

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: DECEMBER 09, 2019

ITEM NO: 4

SUBJECT: **STREETLIGHT INSTALLATION, ELECTRIC FACILITIES RELOCATION, AND FIBER INFRASTRUCTURE INSTALLATION COMPONENTS OF PUBLIC WORKS BID NO. 7631 FOR MAGNOLIA AVENUE STREET IMPROVEMENTS PROJECT WITH ALL AMERICAN ASPHALT, IN THE AMOUNT OF \$1,177,613.20 AND WORK ORDER NO. 1807494 FOR \$382,000; WORK ORDER NO. 1921684 FOR \$147,000; WORK ORDER NO. 1816079 FOR \$378,000; AND WORK ORDER NO. 1826227 FOR \$602,000 – FOR A TOTAL CAPITAL EXPENDITURE IN THE AMOUNT OF \$1,509,000**

ISSUES:

Approve the expenditure in the total amount of \$1,177,613.20 with All American Asphalt, of Corona, California, for the streetlight installation, electric facilities relocation, and fiber infrastructure installation components of the Public Works Bid No. 7631 for Magnolia Avenue Street Improvements Project from Buchanan Street to Banbury Drive; and approve Work Order No. 1807494 in the amount of \$382,000; Work Order No. 1921684 in the amount of \$147,000; Work Order No. 1816079 in the amount of \$378,000; and Work Order No. 1826227 in the amount of \$602,000 performed for a total capital expenditure of \$1,509,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Approve the expenditure in the amount of \$1,177,613.20 with All American Asphalt, of Corona, California, for the streetlight installation, electric facilities relocation, and fiber infrastructure installation components of the Public Works Bid No. 7631 for Magnolia Avenue Street Improvements Project from Buchanan Street to Banbury Drive;
2. Approve Work Order No. 1807494 in the amount of \$382,000 for the streetlight installation work associated with the Public Works Bid No. 7631 for the Magnolia Avenue Improvements Project from Buchanan Street to Banbury Drive;
3. Approve Work Order No. 1921684 in the amount of \$147,000 for the electric facilities relocation work associated with the Public Works Bid No. 7631 for the Magnolia Avenue Improvements Project from Buchanan Street to Banbury Drive;
4. Approve Work Order No. 1816079 in the amount of \$378,000 for the fiber infrastructure installation work associated with the Public Works Bid No. 7631 for the Magnolia Avenue Improvements Project from Buchanan Street to Banbury Drive; and
5. Approve Work Order No. 1826227 in the amount of \$602,000 for the fiber infrastructure installation work associated with the Public Works Bid No. 7631 for the Magnolia Avenue Improvements Project from Buchanan Street to Banbury Drive.

BACKGROUND:

On January 8, 2014, Riverside County Transportation Commission (RCTC) Board of Directors approved programming of Federal Surface Transportation Program funding for the construction phase of the Magnolia Avenue Improvement Project between Buchanan Street and Banbury Drive (Project). On June 9, 2014, a Cooperative Agreement between the City of Riverside and RCTC was executed in the amount of \$2,620,000 for the Construction Phase of the Project.

The City of Riverside Public Works Department will be starting construction work for the Project, Federal Project No. STPL-5058(102). The project will increase traffic capacity of Magnolia Avenue by adding an additional lane of traffic on both directions of the street, including a new center median with a new streetlight system infrastructure.

Streetlight Installation

The new streetlight system will improve lighting in the area, and increase system operations, reliability and safety. The streetlight upgrade is in alignment with the Citywide Streetlight LED Conversion Program, identified as part of the Utility 2.0 Electric Infrastructure Road Map.

The streetlight installation scope of work includes installation of 13 new streetlight standards, 2,459 trench feet, 2,559 feet of conduit, 2 pull-boxes, 3,438 circuit feet secondary cables, and related street lighting equipment. The work also includes the removal of 14 poles and relocation of one pole.

Electric Facilities Relocation

Part of the street improvements include the replacement of the existing sewer force main line on Magnolia Avenue. To accommodate for the installation of the proposed sewer force main, Riverside Public Utilities (RPU) will have to relocate existing underground structures and electric distribution facilities along Magnolia Avenue.

The existing electric distribution facilities relocation scope of work includes the installation of 300 feet of conduit, 260 trench feet, and 1,000 circuit feet of primary cables. The project also includes, the removal of approximately 970 circuit feet of primary cable, and 280 feet of conduit.

Coordination with Public Works Department is required on the proposed improvements. Intermittent electric service disruptions will be coordinated during construction and advanced outage notifications will be issued to minimize the impact to customers.

Fiber Infrastructure Installation

On August 26, 2019, the Board of Public Utilities approved Work Order No. 1711020 for the Fiber Management System Software and Professional Services Project. As part of the Fiber Business Plan for the expansion of the dark fiber system, and in coordination with Public Works, this project will install 3,600 feet of fiber conduit and six (6) communication pull-boxes along Magnolia Avenue, from Pierce Street to Park Sierra Drive.

The project includes modifications to sections of existing water pipelines that were recently abandoned. RPU's Water and Electric staff coordinated in the repurposing of the existing water pipeline as a casing for fiber conduits. The scope of work includes the installation of 2,700 feet of fiber conduit in the abandoned water pipeline, backfill the annular space with slurry and install five (5) communication pull-boxes, from Park Sierra Drive to Bunbury Drive.

There are significant cost savings by coordinating the fiber infrastructure with Public Works in the following areas: engineering and design, construction and installation, street restoration, traffic management, construction inspection, and project administration and management.

DISCUSSION:

Public Works Bid No. 7631 for the Magnolia Avenue Improvements from Buchanan Street to Banbury Drive – Federal Aid Project No. STPL-5058(102) was posted on the City's Online Bid System on September 13, 2019 and closed October 11, 2019. Three (3) vendors submitted bids for the project. Staff evaluated the bids and deemed All American Asphalt, of Corona, California, to be the lowest responsible bidder. The three bids are summarized in the table below.

Vendors	City Location	Total Bid No. 7631 Amount	Rank
All American Asphalt	Corona, CA	\$13,138,339.25	1
R.J. Noble Company	Orange, CA	\$13,422,163.66	2
Sialic Contractors	Downey, CA	\$12,069,965.95	Bid Withdrawn

➤ *Engineer's Estimate* **\$12,226,877.34**

Public Works will submit their report to City Council and seek approval to award Bid No. 7631 to the lowest responsive and responsible bidder All American Asphalt, of Corona, California, at their regular meeting on December 17, 2019.

The Electric Utility's components for the streetlight installation, electric facilities relocation, and one section of the fiber infrastructure installation bid was above the engineer's estimated amount due to higher labor and material costs for the civil construction work. Although the Electric Utility's portion of the bid is higher than the RPU estimate, the total project cost is the lowest submitted for Public Works Bid No. 7631.

The three (3) bids received respective to the RPU component amounts are summarized in the table below:

Vendors	Streetlight Installation WO 1807494	Electric Facilities Relocation WO 1921684	Fiber Infrastructure Installation	
			WO 1816079	WO 1826227
All American Asphalt	\$284,990.20	\$93,309.00	\$298,220.00	\$501,094.00
R.J. Noble Company	\$265,450.40	\$79,813.60	\$275,600.00	\$435,288.00
Sialic Contractors	\$167,941.00	\$76,090.00	\$159,340.00	\$155,864.00
➤ <i>Engineer's Estimate</i>	\$236,444.51	\$62,689.11	\$292,335.19	\$238,196.63

RPU engineering staff performed the design to eliminate any negative visual impacts to the project and surrounding area, with sensitivity to the existing neighborhood, and within City Planning guidelines for the designated area of the project.

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown (Streetlight Installation – Work Order No. 1807494)		
Work Type	Performed By:	Amount (\$)
Electrical Work:	RPU field forces	\$47,473.00
Civil Construction:	All American Asphalt	\$284,990.20
Design and Inspection	RPU	\$21,037.80
Contingency (10% of Contract)		\$28,499.00
Work Order Total:		\$382,000
Anticipated Start Date:		January 21, 2020
Anticipated Duration:		12 weeks

Project and Fiscal Breakdown (Electric Facilities Relocation – Work Order No. 1921684)		
Work Type	Performed By:	Amount (\$)
Electrical Work:	RPU field forces	\$28,878.40
Civil Construction:	All American Asphalt	\$93,309.00
Design and Inspection	RPU	\$15,481.60
Contingency (10% of Contract)		\$9,331.00
Work Order Total:		\$147,000.00
Anticipated Start Date:		January 21, 2020
Anticipated Duration:		12 weeks

Project and Fiscal Breakdown (Fiber Infrastructure Installation: Pierce St. to Park Sierra Dr. – Work Order No. 1816079)		
Work Type	Performed By:	Amount (\$)
Civil Construction:	All American Asphalt	\$298,220.00
Design and Inspection	RPU	\$49,958.00
Contingency (10% of Contract)		\$29,822.00
Work Order Total:		\$378,000.00
Anticipated Start Date:		January 21, 2020
Anticipated Duration:		12 weeks

Project and Fiscal Breakdown (Fiber Infrastructure Installation: Park Sierra Dr. to Banbury Dr. – Work Order No. 1826227)		
Work Type	Performed By:	Amount (\$)
Civil Construction:	All American Asphalt	\$501,094.00
Design and Inspection	RPU	\$50,796.00
Contingency (10% of Contract)		\$50,110.00
Work Order Total:		\$602,000.00
Anticipated Start Date:		January 21, 2020
Anticipated Duration:		12 weeks

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

The Public Works Director concurs with the recommendations of this report.

FISCAL IMPACT:

The total fiscal impact is \$1,509,000. Sufficient funds are available in the following accounts:

The fiscal impact is \$382,000 for Work Order No. 1807494. Sufficient funds are available in Public Utilities Major Streetlight Capital Account No. 6130000-470637.

The fiscal impact is \$147,000 for Work Order No. 1921684. Sufficient funds are available in Public Utilities Overhead to Underground Capital Account No. 6130000-470619.

The fiscal impact is \$378,000 for Work Order No. 1816079. Sufficient funds are available in Public Utilities City-Wide Communications Capital Account No. 6130000-470664.

The fiscal impact is \$602,000 for Work Order No. 1826227. Sufficient funds are available in Public Utilities Dark Fiber Capital Account No. 6130000-470698.

Prepared by: George R. Hanson, Utilities Assistant General Manager/Energy Delivery
Approved by: Todd M. Corbin, Utilities General Manager
Approved by: Al Zelinka, FAICP, City Manager
Approved as to form: Gary G. Geuss, City Attorney

Concurs with: Kris Martinez, Director of Public Works

Certifies availability
of funds: Brian Seinturier, Utilities Fiscal Manager

Attachments:

1. Project Site Map
2. Bid Award Recommendation
3. Presentation