

TO: James L. App, City Manager
FROM: Doug Monn, Public Works Director
SUBJECT: Award Rehabilitation of Borchardt Well No. 5,
Sherwood Well No. 11, and Thunderbird Well No. 17
DATE: February 6, 2007

NEEDS: For the City Council to consider awarding a contract to rehabilitate the Borchardt Well No. 5, Sherwood Well No. 11, and Thunderbird Well No. 17.

FACTS:

1. The City maintains and operates 14 wells which provide water to the citizens of Paso Robles.
2. In order to extend the life of the water wells and to insure efficiency in providing water service to the community, wells are rehabilitated periodically.
3. The City's Capital Improvement Program historically outlines which wells need maintenance and the timing for such.
4. For 2007, the Capital Improvement Program listed Sherwood Well No. 11 was listed for rehabilitation, however, a review of pumping data shows it to be in the best interest of the City to add two additional wells, Borchardt Well No. 5 and Thunderbird Well No. 11 to this year's rehabilitation program to ensure their productivity during peak demand time this summer.
5. The rehabilitation of Borchardt Well No. 5 and Thunderbird Well No. 17 were not anticipated at the time the current Four Year Capital Improvement Program budget was adopted. As a result, a new budget appropriation is required.

ANALYSIS & CONCLUSION: Staff prepared bid documents for the project. At the bid opening on January 4, 2007, three bids were received for rehabilitation of the three wells, ranging in price from \$157,778.65 to \$267,895.00. Staff reviewed the low bid submitted by Aqua Engineering in the amount of \$157,778.65 and found it to be a responsive bid

POLICY REFERENCE: Adopted Capital Improvement Program
Water Operations Manual

FISCAL IMPACT: Based upon the low bid, the cost to rehab the three identified wells is \$157,779. The adopted Capital Improvement Program budget contains a budget appropriation for the Sherwood Well No. 11 rehab in the amount of \$100,000 but not the other two wells. An additional \$65,000 is needed.

There are sufficient resources in the Water Operations Fund to provide the additional resources required to complete the rehab of all three wells.

OPTIONS:

- a. Adopt Resolution No. 07-xx authorizing the following:
 - 1) Approving a one time supplemental budget appropriation to budget account 600.910.5452.503 in the amount of \$65,000;
 - 2) Awarding the contract to rehabilitate the Borchardt Well No. 5, Sherwood Well No. 11, and Thunderbird Well No. 17 to Aqua Engineering in the amount of \$157,778.65, and authorizing the City Manager to execute the contract.
- b. Amend, modify, or reject the above option.

Attachments (2)
1) Resolution
2) Bid Summary

Rehabilitation of Borchardt Well No. 5, Sherwood Well No. 11, and Thunderbird Well No. 17 - DPW Project No. 06-19

ITEM	DESCRIPTION	EST QTY	UNIT	Aqua Engineering San Miguel, CA		Anderson Pump Co. Chowchilla, CA		Layne Christensen Santa Maria, CA	
				UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE	UNIT PRICE	EXT. PRICE
1	MOBILIZATION				7,500.00		750.00		15,000.00
2	Borchardt Well No. 5								
a	Pull pump and 320 feet of 4-inch column	1	LS		2,325.00		750.00		3,300.00
b	Provide and install new pump and motor (per Technical Specs), add 40 feet of 1 column, wire and 2 check valves. Install pump and column including new 3/4-inch PVC lines from surface to pump with SS banding every 20 feet and wire protection.	1	LS		13,534.79		15,221.78		25,880.00
	Borchardt No. 5 SUBTOTAL				15,859.79		15,971.78		29,180.00
3	Sherwood Well No. 11								
a	Pull motor, gear head, column (375 feet of 10-inch) and pump	1	LS		4,050.00		1,500.00		8,370.00
b	Provide video inspection of well casing	1	LS		1,000.00		782.00		1,500.00
c	Clean Well by:								
(i)	Brushing	1	LS		1,800.00		10,000.00		3,120.00
(ii)	Chemicals	1	LS		1,850.00		10,000.00		4,495.00
(iii)	High Pressure Jetting	1	LS		12,725.00		10,000.00		4,080.00
d	Re-Video to determine method of repair	1	LS		1,000.00		782.00		1,500.00
e	Repair Casing:								
(i)	Swage with Liner	30	LF		10,739.29		1024.00		15,720.00
f	Provide and install all new column, pump shaft, oil tube and bowl assembly with an additional 40 ft. (per Technical Specs), including two new 1-inch PVC lines from surface to pump with SS banding every 20 ft.	1	LS		44,015.70		42,591.98		84,995.00
	Sherwood No. 11 SUBTOTAL				77,179.99		106,375.98		123,780.00
4	Thunderbird Well No. 17								
a	Pull motor, column (100 feet of 10-inch) with inflatable boot and pump	1	LS		3,000.00		1,500.00		4,300.00
b	Provide video inspection of well casing	1	LS		1,000.00		782.00		1,500.00
c	Install all new column, pump shaft, oil tube and bowl assembly, and new boot. Also include two new 1-inch PVC lines and one new 1½-inch PVC from surface to pump with SS banding every 20 feet.	1	LS		18,921.18		39,566.63		48,520.00
d	Provide and install VFD per Technical Specs.	1	LS		34,317.69		24,543.00		45,615.00
	Thunderbird No. 17 SUBTOTAL				57,238.87		66,391.63		99,935.00
	BID TOTALS:				\$ 157,778.65		\$ 189,489.39		\$ 267,895.00

RESOLUTION NO. 07-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
APPROPRIATING FUNDS AND AWARDED THE CONTRACT
TO REHABILITATE BORCHERDT WELL NO. 5, SHERWOOD WELL NO. 11,
AND THUNDERBIRD WELL NO. 17

WHEREAS, maintains and operates 14 wells which provide water to the citizens of Paso Robles; and

WHEREAS, the wells are rehabilitated periodically in order to extend their life and insure efficiency in providing water service to the community, ; and

WHEREAS, the City's adopted Capital Improvement Program budget outlines which wells need maintenance; and

WHEREAS, staff has determined that three wells need rehabilitation in 2007: Borchardt Well No. 5, Sherwood Well No. 11, and Thunderbird Well No. 17; and

WHEREAS, the City's adopted Capital Improvement Program budget does not include budget appropriations for Borchardt Well No. 5 nor Thunderbird Well No. 17; and

WHEREAS, a supplemental budget appropriation is required to fund all three well rehabilitations; and

WHEREAS, there are sufficient resources in the Water Operations Fund; and

WHEREAS, this project was put out to bid, and at the bid opening on January 4, 2007, three bids were received ranging in price from \$157,778.65 to \$267,895.00; and

WHEREAS, staff reviewed the low bid submitted by Aqua Engineering and found it to be a responsive bid; and

THEREFORE, BE IT RESOLVED AS FOLLOWS:

SECTION 1. The City Council of the City of Paso Robles does approve a one time supplemental budget appropriation from the Water Operations Fund in the amount of \$65,000 to budget account 600.910.5452.503; and

SECTION 2. The City Council does hereby award the contract to rehabilitate the Borchardt Well No. 5, Sherwood Well No. 11, and Thunderbird Well No. 17 to Aqua Engineering in the amount of \$157,778.65, and authorizes the City Manager to execute the contact.

PASSED AND ADOPTED by the City Council of the City of Paso Robles this 6th day of February 2007 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST:

Frank R. Mecham, Mayor

Deborah D. Robinson, Deputy City Clerk