



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: DECEMBER 13, 2021

SUBJECT: **BID NO. RPU-7810 FOR THE CITYWIDE LIGHT EMITTING DIODE CONVERSION PROJECT, PHASE 1, WITH SASCO, IN THE AMOUNT OF \$3,884,790; CONTRACT CONTINGENCY OF 10% IN THE AMOUNT OF \$388,479; ADDITIONAL FUNDING IN THE AMOUNT OF \$312,572 FOR WORK ORDER NO. 1916742 FOR A REVISED TOTAL CAPITAL EXPENDITURE OF \$8,872,572**

ISSUES:

Consider awarding Bid No. RPU-7810 to SASCO of Fullerton, California for the Citywide Light Emitting Diode Conversion Project Phase 1, in the amount of \$3,884,790; approve a 10% change order authority in the amount of \$388,479 for the SASCO construction contract; and increase Work Order No. 1916742 by \$312,572 for a total capital expenditure of \$8,872,572.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award Bid No. RPU-7810 to SASCO of Fullerton, California, in the amount of \$3,884,790 for the Citywide LED Conversion Project Phase 1;
2. Authorize the City Manager, or designee, to issue change orders in an amount not to exceed 10% of the amount of the SASCO construction contract, which is \$388,479;
3. Approve the additional expenditure for Work Order No. 1916742 of \$312,572, for a revised total capital expenditure of \$8,872,572; and
4. Authorize the City Manager, or designee, to execute any documents necessary to effectuate the project described herein, as well as the ability to make minor non-substantive changes in alignment with all purchasing policies.

BACKGROUND:

On July 25, 2016, the Board of Public Utilities (Board) recommended that the City Council approve: (1) Work Order No. 1611216 in the amount of \$1,150,000 for the development of a Citywide Streetlight LED Conversion Program; (2) the Professional Services Agreement with Design Services Inc., dba Benya Burnett Consultancy of Davis, California, for the development of a Citywide Streetlight LED Conversion Program in the amount of \$855,290; (3) the Permissible Use of Greenhouse Gas Allowance Value And Proceeds Policy; (4) Authorize the City Manager,

or his designee, to make changes to the Policy in accordance with the goals of Assembly Bill 32, as enacted in 2006, for the benefit of Riverside's retail electric ratepayers; and (5) Authorize the City Manager, or his designee, to attest and file the annual Electric Distribution Utility Use of Allocated Allowance Form to the California Air Resources Board. The City Council unanimously approved this item on September 6, 2016.

On December 10, 2018, the Board approved, and recommended that the City Council adopt, the Street Light Program and Policies Update and Design Guide.

On February 5, 2019, the City Council unanimously adopted the Street Light Program and Policies update and Design Guide.

On June 24, 2019, the Board awarded Bid No. RPU-7643 for LED Luminaires to SolarMax LED, Inc., of Riverside, California in the amount of \$4,102,303.30. The Board also approved Work Order No. 1916742 for the Phase 1 LED Conversion of 27,000 Street Lights and Intersection Safety Lights in the amount of \$8,560,000, with the intent for staff to return to Board to award future RPU Bid proposals from qualified electrical contractors.

DISCUSSION:

The Citywide LED Conversion Project, Phase 1, will convert approximately 27,000 high pressure sodium (HPS) cobra head style luminaires mounted on existing street light poles, mast arms on poles, and intersection safety light structures to LED cobra head style luminaires. The LED Luminaires have been procured by the City and will be supplied to the contractor for installation. The conversion project was designed to meet Illuminating Engineering Society recommended practices (RP-8-18) and the City of Riverside Street Lighting Design Guide which defines the LED Cobra Head Luminaire color, lighting level, and beam shape.



Existing lighting from HPS source (from surveillance camera)

Pilot Project



New LED Lighting (from surveillance camera)

Bid No. RPU-7810

Bid No. RPU-7810 was posted on the City's Online Bid System on September 7, 2021 and closed October 5, 2021. Six vendors submitted bids for the project. Staff evaluated the bids and deemed SASCO, of Fullerton, California, to be the lowest responsive and responsible bidder. The bid was within the engineer's total estimated amount of \$5,900,000. The bids are summarized in the table below:

Rank	Vendors	Location	Bid Amount
1	SASCO	Fullerton, CA	\$3,884,790
2	Siemens Mobility, Inc.	Riverside, CA	\$4,564,345
3	Sierra Pacific Electrical	Jurupa Valley, CA	\$4,587,500
4	Elecnor Belco Electric, Inc.	Chino, CA	\$5,450,514
5	Asplundh Construction, LLC	Anaheim, CA	\$6,783,736
6	E.E. Electric, Inc.	Jurupa Valley, CA	\$9,970,454
➤	<i>Engineer's Estimate</i>		\$5,900,000

The project and fiscal breakdown is as follows:

Project and Fiscal Breakdown				
Work Type	Performed By:	6/24/2019 Approved Original Amount (\$)	12/13/2013 Revised Amount (\$)	Increased Amount (\$)
LED Luminaires (with 8.75% sales tax)	SolarMax LED, Inc.	\$4,102,303	\$4,102,303	\$0
Project Management and Inspection	Consultant and City Staff	\$497,000	\$497,000	\$0
Construction Contract	Contractor (SASCO)	\$3,600,697	\$3,884,790	\$284,093
Construction Contract Contingency (10%)	Contractor (SASCO)	\$360,000	\$388,479	\$28,479
Work Order Total:		\$8,560,000	\$8,872,572	\$312,572
Anticipated Start Date:				January 2022
Anticipated Duration:				6-7 Months

The Purchasing Manager concurs that the recommended actions are in compliance with Purchasing Resolution No. 23256.

The Interim Public Works Director concurs with the recommendations in this report.

STRATEGIC PLAN ALIGNMENT:

This item contributes to Strategic Priority No. 6 Infrastructure, Mobility and Connectivity and the following goals

- Goal 6.2 to maintain, protect, and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity; and
- Goal 6.4 to incorporate Smart City strategies into the planning and development of local infrastructure projects.

This item aligns with EACH of the five Cross-Cutting Threads as follows:

1. **Community Trust** – The Citywide LED upgrade will serve the public interest by improving pedestrian and general safety lighting in the City, resulting in greater public good.
2. **Equity** – The Citywide LED upgrade supports an equitable distribution of lighting upgrade services throughout the City to ensure every member of the community has access to share in the benefits of community progress.
3. **Fiscal Responsibility** – The Citywide LED Conversion Program represents fiscal responsibility through the selection of the lowest project bid and effectively utilizing funding designated for the project.
4. **Innovation** – The City is committed to identifying creative solutions to meet the needs of our community members effectively and efficiently. The LED upgrade provides energy efficiency technology, innovative infrastructure improvements, and adaptive processes.

5. **Sustainability & Resiliency** – Riverside Public Utilities is meeting the community's changing needs and preparing for the goals set by the City to achieve carbon neutrality by 2040. The City of Riverside is actively adapting to the lighting industry's technology advances.

FISCAL IMPACT:

The total fiscal impact for the construction contract award from Bid No. 7810 is \$4,273,269; \$3,884,790 plus the 10% change order authority of \$388,479. The total fiscal capital expenditure for Work Order No. 1916742 is \$312,572 for a revised work order total of \$8,872,572. Sufficient funds are available in Public Utilities Major Street Light Projects Account No. 6130200-470637.

Prepared by: Daniel E. Garcia, Utilities Deputy General Manager

Approved by: Todd M. Corbin, Utilities General Manager

Approved by: Kris Martinez, Interim Assistant City Manager

Approved as to form: Phaedra A. Norton, City Attorney

Certifies availability
of funds: Edward Enriquez, Chief Financial Officer/City Treasurer

Attachments:

1. Project Site Map
2. June 24, 2019 Board Memo
3. Bid Award Recommendation
4. Presentation