



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 7, 2016

SUBJECT: FAP 68 (IL 23)  
Section 13-00167-00-LS (Ottawa)  
LaSalle County  
Contract No. 87635  
Item 214  
June 10, 2016 Letting  
Addendum (A)

## NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

- 1. Replaced the Schedule of Prices.**
- 2. Revised the Table of Contents.**
- 3. Revised pages 9-17 of the Special Provisions.**
- 4. Revised sheets 1, 5, 15, 17, 19-26 & 28 of the Plans.**

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Maureen M. Addis, P.E.  
Acting Bureau Chief of Design and Environment

A handwritten signature in black ink, reading "Ted B. Walschleger P.E." with a stylized flourish at the end.

By: Ted B. Walschleger, P.E.  
Engineer of Project Management

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COUNTY NAME	CODE	DIST	SECTION NUMBER	PROJECT NUMBER	ROUTE
LASALLE	099	03	13-00167-00-LS (OTTAWA)	TE-00D3/096/000	FAP 68

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
A2002816	T-CATALPA SPEC 2	EACH	5.000	X	=	=	=
A2002916	T-CELTIS OCCID 2	EACH	4.000	X	=	=	=
A2004416	T-GINKGO BILOBA 2	EACH	4.000	X	=	=	=
A2004619	T-GLED TR-I IMP 1-3/4	EACH	4.000	X	=	=	=
A2004716	T-GLED TRI-I SM 2	EACH	3.000	X	=	=	=
A2005016	T-GYMNOCOLA DIO 2	EACH	3.000	X	=	=	=
A2007014	T-QUERC ROB FAS 1-3/4	EACH	3.000	X	=	=	=
A2008518	T-ULMUS MRTN G TREL2	EACH	5.000	X	=	=	=
A2018718	T-ULMUS CARP MO 2	EACH	3.000	X	=	=	=
A2018726	T-ULMUS CARP NH SE 2	EACH	3.000	X	=	=	=
XX007295	LIGHT UNIT A COMPLETE	EACH	20.000	X	=	=	=
XX008207	LIGHTS PEDESTRIAN	EACH	14.000	X	=	=	=
XX009104	LP F M 12BC 8" X 6'	EACH	20.000	X	=	=	=
X4401198	HMA SURF REM VAR DP	SQ YD	4,450.000	X	=	=	=
X6026050	SANITARY MANHOLE ADJ	EACH	9.000	X	=	=	=

\* Revised 6-7-16

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
X6026624	VALVE BOX ADJ SPL	EACH	15.000	X	=	=	
X7010216	TRAF CONT & PROT SPL	L SUM	1.000	X	=	=	
X7830072	GRV RCSD PVT MRKG 6	FOOT	160.000	X	=	=	
20200100	EARTH EXCAVATION	CU YD	61.000	X	=	=	
20800150	TRENCH BACKFILL	CU YD	231.000	X	=	=	
21101635	TOPSOIL F & P 9	SQ YD	356.000	X	=	=	
21101645	TOPSOIL F & P 12	SQ YD	857.000	X	=	=	
21101685	TOPSOIL F & P 24	SQ YD	312.000	X	=	=	
25200110	SODDING SALT TOLERANT	SQ YD	371.000	X	=	=	
28000510	INLET FILTERS	EACH	35.000	X	=	=	
35101600	AGG BASE CSE B 4	SQ YD	537.000	X	=	=	
40600275	BIT MATLS PR CT	POUND	1,902.000	X	=	=	
40600635	LEV BIND MM N70	TON	193.000	X	=	=	
40600982	HMA SURF REM BUTT JT	SQ YD	464.000	X	=	=	
40603315	HMA SC "C" N70	TON	386.000	X	=	=	

\*Revised 6-7-16

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
42300300	PCC DRIVEWAY PAVT 7	SQ YD	35.000 X	=	=	=	=
42400200	PC CONC SIDEWALK 5	SQ FT	4,879.000 X	=	=	=	=
42400800	DETECTABLE WARNINGS	SQ FT	465.000 X	=	=	=	=
44000100	PAVEMENT REM	SQ YD	820.000 X	=	=	=	=
44000200	DRIVE PAVEMENT REM	SQ YD	35.000 X	=	=	=	=
44000500	COMB CURB GUTTER REM	FOOT	1,119.000 X	=	=	=	=
44000600	SIDEWALK REM	SQ FT	10,356.000 X	=	=	=	=
44201765	CL D PATCH T2 10	SQ YD	90.000 X	=	=	=	=
44201769	CL D PATCH T3 10	SQ YD	65.000 X	=	=	=	=
550A0040	STORM SEW CL A 1 10	FOOT	80.000 X	=	=	=	=
550A0050	STORM SEW CL A 1 12	FOOT	80.000 X	=	=	=	=
550A0340	STORM SEW CL A 2 12	FOOT	216.000 X	=	=	=	=
550B0340	STORM SEW CL B 2 12	FOOT	165.000 X	=	=	=	=
55100400	STORM SEWER REM 10	FOOT	125.000 X	=	=	=	=
55100500	STORM SEWER REM 12	FOOT	4.000 X	=	=	=	=

\*Revised 6-7-16

FAP 68  
 13-00167-00-LS (OTTAWA)  
 LASALLE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT NUMBER - 87635

ECMS002 DTGECM03 ECMR003 PAGE 4  
 RUN DATE - 06/03/16  
 RUN TIME - 183027

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
60200105	CB TA 4 DIA T1F OL	EACH	6.000 X				
60200205	CB TA 4 DIA T1F CL	EACH	1.000 X				
60206905	CB TC T1F OL	EACH	14.000 X				
60218400	MAN TA 4 DIA T1F CL	EACH	1.000 X				
60221100	MAN TA 5 DIA T1F CL	EACH	1.000 X				
60234200	INLETS TA T1F OL	EACH	9.000 X				
60237460	INLETS TA T23F&G	EACH	1.000 X				
60255500	MAN ADJUST	EACH	8.000 X				
60260100	INLETS ADJUST	EACH	1.000 X				
60260300	INLETS ADJ NEW T1F OL	EACH	2.000 X				
60260400	INLETS ADJ NEW T1F CL	EACH	1.000 X				
60500060	REMOV INLETS	EACH	14.000 X				
60604400	COMB CC&G TB6.18	FOOT	1,521.000 X				
66900200	NON SPL WASTE DISPOS	CU YD	68.000 X				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000 X				

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT NUMBER - 87635

ECMS002 DTGECM03 ECMR003 PAGE 5  
 RUN DATE - 06/03/16  
 RUN TIME - 183027

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
66900530	SOIL DISPOSAL ANALY	EACH	3.000 X	=	=	=	=
67100100	MOBILIZATION	L SUM	1.000 X	=	=	=	=
72400710	RELOC SIGN PANEL T1	SQ FT	15.000 X	=	=	=	=
72800100	TELES STL SIN SUPPORT	FOOT	15.000 X	=	=	=	=
73100100	BASE TEL STL SIN SUPP	EACH	1.000 X	=	=	=	=
78000100	THPL PVT MK LTR & SYM	SQ FT	118.000 X	=	=	=	=
78000200	THPL PVT MK LINE 4	FOOT	696.000 X	=	=	=	=
78000400	THPL PVT MK LINE 6	FOOT	932.000 X	=	=	=	=
78000600	THPL PVT MK LINE 12	FOOT	1,297.000 X	=	=	=	=
78000650	THPL PVT MK LINE 24	FOOT	349.000 X	=	=	=	=
78003130	PREF PL PM TB LINE 6	FOOT	160.000 X	=	=	=	=
80400100	ELECT SERV INSTALL	EACH	1.000 X	=	=	=	=
81028200	UNDRGRD C GALVS 2	FOOT	600.000 X	=	=	=	=
81603090	UD 3#4#6GXLPUSE 1 1/4	FOOT	3,600.000 X	=	=	=	=
81702440	EC C XLP USE 3-1C 1/0	FOOT	285.000 X	=	=	=	=

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
82500370	LT CONT BASEM 240V200	EACH	1.000 X	=			
83600350	LP F M 11BC 8" X 6'	EACH	14.000 X	=			
89502376	REBUILD EX HANDHOLE	EACH	19.000 X	=			
				TOTAL	\$		

- NOTE:
1. EACH PAY ITEM SHOULD HAVE A UNIT PRICE AND A TOTAL PRICE.
  2. THE UNIT PRICE SHALL GOVERN IF NO TOTAL PRICE IS SHOWN OR IF THERE IS A DISCREPANCY BETWEEN THE PRODUCT OF THE UNIT PRICE MULTIPLIED BY THE QUANTITY.
  3. IF A UNIT PRICE IS OMITTED, THE TOTAL PRICE WILL BE DIVIDED BY THE QUANTITY IN ORDER TO ESTABLISH A UNIT PRICE.
  4. A BID MAY BE DECLARED UNACCEPTABLE IF NEITHER A UNIT PRICE NOR A TOTAL PRICE IS SHOWN.

\* Revised 6-7-16

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This work shall be paid for at the contract unit price each for REBUILD EXISTING HANDHOLE, which price shall be payment in full for all labor, materials, and equipment necessary to complete the work described above and as indicated on the drawings.

### **LIGHT POLE FOUNDATION, METAL, 12" BOLT CIRCLE, 8" X 6'**

**Description:** This work shall consist of furnishing and installing light pole foundations in accordance with Section 836 of the Standard Specifications.

**Materials:** Materials shall be in accordance with Article 1070.01 except as follows: The bolt circle shall be 12" and fully compatible with the light pole mounting plate. Metal foundations shall be as shown on the plans.

**Basis of Payment:** This work shall be paid for at the contract unit price per EACH for LIGHT POLE FOUNDATION, METAL, 12" BOLT CIRCLE, 8" X 6' which shall include all material and work described herein.

### **LIGHTING UNIT A, COMPLETE**

**Description:** This work consists of furnishing all materials, equipment, and labor necessary to install specialty light poles with Light-Emitting Diode (LED) luminaires, hardware and accessories as shown on the plans, in accordance with the applicable requirements of Sections 821 and 830 of the Standard Specifications, as shown on the detail drawings, and as specified herein.

**General:** The luminaire shall be assembled by and manufactured by the same Manufacturer. Quick connect/disconnect plugs shall be supplied between the discrete electrical components within the luminaire such as the driver, surge protection device, and optical assembly for easy removal. The quick connect/disconnect plugs shall be operable without the use of tools and while wearing insulated gloves. The luminaire shall be in compliance with ANSI C136.37. LED light source(s) and driver(s) shall comply with the material requirements of the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU.

**Light Poles:** Materials shall be in accordance with Article 830.02, except as noted herein.

Poles shall be galvanized fluted steel with a powdercoat finish color to match Benjamin Moore "black forest green".

The fabricated steel product surfaces shall be prepared per ASTM A123 requirements and hot-dip galvanized under these requirements by immersion in a molten bath of prime western grade zinc maintained at 840 degrees F. Flux ash shall be skimmed from the bath surface prior to immersion and extraction of the product to assure a debris free zinc coating.

All galvanized exterior surfaces visually exposed shall be coated with chip resistive epoxy resin primer to a minimum dry film thickness (DFT) of 3.0 with the minimum DFT of 6.0 mils applied to the lower 8' of the pole. Prior to application, the surfaces to be coated shall be mechanically etched by brush blasting and degassed via preheating for a minimum of one hour in a gas-fired convection oven. The epoxy resin shall be applied via electrostatic spray equipment. Intermediate coat must be energy absorptive, chip resistant and capable of achieving a rating of 10A under testing per ASTM Procedure D3170 which is based on the SAE J400 test.

The intermediate coated surfaces shall be coated with a TGIC polyester topcoat to a minimum dry film thickness of 3.0 mils. via electrostatic spray equipment. TGIC polyester topcoat must meet the requirements of AAMA 2604 for color and gloss retention.

The decorative arms for both the lower pedestrian acorn luminaires and the upper roadway pendant luminaires shall be included in the cost of the lighting unit. The arms shall be powdercoated the same finish and color as the pole.

The decorative cast iron base cover shall be included in the cost of the lighting unit. The base cover shall extend below the base plate to cover the metal foundation top plate. Said differently, the bottom of the base cover shall contact the surrounding ground surface. Anti-seize lubricant shall be used on all hardware and at all junctions between dissimilar metals. The base cover shall be powdercoated the same finish and color as the pole.

Pole and grounding mechanisms shall be UL or ETL listed.

**Pedestrian Acorn Luminaires:** The luminaires shall be 40 watt (nominal) LED luminaires. The luminaires shall be pre-approved by the City Engineer.

The luminaires shall have the following features:

- Height between 36 and 44.5 inches
- Diameter between 15.5 and 17.5 inches
- System wattage between 32 and 40 watts.
- Initial lumens be between 2,300 and 3,600.
- The driver for the luminaire shall be integral to the unit.
- **The driver shall have field adjustable 1-10 dimming with the installed setting at 30% of the initial rated lumens.**
- The housing shall be designed to ensure maximum heat dissipation and to prevent the accumulation of water, ice, dirt and debris.
- A passive cooling method with no moving or rotating parts shall be employed for heat management.
- Wiring within the electrical enclosure shall be rated at 600 V, 221 °F (105 °C) or higher.
- Acorn style with top mounted, IES type III, down lighting optics.
- Maximum B1-U3-G1 BUG rating.
- Aluminum construction with black forest green powdercoat finish that matches the light poles.
- All exposed screws or hardware shall be stainless steel, installed using anti-seize lubricant.
- Equipped with aluminum heat sink for LED driver.
- Surge protection 20kA / 10 kV according to IEEE/ANSI C62.42.2 line-ground, line-neutral, and neutral-ground
- The luminaire shall be listed for wet locations by a Nationally Recognized Testing Laboratory (NRTL) as defined by OSHA and shall be in compliance with UL 8750 and UL 1598. It shall be identified as such by the holographic UL tag/sticker on the inside of the luminaire.
- LED's shall be mounted in arrays, on circuit boards in full thermal contact with the heat sink.
- LED life rating data shall be determined in accordance with IESNA LM-80-08. The life expectancy shall be greater than or equal to 50,000 with not less than 70% lumen maintenance. This rating shall be at a minimum ambient temperature of 77 °F (25 °C).
- Acorn lens shall be UV stabilized acrylic.
- Manufacturer's warranty of 5 years from date of manufacture, but in no cases shall the warranty expire sooner than 54 months from the date of installation. Replacement shall be made when more than three LED's are not operating simultaneously.
- Color temperature shall be 3000K with a minimum of 70 CRI
- LED's and driver shall have an operating range between -40° C and +40° C
- The driver shall reduce the current to the LED module if the driver is overheating due to abnormal conditions.
- The luminaire shall be rated and wired for operation at 120V. The input voltage of the driver shall be suitable for operation over a range of 120 to 277V as required by the system operating voltage.

**Roadway Pendant Luminaire:** The luminaire shall be a 75-80 watt (nominal) LED luminaire. The luminaires shall be pre-approved by the City Engineer.

The luminaire shall have the following features:

- Height between 37.5 and 40.5 inches
- Diameter between 16.0 and 17.5 inches
- System wattage between 75 and 80 watts
- Initial lumens between 8400 and 8500
- The housing shall be designed to ensure maximum heat dissipation and to prevent the accumulation of water, ice, dirt and debris.
- A passive cooling method with no moving or rotating parts shall be employed for heat management.
- Wiring within the electrical enclosure shall be rated at 600 V, 221 °F (105 °C) or higher.
- Pendant style with top mounted, IES type III, down lighting optics.
- Maximum B3-U3-G4 BUG rating.
- Aluminum construction with black forest green powdercoat finish that matches the light poles.
- All exposed screws or hardware shall be stainless steel, installed using anti-seize lubricant.
- Equipped with aluminum heat sink for LED driver.
- Equipped with a 7-pin photocell receptacle with a shorting cap installed.
- Surge protection 20kA / 10 kV according to IEEE/ANSI C62.42.2 line-ground, line-neutral, and neutral-ground.
- The luminaire shall be listed for wet locations by a Nationally Recognized Testing Laboratory (NRTL) as defined by OSHA and shall be in compliance with UL 8750 and UL 1598. It shall be identified as such by the holographic UL tag/sticker on the inside of the luminaire.
- LED's shall be mounted in arrays, on circuit boards in full thermal contact with the heat sink.
- LED life rating data shall be determined in accordance with IESNA LM-80-08. The life expectancy shall be greater than or equal to 100,000 with not less than 70% lumen maintenance. This rating shall be at a minimum ambient temperature of 77 °F (25 °C).
- Lens shall be UV stabilized acrylic
- Manufacturer's warranty of 5 years from date of manufacture, but in no cases shall the warranty expire sooner than 54 months from the date of installation. Replacement shall be made when more than three LED's are not operating simultaneously.
- Color temperature shall be 3000K with a minimum of 70 CRI
- LED's and driver shall have an operating range between -40° C and +40° C
- The driver shall reduce the current to the LED module if the driver is overheating due to abnormal conditions.
- The luminaire shall be rated and wired for operation at 120V. The input voltage of the driver shall be suitable for operation over a range of 120 to 277V as required by the system operating voltage.

**Basis of Payment:** This work shall be paid for at the contract unit price per EACH for LIGHTING UNIT A, COMPLETE which shall include all material and work described herein.

### **LIGHTS, PEDESTRIAN**

**Description:** This work consists of furnishing all materials, equipment, and labor necessary to install specialty light poles with Light-Emitting Diode (LED) luminaires, hardware and accessories as shown on the plans, in accordance with the applicable requirements of Sections 821 and 830 of the Standard Specifications, as shown on the detail drawings, and as specified herein.

**General:** The luminaire shall be assembled by and manufactured by the same Manufacturer. Quick connect/disconnect plugs shall be supplied between the discrete electrical components within the luminaire such as the driver, surge protection device, and optical assembly for easy removal. The quick connect/disconnect plugs shall be operable without the use of tools and while wearing insulated gloves. The luminaire shall be in compliance with ANSI C136.37. LED light source(s) and driver(s) shall comply with the material requirements of the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU.

**Light Poles:** Materials shall be in accordance with Article 830.02, except as noted herein.

Poles shall be galvanized fluted steel with a powdercoat finish color to match Benjamin Moore "black forest green".

The fabricated steel product surfaces shall be prepared per ASTM A123 requirements and hot-dip galvanized under these requirements by immersion in a molten bath of prime western grade zinc maintained at 840 degrees F. Flux ash shall be skimmed from the bath surface prior to immersion and extraction of the product to assure a debris free zinc coating.

All galvanized exterior surfaces visually exposed shall be coated with chip resistive epoxy resin primer to a minimum dry film thickness (DFT) of 3.0 with the minimum DFT of 6.0 mils applied to the lower 8' of the pole. Prior to application, the surfaces to be coated shall be mechanically etched by brush blasting and degassed via preheating for a minimum of one hour in a gas-fired convection oven. The epoxy resin shall be applied via electrostatic spray equipment. Intermediate coat must be energy absorptive, chip resistant and capable of achieving a rating of 10A under testing per ASTM Procedure D3170 which is based on the SAE J400 test.

The intermediate coated surfaces shall be coated with a TGIC polyester topcoat to a minimum dry film thickness of 3.0 mils. via electrostatic spray equipment. TGIC polyester topcoat must meet the requirements of AAMA 2604 for color and gloss retention.

The decorative arms for mounting luminaires shall be included in the cost of the lighting unit. The arms shall be powdercoated the same finish and color as the pole.

The decorative cast iron base cover shall be included in the cost of the lighting unit. The base cover shall extend below the base plate to cover the metal foundation top plate. Said differently, the bottom of the base cover shall contact the surrounding ground surface. Anti-seize lubricant shall be used on all hardware and at all junctions between dissimilar metals. The base cover shall be powdercoated the same finish and color as the pole.

Pole and grounding mechanisms shall be UL or ETL listed.

**Pedestrian Acorn Luminaires:** The luminaires shall be 40 watt (nominal) LED luminaires. The luminaires shall be pre-approved by the City Engineer.

The luminaire shall have the following features:

- Height between 36 and 44.5 inches
- Diameter between 15.5 and 17.5 inches
- System wattage between 32 and 40 watts.
- Initial lumens be between 2,300 and 3,600
- The driver for the luminaire shall be integral to the unit.
- **The driver shall have field adjustable 1-10 dimming with the installed setting at 30% of the initial rated lumens.**
- The housing shall be designed to ensure maximum heat dissipation and to prevent the accumulation of water, ice, dirt and debris.
- A passive cooling method with no moving or rotating parts shall be employed for heat management.
- Wiring within the electrical enclosure shall be rated at 600 V, 221 °F (105 °C) or higher.
- Acorn style with top mounted, IES type III, down lighting optics.
- Maximum B1-U3-G1 BUG rating.
- Aluminum construction with black forest green powdercoat finish that matches the light poles.
- All exposed screws or hardware shall be stainless steel, installed using anti-seize lubricant.
- Equipped with aluminum heat sink for LED driver.

- Surge protection 20kA / 10 kV according to IEEE/ANSI C62.42.2 line-ground, line-neutral, and neutral-ground
- The luminaire shall be listed for wet locations by a Nationally Recognized Testing Laboratory (NRTL) as defined by OSHA and shall be in compliance with UL 8750 and UL 1598. It shall be identified as such by the holographic UL tag/sticker on the inside of the luminaire.
- LED's shall be mounted in arrays, on circuit boards in full thermal contact with the heat sink.
- LED life rating data shall be determined in accordance with IESNA LM-80-08. The life expectancy shall be greater than or equal to 50,000 with not less than 70% lumen maintenance. This rating shall be at a minimum ambient temperature of 77 °F (25 °C).
- Acorn lens shall be UV stabilized acrylic.
- Manufacturer's warranty of 5 years from date of manufacture, but in no cases shall the warranty expire sooner than 54 months from the date of installation. Replacement shall be made when more than three LED's are not operating simultaneously.
- Color temperature shall be 3000K with a minimum of 70 CRI
- LED's and driver shall have an operating range between -40° C and +40° C
- The driver shall reduce the current to the LED module if the driver is overheating due to abnormal conditions.
- The luminaire shall be rated and wired for operation at 120V. The input voltage of the driver shall be suitable for operation over a range of 120 to 277V as required by the system operating voltage.

**Basis of Payment:** This work shall be paid for at the contract unit price per EACH for LIGHTS, PEDESTRIAN which shall include all material and work described herein.

Project 13-290

Columbus Street Lighting and Beautification

Contract # 87635

Section No. 13-00167-00-LS

City of Ottawa

LaSalle County

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Project 13-290

Columbus Street Lighting and Beautification

Contract # 87635

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City of Ottawa

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