

**VILLAGE OF LOMBARD**  
**REQUEST FOR BOARD OF TRUSTEES ACTION**  
For Inclusion on Board Agenda

    X     Resolution or Ordinance (Blue)      \_\_\_\_\_ Waiver of First Requested  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Recommendations of Boards, Commissions & Committees (Green)  
Other Business (Pink)

**TO:** PRESIDENT AND BOARD OF TRUSTEES

**FROM:** Scott Niehaus, Village Manager

**DATE:** August 29, 2018 (COW) (B of T)      **Date:** September 6, 2018

**TITLE:** LED Street Light Retrofit  
MFT Funding Resolution and Municipal Estimate

**SUBMITTED BY:** Sean P. Kelly, PE, Village Engineer 

**BACKGROUND/POLICY IMPLICATIONS:**

Purchase of 478 new LED light fixtures to retrofit existing residential street lamps. Required paperwork allowing utilization of Motor Fuel Tax (MFT) funds for contracted work.

**FISCAL IMPACT/FUNDING SOURCE:**

Total Amount: \$165,000 (\$215,100 total – MFT funding + ComEd Grant)  
Project Number: ST-18-04 LED Street Light Retrofit  
Account: Motor Fuel Tax Fund: 420.730.730.75410

Review (as necessary):

Village Attorney X \_\_\_\_\_ Date \_\_\_\_\_  
Finance Director X \_\_\_\_\_ Date \_\_\_\_\_  
Village Manager X \_\_\_\_\_ Date \_\_\_\_\_

**NOTE:** All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.



**To:** Village President and Board of Trustees  
**From:** Sean P. Kelly, PE, Village Engineer  
**Through:** Carl Goldsmith, Director of Public Works *g*  
**Date:** August 29, 2018  
**Subject:** LED Street Light Retrofit  
IDOT MFT Funding Resolution & Municipal Estimate

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### **Overview**

The existing street lighting utilizes 180-watt High Pressure Sodium (HPS) bulbs. To improve the lighting and save energy, 478 fixtures will be retrofitted with new LED street lamps. The existing electrical components will be removed and replaced with 60-watt LED fixtures by October 31, 2018.

Bid specifications were sent to the Master Intergovernmental Cooperative Purchasing Agreement (MICPA) with U.S. Communities Government Purchasing Alliance. The U.S. Communities Government Purchasing Alliance is a program that affords member communities an opportunity to participate in a program whereby a service or commodity is publicly bid by a Lead Agency and the results of that competitive solicitation is available to all 90,000 public agencies. The Village used the same process for roofing projects on the Police Department, Village Hall and Public Works buildings and the TIF LED retrofit project. Graybar Electrical of Glendale Heights, Illinois submitted the winning bid to US Communities for electrical supplies and fixtures.

Based on Graybar Electric's bid, the total cost of the materials for the re-lamping project is \$215,100.00. Labor and equipment necessary for the installation/retrofit will be provided by the village. The village has received a grant from ComEd's Energy Efficiency Program in the amount of \$51,863.00 to offset the project costs, with the remaining balance of \$163,237.00 to be funded utilizing Motor Fuel Tax (MFT) funds. Based on staff's estimated energy and maintenance savings of \$35,162.26, the return on the village's investment would be 4.65 years.

### **Requested Action**

Attached please find a Resolution for Improvement by Municipality Under the Illinois Highway Code and the Municipal Estimate of Maintenance Costs. Upon approval by IDOT, these documents authorize the use of Motor Fuel Tax (MFT) funds for the purchase of the LED fixtures.

Please present this item to the Village Board at their regularly scheduled meeting on September 20, 2018. If approved, please return four (4) certified copies to Public Works Engineering of the Resolution and Expenditure/Authorization for further processing.



Resolution for Maintenance Under the Illinois Highway Code



Resolution Number	Resolution Type	Section Number
	Original	18-00000-02-GM

BE IT RESOLVED, by the President and Board of Trustees of the Village of Lombard Illinois that there is hereby appropriated the sum of One-Hundred and Sixty-Five Thousand Dollars ( \$165,000.00 )

of Motor Fuel Tax funds for the purpose of maintaining streets and highways under the applicable provisions of Illinois Highway Code from 01/01/18 to 12/31/18.

BE IT FURTHER RESOLVED, that only those operations as listed and described on the approved Estimate of Maintenance Costs, including supplemental or revised estimates approved in connection with this resolution, are eligible for maintenance with Motor Fuel Tax funds during the period as specified above.

BE IT FURTHER RESOLVED, that Village of Lombard shall submit within three months after the end of the maintenance period as stated above, to the Department of Transportation, on forms available from the Department, a certified statement showing expenditures and the balances remaining in the funds authorized for expenditure by the Department under this appropriation, and

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit four (4) certified originals of this resolution to the district office of the Department of Transportation.

I Sharon Kuderna Village Clerk in and for said Village of Lombard in the State of Illinois, and keeper of the records and files thereof, as provided by statute, do hereby certify the foregoing to be a true, perfect and complete copy of a resolution adopted by the President and Board of Trustees of Lombard at a meeting held on 09/06/18.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 6th day of September, 2018.

(SEAL)

Clerk Signature

APPROVED

Regional Engineer  
Department of Transportation

Date



**Illinois Department  
of Transportation**

**Municipal Estimate of  
Maintenance Costs**



Submission Type

Local Public Agency

County

Section Number

Beginning

Maintenance Period

Ending

Village of Lombard

DuPage

18-00000-02-GM

01/01/18

12/31/18

**Estimated Cost of Maintenance Operations**

Maintenance Operation (No. and Description)	Maint. Eng. Group	Insp. Req.	For Group I, IIA, IIB or III					Est Total Operation Cost
			Item	Unit	Quantity	Unit Price	Item Cost	
Street Lighting LED upgrades	I	N	LED retrofits	Each	478	\$450.00	\$215,100.00	\$215,100.00
							<b>Total Estimated Maintenance Operation Cost</b>	<b>\$215,100.00</b>

**Estimated Cost of Maintenance Engineering**

Preliminary Engineering	\$0.00
Engineering Inspection	\$0.00
Material Testing	\$0.00
Advertising	\$0.00
Bridge Inspections	\$0.00
<b>Total Estimated Maintenance Engineering Cost</b>	<b>\$0.00</b>

**Maintenance Program Estimated Costs**

	Estimated Cost	MFT Portion	Other Funds
Maint Oper	\$215,100.00	\$165,000.00	\$50,100.00
Maint Eng	\$0.00		
<b>Totals</b>	<b>\$215,100.00</b>	<b>\$165,000.00</b>	<b>\$50,100.00</b>
<b>Total Estimated Maintenance Cost</b>		<b>\$215,100.00</b>	

**Submitted**

Municipal Official

Date

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Title

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**Approved**

Regional Engineer  
Department of Transportation

Date

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