



## Indiana Avenue and Mary Street Water Distribution Main Replacement Project

Riverside Public Utilities

Board of Public Utilities

July 10, 2017

RiversideCA.gov

## BACKGROUND

1. Existing 4-inch cast iron and asbestos cement pipe
2. Installed in the 1940's
3. High priority replacement
4. Coordination with Caltrans (Work is partially within Caltrans right-of-way)



2

RiversideCA.gov



## PROJECT DESCRIPTION

1. Ductile Iron Pipe
  - a. 3,415 feet of 12-inch
  - b. 35 feet of 8-inch
  - c. 35 feet of 6-inch



## PROJECT DESCRIPTION (CONT.)

2. Bore and Jack
  - a. 25 feet of 24-inch steel casing pipe



5

RiversideCA.gov

## PROJECT DESCRIPTION (CONT.)

3. Nine fire hydrants



4. Four fire services



6

RiversideCA.gov

## PROJECT DESCRIPTION (CONT.)

5. 43 water services



6. Eight system connections



7

RiversideCA.gov

## PROJECT DESCRIPTION (CONT.)

7. Paving per PW and Caltrans standards



8

RiversideCA.gov

## BID RESULTS

	<u>COMPANY</u>	<u>CITY LOCATION</u>	<u>BID TOTAL</u>
1.	C.P. Construction Co., Inc.	Ontario, CA	\$1,284,968
2.	Hemet Mfg. Co. Inc. dba Genesis Construction	Hemet, CA	\$1,405,680
3.	T.E. Roberts, Inc.	Orange, CA	\$1,543,238
4.	Downing Construction, Inc.	Redlands, CA	\$1,612,500
5.	Norstar Plumbing and Engineering, Inc.	Rancho Cucamonga, CA	\$1,899,860
6.	TK Construction	San Bernardino, CA	\$1,998,561

► Engineer's Construction Cost Estimate \$1,012,000



9

RiversideCA.gov

## PROJECT BREAKDOWN

Project Breakdown:	
Engineering Performed By:	RPU Engineering staff
Construction to be Performed By:	C.P. Construction Co., Inc.
Anticipated Start Date:	August 2017
Anticipated Duration:	5 months
Coordination Required With:	<ul style="list-style-type: none"> <li>▪ RPU Field Forces</li> <li>▪ Caltrans</li> </ul>
Reimbursements:	None



10

RiversideCA.gov

## PROJECT BUDGET BREAKDOWN

Description	Cost	Percent of Total
Design	\$99,182.32	4.9%
Construction (C.P. Construction Co., Inc.)	\$1,284,968.00	63.7%
Construction Contingencies	\$112,849.68	5.6%
System Connections and Service Tie-overs	\$275,000.00	13.6%
Construction Management, Engineering Support and Permit Fees	\$110,000.00	5.5%
Inspection and Geotechnical Testing	\$135,000.00	6.7%
<b>Work Order Total</b>	<b>\$2,017,000.00</b>	<b>100.0%</b>



11

RiversideCA.gov

## FY 2017/18 PROJECT SUMMARY

Project Name	Construction Performed By	Budget (Millions)	Length (Miles)	Percent of Planned
Indiana and Mary	Contractor	\$2.0	0.7	27%
<b>Total</b>		<b>\$2.0</b>	<b>0.7</b>	<b>27%</b>
<b>Planned FY17/18</b>		<b>\$3.4</b>	<b>2.6</b>	



12

RiversideCA.gov

## RECOMMENDATIONS

That the Board of Public Utilities:

1. Award a contract for the construction of the Indiana Avenue and Mary Street Water Distribution Main Replacement Project – Bid No. RPU-7494 to the lowest responsive and responsible bidder, C.P. Construction Co., Inc. of Ontario, California, in the amount of \$1,284,968; and
2. Approve the capital expenditure of \$2,017,000 for Work Order No. 1422097, which includes all design, construction, paving, contract administration, inspection and construction contingency costs for the Indiana Avenue and Mary Street Water Distribution Main Replacement Project.



13

RiversideCA.gov