



Board of Alderman Request for Action

MEETING DATE: 2/15/2022

DEPARTMENT: Public Works

AGENDA ITEM: Resolution 1025 - A Resolution approving a change order for the repair of a motive pump in the amount of \$3501.72 to Mid-America Pump

RECOMMENDED ACTION:

A motion to approve Resolution 1025, approving a change order for the repair of a motive pump in the amount of \$3,501.72 to Mid-America Pump.

SUMMARY:

At the Board meeting on September 7, 2021 the Board approved Resolution 967 authorizing the repair of a motive pump at the Wastewater Treatment plant with Mid-America Pump in an estimated amount of \$20,187.60. There are three motive pumps at the Wastewater Treatment Plant. The motive pump is needed to distribute the wastewater evenly across the Sequential Batch Reactors (SBR) for optimal operation of the system. One of the pumps was not running properly and we contracted Mid-America Pump to pull the pump and inspect for repairs. Several seals, bearing and the impellor needed to be replaced. In order to pull the pump out and make the repairs and then reset the pump a crane was necessary, this cost had not been included in the repair estimate. The final cost of repairs is \$23,689.32 an overage of \$3,501.72.

PREVIOUS ACTION:

September 7, 2021 – Approve Resolution 967

POLICY ISSUE:

Facility Maintenance

FINANCIAL CONSIDERATIONS:

The CWWS fund includes sufficient budget for this maintenance expense.

ATTACHMENTS:

- | | |
|--|-----------------------------------|
| <input type="checkbox"/> Ordinance | <input type="checkbox"/> Contract |
| <input checked="" type="checkbox"/> Resolution | <input type="checkbox"/> Plans |
| <input type="checkbox"/> Staff Report | <input type="checkbox"/> Minutes |
| <input checked="" type="checkbox"/> Other: invoice | |

RESOLUTION 1025

A RESOLUTION APPROVING A CHANGE ORDER FOR THE REPAIR OF A MOTIVE PUMP IN THE AMOUNT OF \$3,501.72 WITH MID-AMERICA PUMP

WHEREAS, the Board approved Resolution 967 on September 7th, 2021 authorizing the expenditure of funds to Mid-America Pump in an estimated amount of \$20,187.60 for repairs to one of the motive pumps at the Waste Water Treatment Plant; and

WHEREAS, the final cost of repairs is \$23,689.32.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF SMITHVILLE, MISSOURI, AS FOLLOWS:

THAT a change order in the amount of \$3501.72 is hereby approved for the repair of the motive pump with Mid-America Pump.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, the 15th day of February, 2022.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk

5600 Inland Drive
Kansas City, KS
913-287-3900 Fax: 913-287-6641

Invoice

Date	Invoice #
12/13/2021	16006

Bill To
CITY OF SMITHVILLE ATTN: ACCOUNTS PAYABLE 1 HELVEY PARK DRIVE SMITHVILLE, MO 64089

Customer Acct #	Terms	Customer P.O. No.
CI149	NET 30 DAYS	Verbal Bob Lemley

Item	Description
SHOP LABOR SHOP PARTS	<p>SHOP LABOR SKP# 7264 SHOP PARTS</p> <p>MID-AMERICA PUMP SKP# 7264 This is for the inspection and repair of the SBR motive pump #2</p> <p>Scope of work: Upon inspection the tech found the sensor cable to be in poor condition due to several cuts that penetrated the sheathing and int the wires. The impeller is completely destroyed. The volute discharge face, body, cut water, and machine fits are in good condition. The wear ring was severely damaged to the point it was almost gone. The oil was found to be contaminated with debris. The upper/lower mechanical seal faces are worn.The upper and lower bearings were rough. It appears the primary cause of failure was due to the impeller washer breaking in two and coming out. This allowed the impeller to drop and wear itself and the suction head to distruction, causing the unit to draw extemely high amps.</p> <p>Repair proposal to include:</p> <ul style="list-style-type: none"> New upper and lower mechanical seals New O-ring kit New set of impeller shims New upper and lower bearings New impeller New impeller wear ring New impeller bolt New Sensor cable Machine work to repair lower seal fit and impeller fit on the shaft Stainless Steel material to make a new suction wear ring Labor to teardown/ inspect, clean parts being reused, assemble, test and paint Labor to repair suction and make a new SS wear ring Labor to repair damaged sensor cable MLS
Sales Tax (0.0%) \$0.00	
Total \$23,689.32	