

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: March 23, 2015
	Agenda Item No. 33C Roll Call No. <u>15-514</u> Communication No. <u>15-133</u> Submitted by: Benjamin R. Page, Park and Recreation Director

AGENDA HEADING:

Approving bid from Baker Electric, 111 SW Jackson, Des Moines, IA 50315, Don Stockton, Executive Vice-President, for the provision of installing new LED lighting on four (4) bridges.

SYNOPSIS:

Recommend approval of the installation of LED bridge lighting on four (4) bridges.

- George Washington Carver Bridge - \$32,305;
- East 6th Street Pedestrian Bridget in vicinity of Botanical Center across I-235 - \$30,125;
- 40th Street Pedestrian Bridge across I-235- \$33,965; and
- 44th Street Pedestrian Bridget in vicinity of Roosevelt High School across I-235 - \$25,740.

FISCAL IMPACT:

Amount: \$122,135.00

Funding Source: C034PK99/BL110, Capital Improvement Program (CIP)/Energy Conservation

ADDITIONAL INFORMATION:

On March 6, 2015 the City of Des Moines Procurement Department solicited bids by advertisement and mailing bids to 10 potential bidders, with bids received from the following three (3) companies:

- Baker Electric - \$122,135;
- Cox Electric - \$125,370; and
- Biermann Electric - \$205,228.

As the City moves forward in its efforts to be more sustainable, opportunities are always being sought to improve the energy efficiency of City facilities. Currently many of the lights on the four (4) bridges are burned out and in need of replacement. The Parks and Recreation Department is recommending that the lighting on the iconic arches of these bridges be converted to LED lights. The following bridges will be included in this project:

- George Washington Carver Bridge;
- East 6th Street Pedestrian Bridge in the vicinity of the Botanical Center across I-235;
- 40th Street Pedestrian Bridge across I-235; and
- 44th Street Pedestrian Bridge in vicinity of Roosevelt High School across I-235.

Installation of the new LED lights will have the following benefits:

- Power consumption savings of over 65% per bridge;

- 100,000 hour calculated life expectancy (existing lamps have a 10,000-20,000 hour rated life expectancy);
- A hinged base that will allow maintenance personnel to easy access the fixtures from a safe location on the bridge;
- A more complete spectrum of white light that will produce a more vibrant blue;
- More evenly illuminate the bridge providing a visually pleasing appearance; and
- Superior controllability and will eliminate light trespassing onto surrounding properties.

PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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