



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** APRIL 10, 2017

**ITEM NO:** 7

**SUBJECT:** CONSTRUCTION OF THE MAGNOLIA AVENUE AND RAMONA DRIVE WATER DISTRIBUTION MAIN REPLACEMENT PROJECT – AWARD OF BID NO. RPU-7464 TO SULLY-MILLER CONTRACTING CO. OF BREA, CALIFORNIA, IN THE AMOUNT OF \$1,984,777 – APPROVE WORK ORDER NO. 1107917 FOR \$2,704,000

**ISSUES:**

Award Bid No. RPU-7464 to Sully-Miller Contracting Co. of Brea, California, for the construction of the Magnolia Avenue and Ramona Drive Water Distribution Main Replacement Project in the amount of \$1,984,777; and approve the expenditure of \$2,704,000 for Work Order No. 1107917.

**RECOMMENDATIONS:**

That the Board of Public Utilities:

1. Award a contract for the construction of the Magnolia Avenue and Ramona Drive Water Distribution Main Replacement Project – Bid No. RPU-7464 to the lowest responsive and responsible bidder, Sully-Miller Contracting Co. of Brea, California, in the amount of \$1,984,777; and
2. Approve the capital expenditure of \$2,704,000 for Work Order No. 1107917, which includes all design, construction, paving, contract administration, inspection and construction contingency costs for the Magnolia Avenue and Ramona Drive Water Distribution Main Replacement Project.

**BACKGROUND:**

On July 11, 2016, the Board of Public Utilities received a report of planned routine infrastructure projects over \$500,000 for fiscal year 2016/17. The report provides an overview of the routine infrastructure projects and highlights the importance of these capital improvement projects. Discussion of these projects provided context and familiarity to streamline Board approval of individual project actions throughout the fiscal year. One of the projects discussed was the construction of the Magnolia Avenue and Ramona Drive Water Distribution Main Replacement project. 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 1.5 miles of replacement water main, representing about 26% of RPU's goal for water main replacements during fiscal year 2016/17.

This 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 8-inch Matheson Steel pipeline and 4-inch cast iron pipeline mostly installed between 1916 and 1931. 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.

**DISCUSSION:**

The work will entail the construction of approximately 2,700 linear feet of 12-inch ductile iron pipe, 5,160 LF of 8-inch ductile iron pipe, 22 fire hydrants, 139 water services and thirteen system connections along with all necessary fittings and appurtenances. 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, Riverside Community College and Central Middle School regarding the allowable working hours for this project. The work will occur during slightly modified daytime hours to coincide with off-peak traffic and pedestrian travel times. The work occurring immediately adjacent to the schools will occur during their respective summer recess. The work will not affect service to RPU water customers.

Bid RPU-7464 was advertised on February 22, 2017, and the bids were opened on March 16, 2017. Eighteen construction contractors submitted bids. Staff has determined that the lowest responsive bid was submitted by Sully-Miller Contracting Co. Staff has reviewed all provided documentation and has determined that Sully-Miller Contracting Co. has met all of the requirements of the specifications. The bid was within the engineer's estimated amount of \$2,194,000.

The eighteen 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>Sully-Miller Contracting Co.</b>	<b>Brea, CA</b>	<b>\$1,984,777.00</b>
2.	O'Duffy Bros, Inc.	Romoland, CA	\$2,017,800.00
3.	Big Ben Engineering	Irvine, CA	\$2,138,955.00
4.	Hemet Mfg. Co. Inc. dba Genesis Construction	Hemet, CA	\$2,149,500.00
5.	E.J. Meyer Company	Highland, CA	\$2,151,111.00
6.	Trautwein Construction	Riverside, CA	\$2,179,320.00
7.	Ferreira Construction dba Ferreira Coastal Construction	Chino, CA	\$2,263,132.00
8.	Kana Pipeline, Inc.	Riverside, CA	\$2,276,000.00
9.	C.P. Construction Co., Inc.	Ontario, CA	\$2,280,450.00
10.	T.E. Roberts, Inc.	Orange, CA	\$2,353,640.00
11.	Christensen Brothers General Engineering Inc.	Apple Valley, CA	\$2,415,520.00
12.	Downing Construction, Inc.	Redlands, CA	\$2,437,210.00
13.	Dominguez General Engineering, Inc.	Pomona, CA	\$2,494,560.00
14.	Colich & Sons L.P.	Gardena, CA	\$2,777,120.00
15.	TK Construction	San Bernardino, CA	\$2,837,564.00
16.	TBU Inc.	Beaumont, CA	\$2,852,500.00
17.	DDH Apple Valley Construction, Inc.	Apple Valley, CA	\$3,158,454.00
18.	MCC Pipeline, Inc.	Yucaipa, CA	\$3,786,840.20

► *Engineer's Construction Cost Estimate \$2,194,000*

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:	Sully-Miller Contracting Co.
Anticipated Start Date:	May 2017
Anticipated Duration:	6 months
Coordination Required With:	<ul style="list-style-type: none"> <li>▪ RPU Field Forces</li> <li>▪ Riverside Community College</li> <li>▪ Central Middle School</li> </ul>
Reimbursements:	None

The total capital expenditure for Work Order No. 1107917 is estimated to be \$2,704,000 as summarized in the following table:

<b>Description</b>	<b>Cost</b>	<b>Percent of Total</b>
Design	\$79,375.23	2.9%
Construction (Sully-Miller Contracting Co.)	\$1,984,777.00	73.4%
Construction Contingencies	\$119,847.77	4.4%
System Connections and Service Tie-overs	\$300,000.00	11.1%
Construction Management and Engineering Support	\$90,000.00	3.3%
Inspection and Geotechnical Testing	\$130,000.00	4.8%
<b>Work Order Total</b>	<b>\$2,704,000.00</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

