



**BID NO. RPU – 7654 FOR VAN BUREN 2 WELL
REHABILITATION PROJECT IN THE AMOUNT OF
\$78,635 AND WORK ORDER 1919780 FOR A
TOTAL PROJECT AMOUNT OF \$94,363**

Riverside Public Utilities – Water Division

Board of Public Utilities
July 22, 2019

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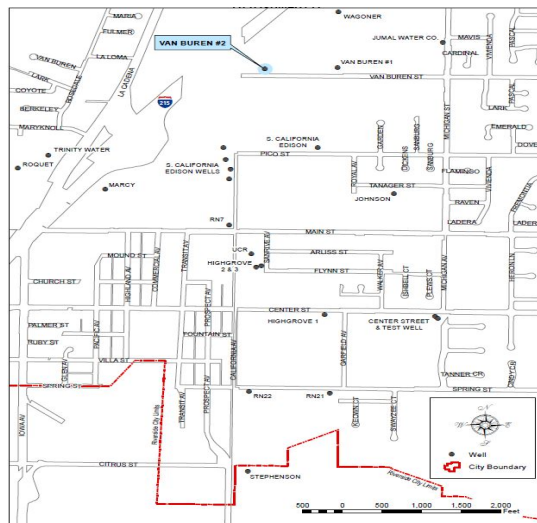
VAN BUREN 2 WELL



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PROJECT LOCATION



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BACKGROUND

1. Produces 2 million gallons of potable water daily (appx)
2. Decline well production due to water level drop in Riverside North which requires pump and motor resizing
3. Inclination of sand and gravel production was noticed
4. May 2018 - A static video identified an erosion above the bowl assembly in a section of column pipe
5. Aug 2018 – A dynamic video confirmed source of sand and gravel production

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BID SUMMARY

1. April 24, 2019 – BID No. RPU – 7654 for Van Buren 2 Well Rehabilitation Project
2. May 24, 2019 – 5 BIDs were received

Vendors	City Location	Bid Amount	Rank
Best Drilling and Pump, Inc.	Colton, CA	\$78,635	1
Legend Pump and Well Service	San Bernardino, CA	\$81,098	2
Layne Christensen Co.	Redlands, CA	\$86,257	3
Webber Water Resources	Corona, CA	\$93,051	4
South West Pump & Drilling	Coachella, CA	\$123,798	5



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SCOPE OF WORK

1. Repair eroded area of column pipe
2. Redesign and install a new motor (100 hp) and multistage pump (337' TDH, 1000 GPM) with an extended suction pipe
3. Install a pump intake screen to reduce damage to pump should well column continue to erode



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VAN BUREN 2 WELL

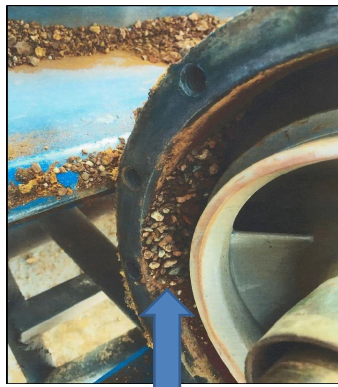


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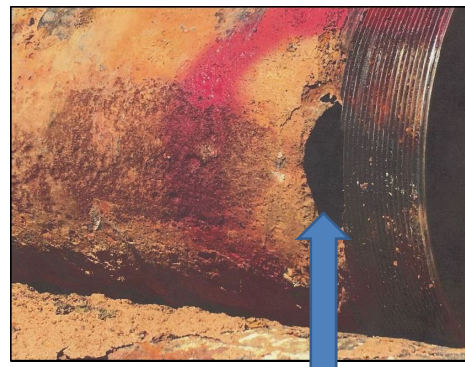


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VAN BUREN 2 WELL



Sand and gravel in the pump assembly



Large hole in section of column pipe

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VAN BUREN 2 WELL



Weld Collar Growth



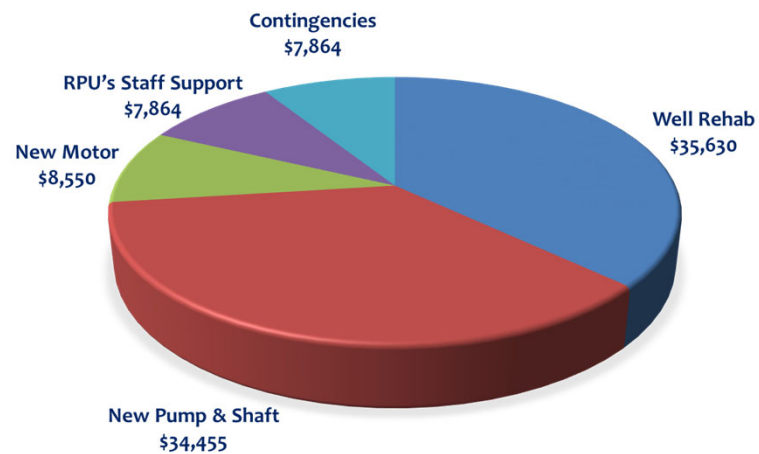
Clogged Perforations

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FISCAL IMPACT



TOTAL COST = \$94,363

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RECOMMENDATIONS

That the Board of Public Utilities:

1. Award Bid No. RPU-7654 for the rehabilitation of Van Buren 2 Well to Best Drilling and Pump, Inc., of Colton, California, in the amount of \$78,635; and
2. Approve Work Order No. 1919780 for a total project expenditure in the amount of 94,363, which includes the rehabilitation of Van Buren 2 Well, staff support, and contingency costs.