

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: MAY 10, 2021

SUBJECT: UNDERGROUND CONDUIT INSTALLATION COMPONENT OF PUBLIC WORKS BID NO. 7706 FOR THE CONSTRUCTION OF FISCAL YEAR 2019/2020 ARTERIAL AND MINOR STREET MAINTENANCE AND TRAFFIC IMPROVEMENTS PHASE 1, WITH ALL AMERICAN ASPHALT IN THE AMOUNT OF \$563,033; AND WORK ORDER NO. 2119615 FOR A TOTAL CAPITAL PROJECT EXPENDITURE IN THE AMOUNT OF \$669,000

ISSUE:

Consider approval of an expenditure in the amount of \$563,033 with All American Asphalt of Corona, California, for the underground conduit installation component of the Public Works Bid No. 7706 for the construction of Fiscal Year 2019/2020 Arterial and Minor Street Maintenance and Traffic Improvements Phase 1; and Approve Work Order No. 2119615 for a total capital project expenditure in the amount of \$669,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Approve the expenditure in the amount of \$563,033 with All American Asphalt of Corona, California, for the underground conduit installation component of the Public Works Bid No. 7706 for the construction of Fiscal Year 2019/2020 Arterial and Minor Street Maintenance and Traffic Improvements Phase 1; and
2. Approve Work Order No. 2119615 for a total capital expenditure of \$669,000 for the underground conduit installation component of the Public Works Bid No. 7706 for the construction of Fiscal Year 2019/2020 Arterial and Minor Street Maintenance and Traffic Improvements Phase 1.

BACKGROUND:

On December 9, 2019, the Board of Public Utilities approved Work Order Nos. 1816079 and 1826227 for new underground facilities, including conduits and pull-boxes as a component of the Public Works Bid No. 7631 for the Magnolia Avenue Street Improvements. The total Board-approved amount for Work Order Nos. 1816079 and 1826227 was \$980,000. New underground civil infrastructure was installed to tie into existing facilities for the installation of future communication equipment that may include fiber optic cables, terminations, and associated components.

The Public Works Department utilizes the Pavement Management program to collect and analyze pavement data to prioritize maintenance and repair projects. Public Works staff also receive and track service requests from City residents to address point repairs or consider paving projects along streets and neighborhoods. The improvements for this project support the priorities identified in the Pavement Management Program and also align with the needs detailed by the community.

Every fiscal year, the Public Works Department budgets a portion of the State gas tax, the County Measure A sales tax, and the City Measure Z sales tax revenues for pavement rehabilitation and preservation of existing arterial and minor streets. This project will rehabilitate a portion of City streets that are in very poor condition.



Typical trench and conduit installation

DISCUSSION:

The scope of work for this project includes the construction of over 3,000 feet of trench and backfill, installation of 6,000 feet of underground conduit, four communication pull-boxes, and associated facilities for future expansion of fiber optic communication facilities along Magnolia Avenue, between Banbury and Hole Avenue. The project also includes backfilling annual space with slurry of abandoned pipe in the vicinity of the new conduits.

There are significant cost savings by coordinating the construction of new underground conduits and related facilities with the construction of the Public Works project in the following areas: engineering and design, construction and installation, street restoration, traffic management, construction inspection, and project administration and management. Had RPU treated the construction of the conduits and associated infrastructure as an independent project, RPU's overall cost would have been approximately 30% higher compared to the utility component cost of the Public Works project.

Public Works Bid No. 7706 for the construction of Fiscal Year 2019/20 Arterial and Minor Street Maintenance and Traffic Improvements Phase 1 Project was posted on the City's Online Bid

System on February 4, 2021, and closed March 1, 2021. Six vendors submitted bids for the work. Staff evaluated the bids and deemed All American Asphalt, Corona, California to be the lowest responsive and responsible bidder. The six bids are summarized in the table below.

Vendors	Location	RPU Conduit Installation	Public Works Bid Amount Total	Rank
All American Asphalt	Corona, CA	\$563,033	\$4,531,263.50	1
Sequel Contractors, Inc.	Santa Fe Springs, CA	\$522,705	\$4,542,722.95	2
Onyx Paving Company	Anaheim, CA	\$433,362	\$4,595,000.00	3
R. J. Noble Company	Orange, CA	\$734,337	\$5,055,469.90	4
Hardy & Harper, Inc.	Lake Forest, CA	\$840,000	\$5,099,000.00	5
EBS General Engineering, Inc.	Corona, CA	\$1,041,199	\$5,390,546.30	6
<i>Engineer's Estimate</i>		\$409,517	\$5,070,577.11	

Public Works will submit their report to City Council and seek approval to award Bid No. 7706 to the lowest responsive and responsible bidder All American Asphalt, of Corona, California, at their regular meeting on May 25, 2021.

The Electric Utility's component for the underground conduits and related facilities bid is above the engineer's estimated amount due to higher labor and material costs. Although the Electric Utility's component of the bid is higher than RPU's estimate, All American Asphalt's bid is the lowest for Public Works Bid No. 7706, and it is overall a better option than had RPU constructed the project independently.

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown		
Work Type	Performed By:	Amount (\$)
Electrical Design and Inspection W O. No. 2119615:	RPU	\$49,664
Civil Construction	All American Asphalt	\$563,033
Contingency (10% of Contract)		\$56,303
Work Order Total:		\$669,000
Anticipated Start Date:		June 21, 2021
Anticipated Duration:		24 weeks

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

FISCAL IMPACT:

The total fiscal impact is \$669,000. Sufficient funds are available in Public Utilities Project 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:	Kristi J. Smith, Interim City Attorney

Concurs with: Kris Martinez, Director of Public Works

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

Attachments:

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