

DATE: August 15, 2017
DEPARTMENT: Transportation
REQUESTER: Randy Cerchie
TITLE: Award for Lee County DOT Roadway Lighting

I. MOTION REQUESTED

- A. Approve award of Invitation to Bid No. B170205TJM, Lee County DOT Roadway Lighting, to Consolidated Electrical Distributors, Inc., the lowest responsive, responsible bidder meeting all bid requirements, at the unit prices provided in the attached contract, for a period of one year, as approved in the department's annual adopted budget.
- B. Authorize the Chair to execute the contract documents on behalf of the Board of County Commissioners.
- C. Grant the Director of Procurement Management the authority to renegotiate and execute renewals of this contract, with County Administration approval, for up to two additional one-year periods, as approved in the department's annual adopted budget, if doing so is in the best interest of the County.

II. ITEM SUMMARY

Awards Formal Bid No. B170205JTM, Lee County DOT Roadway Lighting, to Consolidated Electrical Distributors, Inc. for use on an as-needed basis for the purchase of Light Emitting Diodes (LED) roadway light fixtures, as specified in the bid/contract documents. Total estimated annual expenditures are \$450,000.

III. BACKGROUND AND IMPLICATIONS OF ACTION

A) Board Action and Other History

Many of the existing roadway lighting fixtures throughout Lee County are over 20 years old and have outlived their normal useful life. Devices used in Florida must be on the Florida Department of Transportation (FDOT) Approved Products List in order to be in compliance with the FDOT regulations, which generally means use of LED roadway lighting fixtures. The majority of the existing lighting on County roadways is High Pressure Sodium (HPS). Without upgrading to LED, Lee County would fall behind the nation in updating from inefficient and costly HPS lighting to the more efficient LED lighting fixtures. The Department of Transportation (DOT) estimates that making the transition to LED will save the County \$220 per year, per fixture in operational costs.

On February 15, 2017, DOT submitted a request to Procurement Management to obtain bids for the project known as Lee County DOT Roadway Lighting. On the bidding deadline of May 12, 2017, Procurement Management received three bids. The bids have been reviewed by DOT, as well as Procurement Management, and it is recommended that award be made to the lowest responsive, responsible bidder meeting all bid requirements, Consolidated Electrical Distributors, Inc. Total estimated annual expenditures are \$450,000.

IV. FINANCIAL INFORMATION

A)	Current year dollar amount of item:	Estimated to spend \$450,000
B)	Is this item approved in the current budget?	Yes
C)	Is this a revenue or expense item?	Expense
D)	Is this Discretionary or Mandatory?	Discretionary
E)	Will this item impact future budgets? If yes, please include reasons in III(D) above.	Yes
F)	Fund: Transportation Capital Improvement Program: DOT Major Maintenance Project: Roadway Lighting Upgrade Account Strings: 40608030700	
G)	Fund Type?	Other Transportation Capital Improvement
H)	Comments:	

V. RECOMMENDATION

Approve

VI. TIMING/IMPLEMENTATION

DOT's Major Maintenance Program includes \$450,000 to convert County maintained street lights from the more expensive HPS light bulbs to LED light fixtures. HPS bulbs require replacement every one to two years while the LED fixtures only need to be replaced approximately every 10 years. Likewise, the HPS consumes 54% more energy per fixture than the LED. By comparison, replacing the outdated HPS fixtures with LED fixtures will save the County approximately \$220 per fixture per year. The County owns approximately 5,300 street lights, and DOT intends to have all of the street lights replaced with LED in less than 10 years.

VII. FOLLOW UP

This bid award represents the first year of what is currently approved as a five-year project to replace approximately half of the HPS light fixtures in the County from with LED bulbs. Should the project prove to be a success, DOT will consider expanding the project to replace all HPS fixtures with the more efficient LED fixtures.

ATTACHMENTS:

Description	Upload Date	Type
Bid Tabulation	7/28/2017	Backup Material
Proposed Contract	7/28/2017	Contract

REVIEWERS:

Department	Reviewer	Action	Date
Transportation	Turner, Nicole	Approved	7/28/2017 - 1:07 PM
Transportation	Cerchie, Randy	Approved	7/28/2017 - 3:17 PM
Budget Services	Borman, Lori	Approved	7/31/2017 - 7:16 AM
Budget Services	Winton, Peter	Approved	7/31/2017 - 9:04 AM
County Attorney	Lira, Louis C.	Approved	8/1/2017 - 4:31 PM
County Manager	Meurer, Doug	Approved	8/3/2017 - 11:19 AM