERTING NEW THREADED GALVANIZED BOLTS OF THE SAME SIZE, FORMING, REPOURING THE NEW FOUNDATION, AND REPAIRING THE WIRING IN THE FOUNDATION, AS REQUIRED, INCLUDING THE REQUIRED APPROVED CONNECTOR KITS. PRE-MIX COMMERCIAL CONCRETE MAY BE USED IN LIEU OF CMS 625.06.

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

**NOTIFICATION OF ACCIDENTS AND PROPERTY DAMAGE**

THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE DEPARTMENT ANY FACILITIES OR SERIOUS INJURIES TO EITHER EMPLOYEES OF THE CONTRACTOR, ODOT EMPLOYEES OR MEMBERS OF THE PUBLIC, AND ANY EXTENSIVE DAMAGE TO PROPERTY (EXCEPT AUTOMOBILES) RESULTING FROM THE PERFORMANCE OF THE WORK IN THIS CONTRACT.

**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	ITEM EXT.	GRAND TOTAL	01/NFP/21	UNIT	DESCRIPTION	SEE SHEET NO.
<b>Minimal Maintenance</b>						
625	27600	1	1	EACH	LUMINAIRE, MISC.:360 DEGREE GREEN NAVIGATION LIGHT FIXTURE	4
625	27600	2	2	EACH	LUMINAIRE, MISC.:180 DEGREE RED NAVIGATION LIGHT FIXTURE	4
625	27600	3	3	EACH	LUMINAIRE, MISC.:CONVENTIONAL LED NAVIGATION LIGHT FIXTURE	4
625	27600	22	22	EACH	LUMINAIRE, MISC.:100 WATT HIGH PRESSURE SODIUM FIXTURE, UNDERPASS TYPE	4
625	27600	23	23	EACH	LUMINAIRE, MISC.:150 WATT HIGH PRESSURE SODIUM FIXTURE	4
625	27600	24	24	EACH	LUMINAIRE, MISC.:200 WATT HIGH PRESSURE SODIUM FIXTURE	4
625	27600	39	39	EACH	LUMINAIRE, MISC.:250 WATT HIGH PRESSURE SODIUM FIXTURE	4
625	27600	21	21	EACH	LUMINAIRE, MISC.:310 WATT HIGH PRESSURE SODIUM FIXTURE	4
625	27600	80	80	EACH	LUMINAIRE, MISC.:400 WATT HIGH PRESSURE SODIUM FIXTURE	4
625	27600	46	46	EACH	LUMINAIRE, MISC.:250 WATT DECORATIVE HIGH PRESSURE SODIUM FIXTURE	4
625	27600	5	5	EACH	LUMINAIRE, MISC.:250 WATT METAL HALIDE FIXTURE	4
625	27600	5	5	EACH	LUMINAIRE, MISC.:400 WATT METAL HALIDE FIXTURE	4
625	27600	7	7	EACH	LUMINAIRE, MISC.:200 Watt LED Fixture Type II	4
625	27600	1	1	EACH	LUMINAIRE, MISC.:200 WATT SOLID STATE (LED), OES-2-M-SC, LED	4
625	27600	1	1	EACH	LUMINAIRE, MISC.:200 WATT SOLID STATE (LED), OES-3-M-SC, LED	4
625	27600	38	38	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), IES-II, (80000 LUMENS)	4
625	27600	184	184	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), IES-III, (85000 LUMENS)	4
625	27600	35	35	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), IES-IV, (60000 LUMENS)	4
625	27600	93	93	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), IES-V, (100000 LUMENS)	4
625	27600	24	24	EACH	LUMINAIRE, MISC.:UNDERPASS, SOLID STATE (LED)	4
625	27600	36	36	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), TYPE III DISTRIBUTION, (24500 LUMENS)	4
625	27600	4	4	EACH	LUMINAIRE, MISC.:HIGH MAST, SOLID STATE (LED), TYPE V DISTRIBUTION	4
625	27600	14	14	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), TYPE A, (9252-11168 LUMENS)	4
625	27600	1	1	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), TYPE B, (11168-12336 LUMENS)	4
625	27600	7	7	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), TYPE C, (11168-15420 LUMENS)	4
625	27600	31	31	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), TYPE D, (12984-15420 LUMENS)	4
625	27551	3	3	EACH	LUMINAIRE, DECORATIVE, AS PER PLAN B	5
625	27600	2	2	EACH	LUMINAIRE, MISC.:CONVENTIONAL, SOLID STATE (LED), 250W TYPE II DISTRIBUTION	4

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
JTP

REVIEWER  
JMF 09-29-23

PROJECT ID  
116051

SHEET TOTAL  
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ITEM	ITEM EXT.	GRAND TOTAL	01/NFP/21	UNIT	DESCRIPTION	SEE SHEET NO.
625	27800	30	30	EACH	BALLAST, MISC.:HPS, 310 WATT (725.11)	5
625	27800	40	40	EACH	BALLAST, MISC.:HPS, 400 WATT (725.11)	5
625	28001	2	2	EACH	GLARE SHIELD, AS PER PLAN	4
625	29001	1000	1000	FT	TRENCH, AS PER PLAN	5
625	29901	1	1	EACH	JUNCTION BOX, AS PER PLAN	7
625	30701	5	5	EACH	PULL BOX, 725.08, 18", AS PER PLAN	5
625	30707	5	5	EACH	PULL BOX, 725.08, 24", AS PER PLAN	5
625	31507	2	2	EACH	PULL BOX REMOVED AND REPLACED, AS PER PLAN, 18" (725.08)	5
625	31507	2	2	EACH	PULL BOX REMOVED AND REPLACED, AS PER PLAN, 24"	5
625	32001	2	2	EACH	GROUND ROD, AS PER PLAN, (725.16)	5
625	33100	5	5	EACH	CIRCUIT BREAKER, TOWER LIGHTING, 30 AMP, 480 VAC	
625	34451	1	1	EACH	CONTROL CENTER CABINET, COMPLETE, AS PER PLAN, 30 AMP	6
625	34451	1	1	EACH	CONTROL CENTER CABINET, COMPLETE, AS PER PLAN, 60 AMP	6
625	34451	1	1	EACH	CONTROL CENTER CABINET, COMPLETE, AS PER PLAN, 100 AMP	6
625	35011	1	1	EACH	REMOVE AND REERECT EXISTING LIGHT POLE, AS PER PLAN	4
625	50000	20	20	EACH	REPAIRING UNDERGROUND BREAK OF CABLE IN DUCT OR CONDUIT	4
625	50100	200	200	EACH	TROUBLESHOOTING UNDERGROUND AND ABOVE GROUND CIRCUITRY PROBLEM	6
625	50401	1	1	EACH	REPAIR INTEGRAL LUMINAIRE LOWERING MECHANISM OF TOWER LIGHTING FIXTURE, AS PER PLAN	4
625	50451	1	1	EACH	SECONDARY SURGE PROTECTOR, AS PER PLAN, (LIGHTING ARRESTOR) TOWER LIGHTING FIXTURE	4
SPECIAL	62550500	1	1	EACH	EMERGENCY RESPONSE-KNOCKDOWN, ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE, HIGH MAST TOWER	7
SPECIAL	62550500	20	20	EACH	EMERGENCY RESPONSE-KNOCKDOWN, ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE, CONVENTIONAL LIGHT POLE	7
625	70001	2	2	EACH	LIGHTING CONTACTOR, AS PER PLAN, 60 AMP	6
625	70001	2	2	EACH	LIGHTING CONTACTOR, AS PER PLAN, 100 AMP	6
625	75503	1	1	EACH	PORTION OF LIGHT POLE FOUNDATION REMOVED, AS PER PLAN	5
625	98000	100	100	EACH	LIGHTING, MISC.:CIRCUIT LOCATING	5
625	98000	1	1	EACH	LIGHTING, MISC.:H-O-A SWITCH, AS PER PLAN	6
625	98000	1	1	EACH	LIGHTING, MISC.:REPAIRING UNDERGROUND BREAK OF DIRECT BURIAL CABLE	5
625	98000	1	1	EACH	LIGHTING, MISC.:DISCONNECT SWITCH, 30 AMP	6
625	98000	1	1	EACH	LIGHTING, MISC.:DISCONNECT SWITCH, 60 AMP	6
625	98000	1	1	EACH	LIGHTING, MISC.:DISCONNECT SWITCH, MATCH EXISTING	6
625	98000	1	1	EACH	LIGHTING, MISC.:PHOTOCELL TRANSFORMER, 30 AMP	7
625	98000	2	2	EACH	LIGHTING, MISC.:PHOTOCELL TRANSFORMER, 60 AMP	7
625	98000	1	1	EACH	LIGHTING, MISC.:LIGHTNING ROD REPAIR	4
625	98000	322	322	EACH	LIGHTING, MISC.:ANNUAL OPERATION AND INSPECTION OF TOWER LIGHTING DEVICES	7
625	10503	10	10	EACH	LIGHT POLE (INSTALLATION ONLY), AS PER PLAN	8
625	75351	1	1	EACH	LIGHT TOWER REMOVED, AS PER PLAN	8
<b>Erosion Control</b>						
832	30000	1000	1000	EACH	EROSION CONTROL	
<b>Maintenance of Traffic</b>						
614	11110	40	40	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	7
<b>Incidentals</b>						
614	18000	4	4	EACH	MAINTAINING TRAFFIC, MISC.: ROUNDABOUT CLOSURE	6
614	18000	50	50	EACH	MAINTAINING TRAFFIC, MISC.: SHOULDER CLOSURE	6
614	18000	24	24	EACH	MAINTAINING TRAFFIC, MISC.: SINGLE LANE CLOSURE	6
614	18000	12	12	EACH	MAINTAINING TRAFFIC, MISC.: DOUBLE LANE CLOSURE	6
614	18000	12	12	EACH	MAINTAINING TRAFFIC, MISC.: RAMP CLOSURE	6
624	15000	102	102	EACH	MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

JTP

REVIEWER

JMF 09-29-23

PROJECT ID

116051

SHEET

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TOTAL

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