



Legislation Text

File #: 20-999, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Cooperative Procurement 20-327, LED Light Fixture Conversion, to Graybar, Inc. and Wesco Distribution for an amount not to exceed \$510,091.50

DEPARTMENT: Department of Public Works

SUBMITTED BY: Richard Dublinski, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Department of Public Works (DPW) established CIP SL137, Citywide LED Street Lighting Conversion, to fund the replacement of all existing streetlights with light-emitting diode (LED) fixtures. The project improves visibility and safety, reduces light pollution and environmental impact through energy reduction, and provides the City with maintenance and re-lamping fee savings. The project is estimated to save \$4.56 million over ten years with the payback starting after six years.

The LED conversion project began in 2015 and was divided into three phases. The first phase replaced 1,727 fixtures on arterial streets and was completed in April 2015 at a cost of \$590,725. The second phase replaced 6,930 residential street lights and was completed in March 2016 at a cost of \$1,525,589.

The final phase began in early 2017 and involves the upgrade of 2,843 specialty streetlights, which include Salem-post tops, Shepherd Crook and parking lot and roadway lighting fixtures. Establishing appropriate fixtures for specialty streetlights is more complicated than prior conversions due to the variety of fixture types and styles. Engineering work to identify suitable LED replacements was completed in 2017, and included evaluation of several LED options along with surveying residents regarding decorative street light fixture preferences.

DPW also established SL125, Capital Upgrade/Replacement of Street Lighting Systems, to fund the upgrade and replacement of concrete street light poles and deteriorated poles with city standard aluminum poles, street light controllers, and to install new uniduct to create a more reliable streetlighting system.

DISCUSSION:

This phase of the LED light fixture conversion project will replace existing high intensity discharge (HID) fixtures with LED fixtures on approximately 250 of the 2,843 decorative street lights, including Salem-post tops and other specialty street lighting. In addition, as part of SL125, this phase of the

project will replace and upgrade deteriorated poles in the downtown. To increase efficiency of installation, the poles will be replaced at the same time as having the new fixture installed in the downtown area.

DPW staff has identified the following fixtures for replacement throughout the City:

- Shepherd Crook fixtures and poles for a portion of the downtown area
- Post Top Salem fixtures in various neighborhoods
- Uncaged Acorn fixtures in the historical district

The new replacement fixtures will last significantly longer than existing fixtures and include a ten-year warranty.

After identifying appropriate fixtures and poles for each specialty streetlight, DPW researched existing cooperative contracts from which to purchase the fixtures. Cooperative pricing is discounted from regular pricing through a competitive bidding process.

The LED lighting fixtures are available through two approved national cooperatives:

- OMNIA Partners Cooperative Contract EV2370 through Graybar, Inc.; and
- National Purchasing Partners Gov (NPPGov) Contract PS20160 through Wesco Distribution.

DPW will coordinate installation of the fixtures and poles with the Electric Utility, which are anticipated to be installed in early 2021. The remaining specialty fixtures will be completed over the course of the next several years depending on funding.

FISCAL IMPACT:

CIP #: SL137, LED Street Lighting Conversion

SL125, Capital Upgrade/Replacement of Street Lighting Systems

LED light fixture conversions are expensed to the infrastructure accounts listed below, as part of the capital improvement program. A total of \$300,000 is budgeted for SL137, LED Street Lighting Conversion, in 2020. In addition, a total of \$125,000 is budgeted for SL125, Capital Upgrade/Replacement of Street Lighting Systems, in 2020. The requested award of \$510,091.50 is within the budgeted amount for this expense, as several of the items will not be purchased until 2021.

Account Number	Fund Description	Total Budget Amount
31252300-551502	Capital Projects Fund	\$425,000