



AGENDA ITEM # 13B

**AGENDA ITEM EXECUTIVE SUMMARY
Village Board Meeting
October 14, 2019**

Item Title: 2019 LED Street Lighting Conversion

Staff Contact: Karen R. Young, P.E. Public Works Director

VILLAGE BOARD ACTION

Approve the purchase of LED fixtures from Amperage Electric Supply, Inc for the 2019 LED Street Light Conversion Project in the amount of \$49,515.12.

Executive Summary:

In 2017 the Village began converting roadway street lights to energy efficient LED fixtures, with a total of 461 being converted to date. The conversions were partially funded through participation in various grant programs.

The FY 2019 budget includes \$29,600 for additional street light conversion of 200-100 watt fixtures. In reviewing the work that has been completed to date there are total of 212 street light fixtures remaining to convert to LED with a combination of 86-100 watt, 104-150 watt and 25-250 watt fixtures. Pricing for the purchase of the LED fixtures and shorting caps is \$49,515.12. The increase in cost from the budget is due to the fact that most of the fixture are 150 watt and 250 watt, which are more expensive than the 100 watt fixture estimated as part of the budget.

Staff has been working with Com-Ed regarding their Energy Efficiency Program incentive program to reduce the cost of the LED project. The Village has been notified that we have been pre-approved for this program in the amount of \$16,480.80.

With the application being pre-approved we can now proceed with the purchase and installation of the LED fixtures. Amperage Electric Supply, Inc. is a local supplier of the LED lights we intend to use for the project.

Staff recommends authorization to purchase from Amperage Electric, 86-100w, 104-150w, 23-250w LED Cree cobra head fixtures, and 200 shorting caps.

Total cost:	\$49,515.12
Incentive:	\$16,480.80
Net cost:	\$33,034.32

Installation will be completed by Village staff by January 31, 2020.

Implications:

Is this item budgeted? Yes. There is \$29,600 in the FY 2019 Capital Improvement Fund Account #10917230-62240. Adequate funds are available to cover the increased costs.

Any other implications to be considered? In reviewing historic and current electric billing information for the metered locations we have generally seen a 50% reduction in the electric costs where the LED fixtures have been installed.

Attachments:

Amperage Electric Quote



ELECTRICAL SUPPLY, INC

359 W. IRVING PARK RD. | ROSELLE, IL 60172
 Main 630.894.8100 | Fax 630.894.8188
 www.amperage.com

QUOTE

0918932

CUSTOMER:

Roselle Public Works
 474 Congress Circle
 Roselle, IL 60172

SHIP TO:

Roselle Public Works
 474 Congress Circle
 Roselle, IL 60172

Order Date: 8/19/2019	Pages: Page 1 of 1
PO #: Cree Fixture Quote - Rev. 9-16	Ship Via: OUR TRUCK
Placed By: Mike Bills 708-516-8139	Salesperson: Chris Cox

Item Number / Description	Bin Location	Qty Ordered	Qty Shipped	Back Ordered
05-0065 10140 Cree Ltg RSWS-A-HT-2ME-5L-40K7-UL-GY-N 53-Watt 4,000 Type RSW Small L.E.D. Street Light		Each Price \$ 169.8000	Ext Price \$ 14,602.80	86
05-0065 10140 Cree Ltg RSWM-A-HT-2ME-9L-40K7-UL-GY-N 93-Watt 4,000K Type RSW Medium L.E.D. Street Light		Each Price \$ 238.9000	Ext Price \$ 24,845.60	104
05-0065 10140 Cree Ltg RSWL-A-HT-2ME-14L-40K7-UL-GY-N 133-Watt 4,000K Type RSW Large L.E.D. Street Light		Each Price \$ 336.2000	Ext Price \$ 7,732.60	23
07-0065 00000 Intermatic EK4536 120-277V NightFox Select L.E.D. Compatible Locking Photocontrol		Each Price \$ 11.0100	Ext Price \$ 2,334.12	212

Sub Total: 49,515.12

Order Total: \$49,515.12

Order Balance: 49,515.12

Piece Count: _____ Filled By: _____ Checked By: _____ Released By: _____

A finance charge of 1-1/2% per month, which is an annual rate of 18% will be added to all past due invoices. No returns will be accepted without an authorized, written approval. Returns are subject to a restock fee. Freight charges may apply to non-stock items.

SIGNATURE: _____ DATE: _____

PRINTED NAME: _____ COMPANY: _____