



Wisconsin Department of Transportation

February 27, 2018

Division of Transportation Systems Development

Bureau of Project Development
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NOTICE TO ALL CONTRACTORS:

Proposal #16: 2120-17-70
W Forest Home/S 27th St(STH24/241)
6 Connecting Highways
STH 24
Milwaukee County

2400-00-72, WISC 2018 149
W Oklahoma Avenue
S 60th Street To S 49th Street
Loc Str
Milwaukee County

Letting of March 13, 2018

This is Addendum No. 02, which provides the following: for Project ID 2400-00-72

Special Provisions:

Revised Special Provisions	
Article No.	Description
52	Luminaire Utility LED1, Item SPV.0060.304; Luminaire Utility LED 3, Item SPV.0060.305

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02
2120-17-70 & 2400-00-72
February 27, 2018

Special Provisions

52. Luminaire Utility LED 1, Item SPV.0060.304; Luminaire Utility LED 3, Item SPV.0060.305.

A Description

Furnish and install street lighting fixture in accordance with current City of Milwaukee Electrical methods as shown in Typical Installation section and National Electrical Code standards. All work shall be in accordance with section 651.

B Materials

Luminaire Utility LED 1

American Electric ATBS-G-MVOLT-R2-3K-20-P7-SH-NL-NR-AO,
Philips RoadFocus RFS-54W16LED3K-G2-R2S-UNV-DMG-API-RCD7-SP2-PH9-GY3
or approved equal.

Luminaire Utility LED 3

American Electric ATBM-H-MVOLT-R3-4B-3K-20-P7-SH-NL-NR-AO,
Philips RoadFocus RFL-160W96LED3K-G2-R3M-UNV-DMG-API-RCD7-SP2-PH9-GY3
or approved equal

TECHNICAL SPECIFICATIONS: All features below shall be incorporated into the equipment and all items shall be furnished and installed into a complete unit ready for operation.

TYPE: The LED luminaires purchased under this contract will be of American Electric ATBM series, Philips RoadFocus series, or approved equal with the above order number. The luminaires shall be designed so it can efficiently produce uniform illumination in accordance with I.E.S. Type II or Type III light distribution according to the lighting plan.

HOUSINGS: The housing and door shall be rugged, high quality, cast aluminum for maximum strength, durability and lasting beauty. All castings shall be free from pits, blowholes, or other irregularities. All edges are to be free from burrs.

Housing: The housing shall have an integral leveling pad or other suitable means for quick, easy and proper positioning of the luminaire.

Door: The door shall be hinged and easily opened for routine maintenance. All component parts shall be easily accessible with the lower housing opened. Tool-less entry is required.

Leveling: A Bubble level is to be located inside the electrical compartment for easy leveling at installation.

Hinges: Hinges shall be so constructed and designed to accurately position the door and assure a positive locking with the housing. The hinges shall be provided with a safety catch to prevent the accidental disengagement of the door during servicing.

Finish: The entire housing shall be polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process shall yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117).

Color: The luminaire shall be grey in color unless otherwise specified.

Label: For **Luminaire Utility LED 1**, There shall be a NEMA Label '1LED2' clearly visible at 30 feet in height attached to the door of the luminaire. No other label shall be on the fixture exterior.
For **Luminaire Utility LED 3**, There shall be a NEMA Label '3LED3' clearly visible at 30 feet in height attached to the door of the luminaire. No other label shall be on the fixture exterior.

In addition, the luminaire complete model number and manufacturing date shall be indicated inside the housing.

LED/OPTICAL ASSEMBLY:

The LED assembly is to be chip on board. The LED module is to be enclosed and sealed with a borosilicate Prismatic Glass optical assembly. The combination shall be NEMA IP66 rated for dust and water resistant. The L₇₀, per IES TM-21, must be greater or equal to 100,000 hours of operational time at 25 degrees Centigrade.

The color temperature is to be 3,000K CCT.

POWER SUPPLY:

The Electronic driver must have an expected life of 100,000 hours at a 25°C ambient. It is to be rated at 240 volts, 60Hz. A driver with multiple input voltages can be supplied as long as it can operate at 240 volts.

SURGE PROTECTION

A surge protector which provides a minimum of 10kV/5kA protection as per IEEE/ANSI C62.41 Category C is to be included. There shall be a visual indicator showing the surge protector is operational.

TERMINAL BLOCK: A heavy duty terminal block shall be provided which will accept wire sizes up to #6 A.W.G. The terminal block shall be compatible with either aluminum or copper wire.

MOUNTING: Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. Provide a 2 bolt clamping mechanism with 3G vibration rating per ANSI C136.

HARDWARE: All nuts, bolts, latches, etc. furnished with the luminaire shall be fabricated from stainless steel or non-ferrous materials.

PHOTOCONTROL: There is to be no photocell supplied in the housing.

WARRANTY: The contractor and/or the manufacturer warrants that goods sold hereunder will be merchantable quality, will conform to applicable specifications, drawings designs, samples or descriptions, will be free from defects in material and workmanship and will be fit for the particular purpose intended by City of Milwaukee.

- i. This warranty will remain in effect for five (5) years from date of acceptance.
- ii. Under this provision, the contractor and/or manufacturer agrees to repair or replace within a reasonable time, any part, feature or product found to be defective during the warranty period at no cost to the City.

C Construction

Install lighting fixture on the eight foot mounting bracket on the pole according to current City of Milwaukee standards. Provisions for inserting 2#12UF cable between the fixture and cable connecting point at the transformer base shall be included per City of Milwaukee standards.

D Measurement

The Department will measure this item by the each (EACH) unit of measure.

E Payment

The Department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.304	Luminaire Utility LED 1	EACH
SPV.0060.305	Luminaire Utility LED 3	EACH

Payment is full compensation for furnishing labor, equipment, coordination and all materials and incidentals necessary to complete the work.

END OF ADDENDUM