



PURCHASE OF 1 TRAILER MOUNTED VACUUM EXCAVATOR IN LIEU OF 3 ARROW BOARDS FOR WATER DIVISION

Riverside Public Utilities

Board of Public Utilities
March 11, 2019

RiversideCA.gov

BACKGROUND

1. December 12, 2016
 - a. Board approved up to \$2,300,000 for RPU Water heavy equipment
2. March 14, 2017
 - a. City Council approved \$10,500,000 for vehicles and equipment
 - b. Included \$2,300,000 for RPU Water heavy equipment
3. August 27, 2018
 - a. Board approved 19 pieces of heavy equipment for \$2,232,977



2

RiversideCA.gov

DISCUSSION

1. Equipment is being procured
2. Additional vacuum excavator needed
 - a. Used daily for maintenance
3. Vacuum excavation offers benefits over traditional excavation methods
 - a. Smaller footprint
 - b. Less pavement patching
 - c. Faster



3

RiversideCA.gov



Typical Setup for a Vacuum Excavator



4

RiversideCA.gov



Typical Utility Pothole



Typical Setup for Identifying Underground Utilities

5



RiversideCA.gov

DISCUSSION (con't)

4. Sourcwell purchasing cooperative
5. Vacuum excavator – \$77,575.15
6. Maximize the use of available funds
7. Vacuum excavator in lieu of 3 arrow boards

6



RiversideCA.gov

DISCUSSION (con't)

		Equipment Schedule as Approved by the Board on August 27, 2018	Revised Equipment Schedule
No.	Description	Unit Price	Unit Price
1	Asphalt Zipper	\$127,544	\$128,727
2	Backhoe (JD 410)	\$146,875	\$146,875
3	Backhoe (JD 410)	\$146,875	\$146,875
4	Backhoe (JD 410)	\$146,875	\$146,875
5	Backhoe (JD 710)	\$200,600	\$200,600
6	Service Truck	\$260,989	\$261,805
7	Dump Truck	\$252,061	\$252,061
8	Large Saw	\$28,752	\$28,752
9	Backhoe Trailer	\$30,026	\$30,026
10	Backhoe Trailer	\$30,026	\$30,026
11	Arrow Board	\$5,432	\$5,075
12	Arrow Board	\$5,432	\$0
13	Arrow Board	\$5,432	\$0
14	Arrow Board	\$5,432	\$0
15	Sweeper	\$379,530	\$379,530
16	Loader	\$248,038	\$248,038
17	Compressor Trailer	\$27,016	\$27,016
18	Valve Turning Trailer*	\$36,042	\$36,042
19	Dump Truck (Used)**	\$150,000	\$150,000
20	Trailer Mounted Vacuum Excavator	\$0	\$77,575
Totals		\$2,232,977	\$2,295,898 Use \$2,300,000



* Valve Turning Trailer was purchased in 2017. Funds from the cooperative purchase agreement will be used to reimburse the Water Division.

** City Fleet has an existing dump truck to be purchased by RPU.

7

RiversideCA.gov

RECOMMENDATION

That the Board of Public Utilities approve the purchase of one trailer mounted vacuum excavator, in the amount of \$77,575.15, in lieu of three arrow boards, remaining within the previously authorized \$2.3 million for new heavy equipment purchases by the Riverside Public Utilities Water Division.



8

RiversideCA.gov