

**City of Fayetteville Staff Review Form**

**2020-0770**

**Legistar File ID**

**10/6/2020**

City Council Meeting Date - Agenda Item Only  
N/A for Non-Agenda Item

Tim Nyander

9/16/2020

WASTEWATER TREATMENT (730)

**Submitted By**

**Submitted Date**

**Division / Department**

**Action Recommendation:**

Staff recommends accepting a quote from J.R. Stewart Pump & Equipment, Inc. in the amount of \$45,082.86 plus applicable taxes and freight charges for the repair of a pump and motor at the Hamestring Sewer Lift Station.

**Budget Impact:**

5400.730.5800-5414.00	Water and Sewer
Account Number	Fund
02069.1	Plant Pumps and Equipment - WWTP
Project Number	Project Title
<b>Budgeted Item?</b> Yes	Current Budget        \$        1,477,313.00
	Funds Obligated        \$        699,569.66
	Current Balance <b>\$        777,743.34</b>
<b>Does item have a cost?</b> Yes	Item Cost                \$        49,591.15
<b>Budget Adjustment Attached?</b> No	Budget Adjustment     \$        -
	Remaining Budget <b>\$        728,152.19</b>

V20180321

**Purchase Order Number:** \_\_\_\_\_

**Previous Ordinance or Resolution #** \_\_\_\_\_

**Change Order Number:** \_\_\_\_\_

**Approval Date:** \_\_\_\_\_

**Original Contract Number:** \_\_\_\_\_

**Comments:** Taxes are estimated at \$4,508.29 for a project total cost of \$49,591.15.



**MEETING OF OCTOBER 6, 2020**

**TO:** Mayor and City Council

**THRU:** Susan Norton, Chief of Staff  
Tim Nyander, Utilities Director

**FROM:** Greg Weeks, Area Manager

**DATE:** September 16, 2020

**SUBJECT: J.R Stewart Pump & Equipment – Pump and Motor Repair for the  
Hamestring Sewer Lift Station**

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**RECOMMENDATION:**

Staff recommends accepting a quote from J.R. Stewart Pump & Equipment, Inc. in the amount of \$45,082.86 plus applicable taxes and freight charges for the repair of a pump and motor at the Hamestring Sewer Lift Station.

**BACKGROUND:**

The Hamestring Lift Station on Sunshine Road delivers over 85% of the West Side WRRF's average 7+ MGD of wastewater influent. The station, first brought online in June 2008, utilizes a series of seven 350 hp Cornell-brand pumps that have been in operation for just over 12 years.

During an inspection of the lift station in July, a leak was noticed coming from the mechanical seal on Pump No. 4. This pump was commissioned in 2008 and has never been rebuilt. The pump was removed from service and sent to J.R. Stewart Pump & Equipment of West Memphis, AR for a hidden-damages inspection. Given its age and hours of operation, the motor also needs to be rebuilt while the pump is pulled and in a certified repair shop.

**DISCUSSION:**

J.R. Stewart Pump and Equipment has submitted a price proposal to repair and rebuild the pump and motor of Pump No. 4 for **\$45,042.86**, plus any applicable taxes and freight charges. Their proposal includes a complete rebuild of the motor, as well as replacing multiple components of the pump including the thrust bearings, the impellor, and the shims. Staff recommends the approval of this proposed influent pump repair. The cost of a new pump is \$63,300.

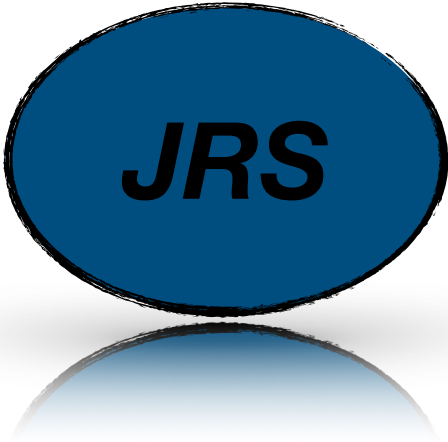
Because it was necessary to have the repair facility disassemble the units to determine the extent of hidden and unknown damage to equipment already purchased, a bid waiver and/or formal sealed bidding is not necessary according to Ark. Code Ann. §19-11-203(14)(DD).

**BUDGET/STAFF IMPACT:**

Funds are available in the Lift Station Upgrade/Replacement account within the Water and Sewer fund. This item was presented to the Water, Sewer and Solid Waste Committee on September 8, 2020, and received unanimous approval to forward it to the City Council with a recommendation for approval.

**Attachments:**

Quote from J.R. Stewart Pump & Equipment



**J.R. STEWART PUMP & EQUIP INC,  
313 S.Second St West MEMPHIS AR  
Office (870)-735-2484 Fax (870)-735-0765**

**Joshua Alleman  
Jacobs Engineering**

**We are pleased to offer the following items;**

**Repair 350 HP Baldor 460V 3 phase 60cycle SER M0702070027 1190  
RPM 396 5011LY. Clean, check, varnish treat & bake, Machine work,  
Balance, bearings, Furnish & Install new ceramic bearings per  
customer request.**

**Materials and Consumables \$9,789.99**

**Labor @98.00 a hour total \$6,765.23**

**Price for motor rework is \$16,555.22**

**Repair Cornell Pump 12NHG28-E20TB**

**Replace thrust bearing \$1,795.00**

**New Impeller \$9,955.00**

**3 shims 915.00 each. \$2,745.00**

**Balance shaft and new impeller \$2,876.88**

**Labor 98.00 a hour @70.98 hours \$6,956.77**

**Tear down machine work \$2,658.99**

**Customer provided following parts**

**Wear ring  
3 stationary bearings  
Impeller washer and bolt  
Mechanical Seal**

**Freight price is \$1,500.00**

**Total price Pump and motor \$45,042.86**

**SIGNATURE REQUIRED FOR PURCHASE AND P.O. #**

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**DUE TO COVID 19 ORDERS MAY IMPACTED ON LEAD TIMES.  
ALL PUMPS NOT IN STOCK 4 TO 10 WEEKS.**

*Patrick Hughey*

**8/6/2020**

**Patrick Hughey  
Outside sales  
WWW.JRSPUMP.COM  
Office; 870-735-2484  
Cell; 901-461-7603**