

ITEM 624 - MOBILIZATION, AS PER PLAN, EMERGENCY RESPONSE - KNOCKDOWN ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE (HIGH MAST TOWER/CONVENTIONAL)

THIS ITEM SHALL CONSIST OF THE CONTRACTOR RESPONDING TO AN EMERGENCY CALL-OUT IN WHICH THE EMERGENCY OCCURS DURING NON-REGULAR WORKING HOURS. NOTIFICATION MAY BE BY THE ENGINEER, OTHER ODOT PERSONNEL, LAW ENFORCEMENT AGENCIES, OR BY THE UTILITY COMPANIES. SOME EXAMPLES OF A HAZARDOUS CONDITION THAT WOULD WARRANT AN EMERGENCY CALL-OUT OF THE CONTRACTOR WOULD BE A KNOCKDOWN THAT REQUIRED THE USE OF HEAVY EQUIPMENT TO REMOVE A POLE THAT POSES A HAZARD TO THE TRAVELING PUBLIC OR AN ACCIDENT THAT WOULD REQUIRE A MAINTENANCE CREW TO IMMEDIATELY REMOVE AND/OR SECURE HAZARDOUS ELECTRICAL CIRCUITRY. THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A SINGLE TELEPHONE NUMBER WHERE THEY CAN BE CONTACTED 24 HOURS A DAY, 7 DAYS A WEEK. THE CONTRACTOR'S RESPONSE TIME, FROM THE TIME OF NOTIFICATION UNTIL PERSONNEL ARRIVE AT THE EMERGENCY SITE, SHALL NOT EXCEED TWO (2) HOURS.

THE CONTRACTOR SHALL HAVE A MEANS OF REMOVING A HIGH MAST TOWER. (POLE HEIGHT > 100 FT) DURING AN EMERGENCY SITUATION. RENTAL EQUIPMENT MAY BE USED FOR THIS PURPOSE BUT THE TIME CONSTRAINTS STATED ABOVE SHALL NOT BE EXCEEDED. PAYMENT SHALL BE MADE AT THE CONTRACT UNIT BID PRICE OF EACH CALL OUT FOR:

ITEM 624 MOBILIZATION, AS PER PLAN, EMERGENCY RESPONSE- KNOCKDOWN ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE, HIGH MAST TOWER.

THE PAYMENT FOR ALL OTHER EMERGENCY RESPONSE/CALL OUTS SHALL BE THE CONTRACT UNIT BID PRICE OF EACH CALL OUT FOR:

ITEM 624 MOBILIZATION, AS PER PLAN, EMERGENCY RESPONSE- KNOCKDOWN ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE, CONVENTIONAL LIGHT POLE.

ITEM 625 - ANNUAL OPERATION AND INSPECTION OF TOWER LIGHTING DEVICES

THIS ITEM OF WORK SHALL CONSIST OF THE OPERATION AND INSPECTION OF EACH TOWER LIGHTING DEVICE INCLUDED IN THIS CONTRACT ON AN ANNUAL BASIS. DURING APRIL OF EACH YEAR, EACH TOWER LIGHTING FIXTURE SUPPORT RING SHALL BE LOWERED COMPLETELY TO DETERMINE IF THE LOWERING MECHANISM IS FUNCTIONING PROPERLY.

WHILE LOWERED TO GROUND WORKING LEVEL THE POWER CORD SHALL BE PLUGGED INTO THE INLET ON THE SUPPORT RING AND THE LUMINAIRES SHALL BE ENERGIZED. ALL OTHER APPURTENANCES ON THE SUPPORT RING SHALL BE INSPECTED AND REPAIRED, AS DIRECTED BY THE ENGINEER. ANY NECESSARY REPAIRS SHALL BE PAID FOR UNDER THEIR RESPECTIVE PAY ITEMS LISTED IN THE CONTRACT.

THE SUPPORT RING LATCHING MECHANISMS SHALL BE LUBRICATED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS PRIOR TO FINAL LATCHING OF THE SUPPORT RING TO THE TOP OF THE TOWER. GREASE HINGES AND ALL MOVING PARTS. ANY MINOR REPAIR PARTS NEEDED TO MAKE THE LATCHING RING MECHANISMS FULLY FUNCTIONAL SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

THE LUMINAIRE SUPPORT RING SHALL BE LEVELED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS PRIOR TO FINAL LATCHING OF THE SUPPORT RING TO THE TOP OF THE TOWER.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE IN ENSURING THAT THE SECONDARY SURGE PROTECTOR IS PRESENT IN THE TOWER AND IN GOOD WORKING ORDER. PAYMENT FOR REPLACEMENT IS PAID UNDER A SEPARATE BID ITEM IN THIS CONTRACT.

ITEM 625 - PHOTO-CELL TRANSFORMER, BY TYPE, AS PER PLAN

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE PHOTO-CELL TRANSFORMER, FURNISHING AND INSTALLING A NEW PHOTO-CELL TRANSFORMER, BY TYPE, IN AN EXISTING CONTROL CENTER, INCLUDING ALL NECESSARY WIRING, TESTING AND OTHER MISCELLANEOUS ITEMS REQUIRED TO RETURN THE CONTROL CENTER TO NORMAL OPERATION.

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

ITEM 625 - JUNCTION BOX, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING A JUNCTION BOX THAT SHOULD MATCH THE EXISTING OR AS DIRECTED BY THE ENGINEER TO ACCOMMODATE 2 INCHES RIGID STEEL CONDUIT, MOUNTED AS DIRECTED BY THE ENGINEER. ALSO INCLUDED ARE ANY EXPANSION FITTING SLEEVES, MOUNTING BRACKETS, CLAMPS, AND OR INCIDENTALS NECESSARY TO RETURN THE SYSTEM TO NORMAL OPERATION.

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

ITEM 625 - LUMINAIRE, BY TYPE, LED SOLID STATE, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NEW COMPLETE LED LUMINAIRE. ALSO INCLUDED SHALL BE THE REMOVAL, DISPOSAL, ANY CONNECTIONS, WIRING, TESTING, AND OTHER INCIDENTALS TO RESTORE THE UNIT TO NORMAL OPERATIONS. IF THIS LUMINAIRE IS REPLACING AN EXISTING UNIT, THE NEW LUMINAIRE SHALL BE THE SAME TYPE, AND HAVE THE SAME DISTRIBUTION AND LUMEN OUTPUT AS THE ORIGINAL UNIT UNLESS AN EQUAL UNIT IS APPROVED BY THE ENGINEER. IF THIS NEW COMPLETED LUMINAIRE IS REPLACING AN EXISTING UNIT OF A DIFFERENT TYPE, THE FURNISHED LED SHALL HAVE THE SAME LUMEN OUTPUT AND BE OF THE SAME TYPE LISTED BELOW, OR AN APPROVED EQUAL BY THE ENGINEER.

- AEL AUTOBAHN ATBM-x-xxx-xx-4B-xxx
- AEL AUTOBAHN ATBM-A-xxx-xx-4B-xxx
- GE EVOLVE ERS-1 ERS1x10xxX30xGRAYxxx
- GE EVOLVE ERS-2 ERS2x16xxX30xGRAYxxx
- GE ERL2 ERL2xxxxx30xGRAYLRxxx
- GE EVOLVE ERLH ERLHx 10xx30xGRAYLRxxx
- LEOTEK GREEN COBRA GCM-40H-xx-WW-xx-GY-1A-WL
- LEOTEK GREEN COBRA GCL2-60G-xx-WW-xx-GY-1A-WL
- LEOTEK GREEN COBRA GC2-96G-xx-WW-xx-GY-1A-WL

ALL CUT SHEETS FOR NEW LED INSTALLS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE ORDERING OF MATERIAL.

ITEM 625 - PULL BOX, 725.08, 32", AS PER PLAN

THIS PROPOSED 32" ROUND CONCRETE PULL BOX WITH PAD SHALL MEET THE SPECIFICATIONS SET FORTH IN ODOT STANDARD CONSTRUCTION DRAWINGS "ITS-14.11". THE LID SHALL BE MARKED "TRAFFIC" WITH RAISED LETTERS.

MEASUREMENT WILL BE MADE FOR FURNISHING AND INSTALLING OF COMPLETE FIELD PULL BOX, RING, LID, AND PAD IN PLACE, COMPLETE AND ACCEPTED BY THE ENGINEER.

IN ADDITION, TRACER WIRE SHALL BE INSTALLED PER SS 804.06 AT ALL PULL BOXES. THE TRACER WIRE SHALL BE CONNECTED TO THE LOCATE WIRE WITHIN THE MICRO-DUCT PATHWAY AND TO LOCATIONS WITH TYPE 2 COMMUNICATION CABLE MARKERS. THIS SHALL BE INCIDENTAL TO THIS PAY ITEM.

PAYMENT FOR THIS ITEM WILL BE MADE FOR EACH PULL BOX INSTALLED AT THE UNIT BID PRICE.

ITEM 633 - CONTROLLER WORK PAD, AS PER PLAN

A WORK PAD SHALL BE INSTALLED AT SPECIFIED LOCATIONS AND SHALL BE CONSTRUCTED AS SHOWN ON THE WORK ORDER. THE MAXIMUM SIZE OF THE WORK PAD SHALL BE 116 INCHES X 116 INCHES AND SHALL BE CONSTRUCTED PER ODOT SPECIFICATION 633.11 AND ITS STANDARD CONSTRUCTION DRAWING 10.11 OR 11.11. WHERE WORKPAD MEETS EXISTING STRUCTURES EXPANSION MATERIAL SHALL BE USED TO KEEP SEPARATION BETWEEN THE WORKPAD AND STRUCTURE. IN SOME LOCATIONS IT MAY NOT BE POSSIBLE FOR THE CONTRACTOR TO PLACE THE FULL SIZE WORK PAD(S) SHALL BE DETERMINED BASED ON FIELD CONDITIONS WITH THE APPROVAL OF THE ITS ENGINEER.

PAYMENT SHALL BE MADE PER EACH WORK PAD INSTALLED AND APPROVED BY THE ENGINEER.

ITEM 625 - DISCONNECT SWITCH, BY TYPE, AS PER PLAN

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE DISCONNECT SWITCH, FURNISHING AND INSTALLING A NEW DISCONNECT SWITCH, BY TYPE, IN AN EXISTING CONTROL CENTER, INCLUDING ALL NECESSARY WIRING, TESTING AND OTHER MISCELLANEOUS ITEMS REQUIRED TO RETURN THE CONTROL CENTER TO NORMAL OPERATION.

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

ITEM 625 - LIGHTING CONTACTOR, BY TYPE, AS PER PLAN

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE LIGHTING CONTACTOR, FURNISHING AND INSTALLING A NEW CONTACTOR, BY TYPE, IN AN EXISTING CONTROL CENTER, INCLUDING ALL NECESSARY WIRING, TESTING AND OTHER MISCELLANEOUS ITEMS REQUIRED TO RETURN THE CONTROL CENTER TO NORMAL OPERATION.

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

ITEM 625 - LUMINAIRE, BY TYPE, INSTALLATION OF STORED LUMINAIRES, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF INSTALLING LUMINAIRES PROVIDED TO THE CONTRACTOR BY THE OHIO DEPARTMENT OF TRANSPORTATION. THE LOCATION OF THESE INSTALLATIONS WILL BE AS DIRECTED BY THE ENGINEER.

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 HARBOUR, SANDUSKY BAY, TOLEDO HARBOR, TOUSSAINT RIVER, PORT CLINTON HARBOR, AND PUT-IN BAY). DURING THIS PERIOD THE CHANNEL WILL BE OPEN TO NAVIGATION PER THE SCHEDULE POSTED AT THE BRIDGE. 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 WILL NEED TO BE CONTACTED PRIOR TO THE START OF WORK TO COORDINATE THE IN-WATER CONSTRUCTION. CONTACT INFO: SCOT STRIFFLER, BRIDGE PROJECT MANAGER, NINTH COAST GUARD DISTRICT PHONE: (216) 902-6087 FAX: (216) 902-6088 EMAIL: SCOT.M.STRIFFLER@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 GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET. SHOULD A TREE BE A SAFETY HAZARD FOR THE TRAVELING PUBLIC, THE TREE SHOULD BE CUT AS SOON AS POSSIBLE.

DESIGN AGENCY



DESIGNER
JTP

REVIEWER
JMF 10-04-23


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
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
Erosion Control						
832	30000	1000	1000	EACH	EROSION CONTROL	
Maintenance of Traffic						
614	11110	40	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	7
Incidentals						
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	15001	35	35	EACH	MOBILIZATION, AS PER PLAN, MAJOR MAINTENANCE	
624	15001	70	70	EACH	MOBILIZATION, AS PER PLAN, MINOR MAINTENANCE	
624	10001	LS	LS		MOBILIZATION, AS PER PLAN, ANNUAL OPERATION AND INSPECTION OF TOWER LIGHTING DEVICES	7
624	15001	1	1	EACH	MOBILIZATION, AS PER PLAN, EMERGENCY RESPONSE - KNOCKDOWN ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE, HIGH MAST TOWER	7
624	15001	20	20	EACH	MOBILIZATION, AS PER PLAN, EMERGENCY RESPONSE - KNOCKDOWN ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE, CONVENTIONAL LIGHT POLE	7

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
JTP

REVIEWER
JMF

PROJECT ID
116051

SHEET TOTAL
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