CITY OF TONKA BAY
ITEM NO. 9J

Memo

To: Mayor and Council

From: Robin Bowman, Public Works Superintendent

CC: Joe Kohlmann, City Administrator

Date: 3-24-15

Re: Well No. 1 Inspection and Repair as needed

The City of Tonka Bay has two deep wells that serve as the water supply for our City. Based on our current inspection program, each well is inspected every 6 years. Planned for in the 2015 Water Operation Budget is the inspection of Well No. 1.

The Inspection consists of the pump being pulled off of well No.1 and completely disassembled and inspected for worn or damaged parts. After the inspection a report is generated by the well contractor detailing any repairs that are needed under the quote amount. The cost for repairs are based on the shop labor rate and unit part replacement cost listed on the proposal form. If we find anything that could cost more than budgeted for staff will bring back more information and cost at that time.

Staff reviewed three proposals and two that did not respond back. The three remaining companies can complete the work late summer/fall, that's a good time of year for us as water usage starts to go down.

In the past only two quotes would be received, I've asked five Contractors for quotes they are as follows:

Contractor	High Quote	Low Quote	Avg of H & L
Bergerson – Caswell Inc.	$72,835.00	$32,335.00	$52,585.00
Keys Well Drilling Co	$70,465.00	$26,195.00	$48,330.00
Traut Wells	$84,970.00	$25,445.00	$55,207.50
McCarthy Wells	Declined on well # 2 last year and No response this year		
Thein Well Company	No response		

Funding

Water Operating Fund has $23,000.00 identified for this project. If needed, we do have funds for repair work to the pump motor and unforeseen issues in line item 49440-220 Repair, Supplies and Maintenance $12,300. Total of $35,300.00

As a side note: Bergerson – Caswell Inc. High quote last year on well was $25,290.00 Low was $10,400.00 and the avg of high & low was $17,845.00. The bill came in at $18,065.00. With that in mind we will be short on well # 1 when the bill comes in.

As much as $15,000.00 short or more.

Recommendation

To approve Keys Well Drilling Co. Based on the High and low Average quote amount of $48,330.00 knowing our Operating Fund has $23,000.00 identified for this project. The City Administrator will look for more funding options for repairs if needed to expedite well # 1 back on line.

Price quote for:

Well # 1 Rehabilitation
City of Tonka Bay
4901 MANITOU ROAD TONKA BAY, MN 55371

Vendor Name: **Bergerson Caswell Inc**
Contact Person: **Tim Berquam**
Street Address: **5115 Industrial Street**
P.O. Box:
City, State, Zip **Maple Plain, MN 55359**
Phone #: **(763) 479-3121**
Toll Free #:
Fax #: **(763) 479-2183**
Email Address: tim@bergersoncaswell.com

Base Quote: *Pull up electric motor, pump, column pipe and inspect & provide written report repair and reassemble pump, straighten line shafts, and paint. Reinstall pump and motor and piping.*

NO	Information Requested	Cost	Unit	Total
	all items are on as needed basis for repair some may not be needed			
1	8"x 20' Schedule 40, T & Column Pipe .332 Wall/W Cot	$900.00	EA	$9,000.00
2	Sand blasting pipe pump & Motor and epoxy paint both	$1,800.00	LS	$1,800.00
3	Replace Column Check Valve 8"	$1,200.00	EA	$1,200.00
4	Replace Pitiless O-Rings White Water For 16" Well Cas	$250.00	EA	$250.00
5	Furnish & Install Complete Set Of Bowl Bearings	$500.00	EA	$500.00
6	Machine Bowl, Furnish & Install Bronze Impeller Wear Ring at Each Stage " 5 ea"	$350.00	EA	$1,750.00
7	Reassemble Bowl	$600.00	LS	$600.00
8	Install Level Monitor Tube "210' of tube"	$210.00	LS	$210.00
9	Television Inspection of Well w/Mobilization/Demobilization	$1,200.00	LS	$1,200.00
10	Cost to & Install New Transducer "need conduit and shelled wire to water plant "Site visit would be good idea to see path for conduit and location of reader."	$8,500.00	LS	$8,500.00
11	Furnish Bowl Shaft – 1-1/2" diameter 62"	$500.00	EA	$500.00
12	Performances Test pre & post	$500.00	EA	$500.00
13	Replacement of Motor & pump 40 HP High speed 3,600 RPM, 460v	$3,750.00	LS	$3,750.00
14	Motor 40 HP 1760 RPM 10" Hitachi equal or better	$10,000.00	LS	$10,000.00