



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** May 22, 2017

**ITEM NO:** 20

**SUBJECT:** CONSTRUCTION OF THE COLORADO AVENUE AND TOYON ROAD WATER DISTRIBUTION MAIN REPLACEMENT PROJECT – 9,160 FEET OF WATER DISTRIBUTION PIPELINE – AWARD OF BID NO. RPU-7475 TO MAMCO, INC. DBA ALABBASI OF PERRIS, CALIFORNIA, IN THE AMOUNT OF \$2,077,777 – APPROVE WORK ORDER NO. 1513392 FOR \$2,978,000

**ISSUES:**

Award Bid No. RPU-7475 to Mamco, Inc. dba Alabbasi of Perris, California, for the construction of the Colorado Avenue and Toyon Road Water Distribution Main Replacement Project in the amount of \$2,077,777; and approve the expenditure of \$2,978,000 for Work Order No. 1513392.

**RECOMMENDATIONS:**

That the Board of Public Utilities:

1. Award a contract for the construction of the Colorado Avenue and Toyon Road Water Distribution Main Replacement Project – Bid No. RPU-7475 to the lowest responsive and responsible bidder, Mamco, Inc. dba Alabbasi of Perris, California, in the amount of \$2,077,777; and
2. Approve the capital expenditure of \$2,978,000 for Work Order No. 1513392, which includes all design, construction, paving, contract administration, inspection and construction contingency costs for the Colorado Avenue and Toyon Road Water Distribution Main Replacement Project.

**BACKGROUND:**

The construction of the Colorado Avenue and Toyon Road Water Distribution Main Replacement Project is part of RPU's ongoing water main replacement program to replace old and high priority leaky mains. The project area consists of existing 4-inch and 6-inch cast iron pipeline installed between 1955 and 1964. Based on their leak history, age and size, these water pipelines have been identified as high priorities for replacement to enhance system reliability and increase fire flow.

This project is in line with Riverside Public Utilities' (RPU) infrastructure road map and Utility 2.0 and directly benefits RPU water customers within the vicinity of the project in terms of system reliability and improved fire protection. This project consists of approximately 1.7 miles of replacement water main, representing about 30% of RPU's goal for water main replacements during fiscal year 2016/17. The following table summarizes the water main replacement projects that have been approved for fiscal year 2016/17:

<b>Project Name</b>	<b>Construction Performed By</b>	<b>Budget (Millions)</b>	<b>Length (Miles)</b>	<b>Percent of Planned</b>
Arroyo Drive	Contractor	\$2.0	1.3	23%
Brockton and Palm	Contractor	\$0.7	0.1	2%
Tenth and Eleventh	City Forces	\$1.7	0.8	14%
Ambs Drive	City Forces	\$1.5	1.0	17%
Magnolia and Ramona	Contractor	\$2.7	1.5	26%
Colorado and Toyon	Contractor	\$3.0	1.7	30%
<b>Total</b>		<b>\$11.6</b>	<b>6.4</b>	111%
<b>Planned FY16/17</b>		<b>\$7.6</b>	<b>5.8</b>	

The length of approved pipeline replacement exceeds the planned amount due to the reprioritization of certain projects for the current fiscal year.

### **DISCUSSION:**

The work will entail the construction of approximately 110 linear feet of 12-inch ductile iron pipe, 8,130 LF of 8-inch ductile iron pipe, 50 LF of 6-inch ductile iron pipe, 870 LF of 4-inch ductile iron pipe, twenty-six fire hydrants, 209 water services and thirteen system connections along with all necessary fittings and appurtenances. The work also entails relocating thirty-six water services from existing 4-inch and 6-inch cast iron water pipelines to an existing 12-inch AC pipe in Monroe Avenue, which will facilitate the abandonment of approximately 2,100 linear feet of old 4-inch and 6-inch cast iron pipelines in Monroe Avenue. The new water facilities will be installed according to RPU's current standards. The trench resurfacing is also included as part of this contract in accordance with the Public Works Department (PW) paving standards.

Staff has coordinated with PW regarding the allowable working hours for this project. When school is in session, work on Colorado Avenue will occur during slightly modified daytime hours to coincide with off-peak traffic and pedestrian travel times to minimize disruptions to Jackson and Adams Elementary Schools. The work will not affect service to RPU water customers.

Bid RPU-7475 was advertised on April 4, 2017, and the bids were opened on April 25, 2017. Seven construction contractors submitted bids. Staff has determined that the lowest responsive bid was submitted by Mamco, Inc. dba Alabbasi. Staff has reviewed all provided documentation and has determined that Mamco, Inc. dba Alabbasi of Perris has met all of the requirements of the specifications. The bid was within the engineer's estimated amount of \$2,945,000.

The seven bids received are summarized in the table below:

	<b><u>COMPANY</u></b>	<b><u>CITY LOCATION</u></b>	<b><u>BID TOTAL</u></b>
1.	<b>Mamco, Inc. dba Alabbasi</b>	<b>Perris, CA</b>	<b>\$2,077,777.00</b>
2.	C.P. Construction Co., Inc.	Ontario, CA	\$2,247,071.00
3.	T.E. Roberts, Inc.	Orange, CA	\$2,381,124.00
4.	Hemet Mfg. Co. Inc. dba Genesis Construction	Hemet, CA	\$2,484,930.00
5.	Trautwein Construction	Riverside, CA	\$2,593,501.00
6.	DDH Apple Valley Construction, Inc.	Apple Valley, CA	\$2,665,971.00
7.	Kana Pipeline, Inc.	Riverside, CA	\$2,883,670.00

► *Engineer's Construction Cost Estimate \$2,945,000*

The bids received were less than the engineer’s estimate largely due to better than expected prices for the asphalt trench resurfacing.

The Purchasing Services Manager concurs that the recommended actions comply with the City of Riverside’s Purchasing Resolution No. 22576.

The project breakdown is as follows:

<b>Project Breakdown:</b>	
Engineering Performed By:	RPU Engineering staff
Construction Performed By:	Mamco, Inc. dba Alabbasi
Anticipated Start Date:	July 2017
Anticipated Duration:	7 months
Coordination Required With:	▪ RPU Field Forces
Reimbursements:	None

The total capital expenditure for Work Order No. 1513392 is estimated to be \$2,978,000 as summarized in the following table:

<b>Description</b>	<b>Cost</b>	<b>Percent of Total</b>
Design	\$149,445.30	5.0%
Construction (Mamco, Inc. dba Alabbasi)	\$2,077,777.00	69.8%
Construction Contingencies	\$120,777.70	4.0%
System Connections and Service Tie-overs	\$400,000.00	13.4%
Construction Management and Engineering Support	\$100,000.00	3.4%
Inspection and Geotechnical Testing	\$130,000.00	4.4%
<b>Work Order Total</b>	<b>\$2,978,000.00</b>	<b>100.0%</b>

**FISCAL IMPACT:**

Sufficient funds are available in the Public Utilities’ Water Main Replacements Account No. 6230000-470707.

Prepared by: Todd L. Jorgenson, Utilities Assistant General Manager/Water  
 Approved by: Girish Balachandran, Utilities General Manager  
 Approved by: John A. Russo, City Manager  
 Approved as to form: Gary G. Geuss, City Attorney  
 Certifies availability of funds: Laura Chavez-Nomura, Utilities Assistant General Manager/Finance

**Attachments:**

1. Presentation
2. Bid Recommendation

