



Memo

TO: Public Works Committee
FROM: Ed Andrews, Public Works Director
DATE: August 2, 2019
SUBJECT: Overhead (OH) Roadway Lighting LED Upgrades

At the February 4th, 2019 Public Works Committee meeting, a discussion of The City of Washington and the Illinois Department of Transportation (IDOT) has 42 separate City-State Agreements along US Business Route 24 within the City limits. Specifically, the OH Lighting was at the forefront of discussion with then problems at the intersection of N. Cummings and US BR-24. Under the City-State agreement, luminaires (OH Lights) are 100% a City expense.

In late December of 2018, some of these lights were repaired by Laser Electric under IDOT's master services agreement (MSA). As the parent jurisdiction, IDOT administers repairs under that MSA and invoices the City. Laser Electric also addressed lighting issues at Freedom Parkway & McClugage and School Street & Illinois Route 8.

Follow up discussions with IDOT regarding how best to approach LED upgrades under the Ameren program found a lengthy review of suitable replacement fixtures that would meet their minimum lumen (lighting) requirements.

Discussions at the PWC of 2-4-19 lead to a budgeted undertaking LED replacement under Ameren's Energy Incentive program. This is a budgeted expenditure of \$20,000 under the Streets Fund – Purchase Traffic Signals / Street Lights with the balance absorbed under Streets miscellaneous. Laser Electric has assisted in this upfront research and been granted approval for the replacement fixtures both with IDOT and Ameren.

In consideration that Laser Electric holds the current MSA with IDOT and the applied Ameren discounts should reduce the final contract below the ILCS threshold, it is recommended to contract with Laser Electric in a not to exceed amount of **\$26,163.26** anticipating a rebate from Ameren to reduce the expenditure to \$21,981.26.

This matter has been placed on the City Council agenda of Monday, August 5th, 2019 for review and approval.

cc: File

- Commercial
- Industrial
- Residential



P.O. Box 5008 Peoria,
IL 61601 (309) 693-
2400
Fax (309) 676-7732

- 24 Hour Service -

July 30, 2019

City of Washington
301 Walnut St.
Washington, IL 61571

Attn: Ed Andrews

ELECTRICAL ESTIMATE

Laser Electric, Inc. proposes to furnish labor, material, and tools to complete the following electrical items:

Includes:

1. Removal and disposal of existing HID fixtures and lamps @ 7 locations:

- (4) at IL 8 (Washington St.) & Summit Dr.
- (4) at IL 8 (Washington St.) & School St.
- (3) at IL 8 (Peoria St.) & US 24 (McCluggage Rd.)
- (4) at US 24 (McCluggage Rd.) & Freedom Pkwy/Centennial Dr
- (2) at Business US 24 (Peoria St.) & Wilmor Rd.
- (2) at US 24 (Boyd Parkway) & N. Cummins Ln.
- (8) at Freedom Pkwy/Menards/Walmart Ent.

2. Furnish and install (27) new LED fixtures located @ 7 locations

- (4) at IL 8 (Washington St.) & Summit Dr.
- (4) at IL 8 (Washington St.) & School St.
- (3) at IL 8 (Peoria St.) & US 24 (McCluggage Rd.)
- (4) at US 24 (McCluggage Rd.) & Freedom Pkwy/Centennial Dr
- (2) at Business US 24 (Peoria St.) & Wilmor Rd.
- (2) at US 24 (Boyd Parkway) & N. Cummins Ln.
- (8) at Freedom Pkwy/Menards/Walmart Ent.

Notes:

1. Excludes any necessary repairs to poles, basic removal and replacement ONLY
2. Estimated incentive totals ONLY; Estimated incentive based on total package and is not proportionately applied. Incentive is based on reduction of existing wattage.
3. Any necessary costs to repair lighting circuitry not working properly will be billed at T&M rates
4. All Fixtures have been pre-approved by the Illinois Dept. of Transportation.
5. Estimated incentive total= \$4,182.00.
6. Installation includes all necessary adaptive bracketry required, which meet IDOT specifications.

Nineteen thousand two hundred eighty three dollars and 81/100.....\$ 26,163.26

Sixteen Thousand nine hundred and ninety six dollars and 45/100.....\$ 21,981.26

Conditions: All material is guaranteed to be as specified. All work will be completed in a workmanlike manner according to standard practices and applicable codes. Any alteration or deviation from work described that results in additional cost will be considered as extra work and is not included in this estimate. Extra work will only be performed upon written authorization. Extra cost will be invoiced at our current time and material rates unless otherwise agreed to by both parties. Our workers are fully covered by Workman's Compensations Insurance. Owner to carry all other insurance coverage. We will provide a certificate of insurance upon request.

I/We hereby accept this estimate and agree to all terms and conditions set forth. You are authorized to proceed with the completion of the work described herein. Payment will be made as outlined above.

This estimate may be withdrawn in 30 days if not accepted.



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Memo

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TO: Public Works Committee
FROM: Ed Andrews, Public Works Director
DATE: January 31, 2019
SUBJECT: Ameren Energy Incentive Overhead (OH) Roadway Lighting

The City of Washington and the Illinois Department of Transportation (IDOT) has 42 separate City-State Agreements along US Business Route 24 within the City limits. Specifically, the OH Lighting has come into recent discussion with problems at the intersection of N. Cummings and US BR-24. As shown on page 5 of the attached Agreement #24, the luminaires (OH Lights) are 100% a City expense.

In late December of 2018, some of these lights were repaired by Laser Electric under IDOT's master services agreement. As the parent jurisdiction, IDOT administers repairs and invoices the City. Laser also addressed lights at Freedom Parkway & McClugage and School Street & Illinois Route 8. Through follow up dialogue with Laser Electric, they prepared a sample estimate of LED replacement under Ameren's program at the Freedom Parkway intersection.

On Monday, January 28th ice intrusion into the controller cabinet compromised the lighting control circuit. Laser effected temporary repairs, but also mentioned that this may be an opportunity to act on the LED incentives. It is estimated that these costs would be within the acting City Administrator's authority for the replacements at Cummings & BR-24, but consideration of budgeting for LEDs systemwide in the next FY is also a consideration. These would include (1) School St & IL Rt 8, (2) Freedom Parkway & McClugage, (3) Wilmor & BR-24 and (4) Cummings & US 24.

Other City owned OH lighting would be reviewed and budgeted with RNS. These would include lights along Mt. Vernon & Constitution, the eastern leg of Freedom Parkway, BR-24 lighting from the viaduct to the Square and BR-24 lighting from Harvey to Lynn. Other OH lighting is owned by Ameren and flat rate charged to the City.

This matter has been placed on the agenda for the Public Works Committee of February 4, 2019 for review and discussion.

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