

**625 - LIGHTING MISC.; CIRCUIT BREAKER, BY TYPE, TOWER LIGHTING**

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE CIRCUIT BREAKER, FURNISHING AND INSTALLING A NEW CIRCUIT BREAKER OF APPROPRIATE AMPERE, WATT AND VOLTAGE RATINGS. ALL WIRING, CONNECTIONS, TESTING AND OTHER INCIDENTALS REQUIRED TO RETURN THE UNIT TO NORMAL OPERATION SHALL BE INCLUDED IN THIS ITEM.

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

**625 - LIGHTING, MISC.; DISCONNECT SWITCH, BY TYPE,**

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 WILL BE MADE AT THE CONTRACT UNIT PRICE PER EACH.

**625 - LIGHTING, MISC.; SECONDARY SURGE PROTECTOR [LIGHTNING ARRESTOR] HIGH MAST LIGHT FIXTURE**

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE [OR NON-EXISTENT] SECONDARY SURGE PROTECTOR, FURNISHING AND INSTALLING A NEW SECONDARY SURGE PROTECTOR, FOR HIGH MAST [TOWER] FIXTURES. ALSO INCLUDED SHALL BE ANY CONNECTIONS, TESTING AND INCIDENTALS REQUIRED TO RETURN THE UNIT TO NORMAL OPERATION.

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

**625 - LIGHTING, MISC; WEATHERTIGHT TWIST LOCK POWER INLET FOR LIGHT TOWER**

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF BOTH MALE AND FEMALE ENDS OF A DEFECTIVE TWIST LOCK POWER INLET AND FURNISHING AND INSTALLING A NEW WEATHER TIGHT TWIST LOCK POWER INLET [BOTH MALE AND FEMALE ENDS] FOR AN EXISTING LIGHT TOWER. ALSO INCLUDED SHALL BE ANY CONNECTIONS, TESTING AND OTHER INCIDENTALS REQUIRED TO RETURN THE UNIT TO NORMAL OPERATION.

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

**ITEM 625 - PORTABLE WINCH DRIVE POWER UNIT**

THE CONTRACTOR SHALL SUPPLY A PORTABLE WINCH DRIVE POWER UNIT AS PER THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS SECTION 725.21.B.5.

A QUANTITY OF 1 EACH OF ITEM 625 - PORTABLE WINCH DRIVE POWER UNIT IS INCLUDED IN THE GENERAL SUMMARY FOR THIS PROJECT.

**625 - LIGHTING MISC; LAYING OUT UNDERGROUND CABLE**

THIS ITEM SHALL CONSIST OF LOCATING & MARKING THE LOCATION OF UNDERGROUND ELECTRICAL CIRCUITS OR CONDUITS. THIS ITEM SHALL BE USED AT THE DIRECTION OF THE ENGINEER WHEN THE LOCATION OF UNDERGROUND UTILITIES IS REQUIRED FOR SPECIAL PROJECTS AND AS SUPPLIED TO THE CONTRACTOR BY DISTRICT TRAFFIC (THE CONTRACTOR SHALL USE THE ONLINE LOCATOR LOGIX OUPS TICKET BROWSER FOR RECEIVING AND RESPONDING TO OUPS TICKETS AFTER MARKING). MARKING SHALL BE DONE WITHIN 48 HOURS OF RECEIVING THE TICKET. PAYMENT FOR THIS ITEM SHALL NOT BE MADE WHEN LOCATING CABLE IS REQUIRED FOR MAJOR MAINTENANCE PERFORMED UNDER THIS CONTRACT.

PAYMENT SHALL INCLUDE COST OF MANPOWER, USE OF MOTOR VEHICLES AND USE OF TEST INSTRUMENTS.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER HOUR.

**625 - LIGHT POLE [INSTALLATION ONLY], AS PER PLAN**

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DAMAGED OR DEFECTIVE LIGHT POLE AND ERECTING A REPLACEMENT. THE REPLACEMENT POLE MAY BE FURNISHED BY ODOT AND STORED AT THE ODOT OUTPOST LOCATED AT 385 N BAILEY RD, NORTH JACKSON, OHIO FOR PICK-UP BY THE CONTRACTOR. ALSO INCLUDED SHALL BE ALL WIRING, CONNECTOR KITS, POLE & BRACKET CABLE, MISCELLANEOUS HARDWARE, TESTING AND OTHER INCIDENTALS REQUIRED TO RETURN THE UNIT TO NORMAL OPERATION.

USE OF THIS ITEM SHALL BE AT THE DISCRETION OF THE ENGINEER BASED ON EACH INDIVIDUAL CIRCUMSTANCE.

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

**REMOVAL OF LUMINAIRE AND REERECTION, AS PER PLAN**

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DEFECTIVE LED LUMINAIRE UNDER WARRANTY AND INCLUDES ALL LABOR AND EQUIPMENT REQUIRED FOR THIS WORK.

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

**625 - BRACKET ARM, MISC.; INSTALLATION ONLY**

THIS ITEM SHALL CONSIST OF REMOVING AND DISPOSING OF A DAMAGED OR DEFECTIVE BRACKET ARM AND ERECTING A REPLACEMENT BRACKET ARM OF THE PROPER LENGTH & SHAPE ON A NEW OR REUSED POLE. THE REPLACEMENT BRACKET ARM WILL BE FURNISHED BY ODOT AND STORED AT THE ODOT OUTPOST LOCATED AT 385 N BAILEY RD, NORTH JACKSON, OHIO FOR PICK-UP BY THE CONTRACTOR. ALSO INCLUDED SHALL BE ALL WIRING, CONNECTIONS, MISCELLANEOUS HARDWARE, TESTING AND OTHER INCIDENTALS REQUIRED TO RETURN THE UNIT TO NORMAL OPERATION.

USE OF THIS ITEM SHALL BE AT THE DISCRETION OF THE ENGINEER BASED ON EACH INDIVIDUAL CIRCUMSTANCE.

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

**ITEM 625 - UNDERGROUND WARNING/MARKING TAPE, AS PER PLAN**

UNDERGROUND WARNING/MARKING TAPE SHALL BE IN ACCORDANCE WITH CMS 725.22 EXCEPT THE TAPE SHALL NOT BE FURNISHED WITH TRACER WIRE AND THE REQUIRED MINIMUM BREAK STRENGTH SHALL BE WAIVED.

**625 LIGHTING, MISC.; LOWERING TOWER**

THIS ITEM SHALL CONSIST OF LOWERING AND RE-ERECTING A LIGHT TOWER TO PERFORM REQUIRED MAINTENANCE. THIS ITEM SHALL BE USED AT THE DIRECTION OF THE ENGINEER WHEN LOWERING A TOWER IS NECESSARY TO CORRECT PROBLEMS WITH TANGLED CABLES, MALFUNCTIONING LATCHING MECHANISMS, OR OTHER PROBLEMS REQUIRING TOWER LOWERING

Added note about lowering tower item

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LIGHTING TOWER LOWERED

TOTAL FROM SHEET 14	FIXTURES			NUMBER OF MONTHS				PART. 01/NFP/OT	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION
	HPS	NEW LED	CURRENT LED	HPS	HPS	LED	LED						
			13				24	312	625	27700	312	FXMT	LIGHTING LUMINAIRE, MISC.: POST TOP, SOLID STATE LED 5300-8500 LUMENS
13													
25	25				24			600	625	27700	600	FXMT	LUMINAIRE, MISC.: UNDERPASS, 100W HPS FIXTURE, 725.11
2			24					48	625	27700	48	FXMT	LUMINAIRE, MISC.: TUNNEL SOLID STATE, IES III-M, 3000-3300
191	191			24				4584	625	27700	4584	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, STYLE B, TYPE II OR III, 200W HPS FIXTURE, 725.11
110	110			24				2640	625	27700	2640	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, STYLE B, TYPE II OR III, 250W HPS FIXTURE, 725.11
40	40			24				960	625	27700	960	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, STYLE C, TYPE III, 310W HPS FIXTURE 725.11
235			235				24	5640	625	27700	5640	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, SOLID STATE (LED) 115, 120, 130 OR 133 WATT
112			112				24	2688	625	27700	2688	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, SOLID STATE (LED) 204, 210 OR 215 WATT
49			49				24	1176	625	27700	1176	FXMT	LUMINAIRE, MISC.: UNDERPASS SOLID STATE (LED)
413			413				24	9912	625	27700	9912	FXMT	LUMINAIRE, MISC.: HIGH MAST SOLID STATE (LED) ASYMMETRIC
1228			1228				24	29472	625	27700	29472	FXMT	LUMINAIRE, MISC.: HIGH MAST SOLID STATE (LED) SYMMETRIC
589								589	625	98000	589	EACH	LIGHTING, MISC.: ANNUAL OPERATION AND INSPECTION OF TOWER LIGHTING DEVICES

DESIGN AGENCY



DESIGNER  
KMK

REVIEWER  
RMM 3/8/24

PROJECT ID  
115548

SHEET TOTAL  
P.12 16

SHEET NUM.

PART.

ITEM

ITEM

GRAND

UNIT

DESCRIPTION

SEE SHEET NO.

01/NFP/21

EXT

TOTAL

1

625

98000

1

EACH

LIGHTING, MISC.: LOWERING TOWER

12

Added lowering tower item

2

625

98000

2

EACH

LIGHTING, MISC.: PHOTO-CELL TRANSFORMER, 60 AMP

11

10

625

98000

10

EACH

LIGHTING, MISC.: REMOVE AND RE-ERECT STANDING LIGHTPOLE ON A NEW BASE

11

5

625

98000

5

EACH

LIGHTING, MISC.: SECONDARY SURGE PROTECTOR [LIGHTING ARRESTOR] HIGH MAST LIGHT FIXTURE

11

5

625

98000

5

EACH

LIGHTING, MISC.: WEATHERTIGHT TWIST LOCK POWER INLET FOR LIGHT TOWER

11

200

625

98000

200

EACH

LIGHTING, MISC.: LAYING OUT UNDERGROUND CABLE

11

**MAINTENANCE OF TRAFFIC**

100

614

11110

100

HOUR

LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE

**INCIDENTALS**

LS

614

11000

LS

MAINTAINING TRAFFIC

24

619

16000

24

MNTH

FIELD OFFICE, TYPE A

LS

623

10000

LS

CONSTRUCTION LAYOUT STAKES AND SURVEYING

LS

624

10000

LS

MOBILIZATION

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER  
KMK

REVIEWER  
RMM 3/8/24

PROJECT ID  
115548

SHEET TOTAL  
P.16 | 16