



Legislation Details (With Text)

File #: 2019-0113 **Version:** 1 **Name:** LED Street Lighting Upgrade - IDOT and Cook County Jurisdiction Roads - Proposal Award

Type: MOTION **Status:** PASSED

File created: 2/11/2019 **In control:** Board of Trustees

On agenda: 3/4/2019 **Final action:** 3/4/2019

Title: LED Street Lighting Upgrade - IDOT and Cook County Jurisdiction Roads - Proposal Award

Code sections:

Attachments: 1. 159th St LED, 2. 179th St LED, 3. LaGrange Rd LED, 4. Proposal, 5. LED Cost Comparison, 6. Amendment I - Signed

Date	Ver.	Action By	Action	Result
3/4/2019	1	Board of Trustees		
2/21/2019	1	Public Works Department	INTRODUCED TO BOARD	
2/18/2019	0	Public Works Committee	RECOMMENDED FOR APPROVAL	Pass
2/11/2019	0	Public Works Department	INTRODUCED TO COMMITTEE	

Title
LED Street Lighting Upgrade - IDOT and Cook County Jurisdiction Roads - Proposal Award

History

In 2018, the village converted approximately 2,500 village owned high pressure sodium street lights to more efficient LED technology. This LED street light conversion project was completed through an Energy Performance Contract with Control Technology & Solutions, LLC (CTS Group) of St. Louis, Missouri. This project did not include street lighting along state and county roadways such as LaGrange Road, 159th Street, 179th Street, nor did it include decorative lighting such as in the Old Orland Historic District.

Following completion of the initial street light conversion project, energy savings are guaranteed by CTS to be a minimum of \$95,519.00 annually. Additionally, the village has been approved for rebates offered through Commonwealth Edison totaling \$270,990.30.

Staff is requesting to reinvest a portion of the Commonwealth Edison rebate money for the conversion of street lighting along state and county roads to increase energy efficiency savings and continue to take advantage of rebate offerings. Proposals for design and permitting were requested from four firms for the conversion of lights along Lagrange Road, 159th Street, and 179th Street (exhibits attached). Harlem Avenue, the only remaining state road with village street lighting, is being upgraded through a separate project.

Three of the four firms submitted proposals for each of the project areas with HR Green, Inc. of New Lenox, IL abstaining. Three (3) submittals were received from; Christopher B. Burke Engineering, Ltd. (CBBEL) of Rosemont, Illinois - \$149,470; Control Technology & Solutions, LLC (CTS Group) of St. Louis, Missouri - \$122,477; and V3 Companies of Woodridge, Illinois - \$155,070. Attached is a summary sheet showing the proposed costs submitted from each firm, broken down by location.

An evaluation of the submittals and summary sheet reveal comparable services. All three proposers would provide project coordination and IDOT permitting assistance, with village staff installing the lights. An additional service offered in the proposal from CTS Group includes coordination of the Commonwealth Edison rebate process and procurement of the fixtures (except for 159th Street). The value added services from CTS Group provide an opportunity for staff to focus on other projects proposed and currently underway. A consistent fixture cost was added to each firm's proposal to ensure an apple to apples comparison.

For 159th Street, from west of Ravinia Avenue to east of Oak Park Avenue the lights are under separate municipal jurisdictions and the proposals do not include the purchase of lights. All proposals include coordination between Orland Park, Orland Hills, Tinley Park and IDOT for permitting the entire project length. Purchasing of the lights will be handled separately as it is anticipated that permitting and coordination will take longer to complete. Note that Orland Park would only purchase 129 of approximately 250 lights included in this project, with Tinley Park and Orland Hills each participating with the purchase and installation of their own lights.

For all three locations, when considering the total initial cost, experience with ComEd approval process for street lighting, and experience of on-site project manager assigned to Orland Park with a similar project, CTS Group would provide the greatest net economic value to the village.

CTS Group has worked with the village since approval by the Board in June, 2015 as the village's preferred Energy Services Company (ESCO) providing guaranteed energy savings. They initially performed an investment grade audit of village facilities recommending many reduced energy consumption upgrades and conversions at the facilities. Through their findings, CTS Group assisted the village in putting together numerous projects.

The CTS Group has been stellar in their responsiveness and assistance with previous evaluations and recommendations for other projects including Orland Park Health & Fitness Club (OPHFC) dehumidification replacement, Sportsplex gymnastics boiler replacement, Police facility humidification boiler replacement, Recreation Administration heating boilers, and SportsPlex domestic hot water upgrades and shower renovation of which the CTS Group was exceptionally patient while guiding the village through the aesthetic material selection process.

Additionally, CTS Group was exemplary in managing the village's residential LED street lighting upgrade. Their responsiveness and customer service managing this project under a very tight timeline was crucial in making this project an undeniable success.

The estimated cost from CTS Group for completing the installation of new fixtures on these projects is as follows:

Lagrange Road - \$108,795 including fixtures. Following completion, energy saving are estimated by CTS Group to be a minimum of \$ 29,953.00 annually. Current rebates offered through Commonwealth Edison would provide an additional \$45,712.00 payable to the village after installation.

159th Street - \$7,200.00 (Village to purchase fixtures separately). Following completion, energy savings are estimated by CTS Group to be a minimum of \$ 14,580.00 annually. Current rebates offered through Commonwealth Edison would provide an additional \$22,252.00 payable to the Village

after installation.

179th Street - \$6,482.00 including fixtures. Following completion, energy savings are estimated by CTS Group to be a minimum of \$1,582.00 annually. Current rebates offered through Commonwealth Edison would provide an additional \$2,415.00 payable to the Village after installation.

The initial estimates shown for these LED street lighting upgrades are made utilizing information related to the village's current 120 watt LED fixture (400 watt equivalent) purchased at a cost of \$330.00 each in 2018. Upon permit application, IDOT or Cook County may require a different model or size. An alternate fixture may carry a different cost and could affect the estimated energy savings. For budget contingency purposes, the largest anticipated LED fixture could be up to 214 watts, at a cost of \$500.00 each.

It is staffs' recommendation to accept the proposal from CTS Group of St. Louis, Missouri for all three locations totaling \$122,477.00, plus a contingency in the amount of \$60,000.00 for potential IDOT or Cook County requirements, for a total not to exceed \$182,477.00.

On February 18, 2019 this item was reviewed by the Public Works Committee and recommended for approval and referred to the Village Board of Trustees for consideration.

Financial Impact

Funding for this project is available from Commonwealth Edison rebates received following completion of the 2018 residential LED street light conversion project available in account 054-0000-471300.

Recommended Action/Motion

I move to approve waiving the bid process;

And

Approve accepting the proposal from CTS Group of St. Louis, Missouri for LED Street Lighting Upgrade- IDOT and Cook County Jurisdiction Roads for an amount not to exceed \$182,477.00 (\$122,477.00 plus \$60,000.00 contingency).