



Board of Aldermen Request for Action

MEETING DATE: 2/6/2024

DEPARTMENT: Public Works

AGENDA ITEM: Resolution 1309, Awarding Bid No. 24-04 Headworks Bar Screen to Ross Construction

REQUESTED BOARD ACTION:

A motion to approve Resolution 1309, awarding Bid No. 24-04, Headworks Bar Screen to Ross Construction in the amount of \$133,800 with a Force Account of \$25,000 for a total project cost of \$158,800.

SUMMARY:

As the Board is aware, we have had issues keeping wipes, rags and other debris out of the treatment process. Last year we cleaned all the SBR's, diffusers and had to repair / replace the motive pumps. Some of this work will be annual maintenance but there was a significant amount of debris that should have been diverted at the bar screen. The current bar screen was installed in 2007 with other plant improvements. The existing bar screen is not removing debris as efficiently as it did when it was first installed. When the bar screen was new, the debris removed filled a 4 cubic yard dumpster every week, currently it takes about a month to fill the dumpster.



Bar Screen



SBR before cleaning

The project was included in the 2024 budget in an amount of \$325,000.

Bids were opened on January 23, 2024.

Three Bids were submitted with different manufacturers:

Ross Construction	\$133,800	Nordic Water	\$137,800	Duperon
Mega KC	\$166,700	Duperon		
Rand Construction	\$265,544	Huber		

The bid form that Ross submitted was updated at the last minute from a bid of \$137,800 for a Duperon unit to the Nordic Water unit in an amount of \$133,800 (see attached bid form and correspondence from Ross).

Staff has evaluated both units and are recommending that we purchase the Duperon unit through Ross Construction. From what we can find, the Nordic Water unit does not have a track record in the United States. One issue the current unit has is freezing in the winter. The bid requested a unit that included a heating system. This is not provided with the Nordic unit while the Duperon has heated base plates.

The recommended Bid Award is based on the Base Bid, in the amount of \$133,800. The City is choosing to select the Duperon unit for \$137,800 (an additional \$4,000). The additional cost will be paid using the Force Account.

The Force Account will be used for the additional \$4,000 and any other changes encountered during installation. The 2024 budget included \$325,000 for this project.

PREVIOUS ACTION:

Included in the 2024 budget.

POLICY ISSUE:

Maintaining infrastructure

FINANCIAL CONSIDERATIONS:

This project is included in the 2024 Budget in the amount of \$325,000.

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: Bid Documentation | |

RESOLUTION 1309

A RESOLUTION AWARDING RFP 24-04 HEADWORKS BAR SCREEN TO ROSS CONSTRUCTION IN THE AMOUNT OF \$133,800 WITH A FORCE ACCOUNT OF \$25,000 FOR A TOTAL PROJECT COST OF \$158,800

WHEREAS, the headworks bar screen filters out large objects such as rags, plastic, wipes and metal from the waste stream to help protect pumps from clogging; and

WHEREAS, the existing bar screen has exceeded its useful life and is not capturing the debris as it was designed; and

WHEREAS, this project continues the City's commitment to improving and maintaining the City's infrastructure; and

WHEREAS, after a bid process, as outlined in the City Purchasing Policy, and reference checks, staff is recommending the bid received from Ross Construction is the most responsive and best bid received and the most advantageous to the City in the amount of \$133,800.

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

THAT Bid No. 24-04 is hereby awarded to Ross Construction in the amount of \$133,800; and

THAT a Force Account of \$25,000 is also approved for a total project cost of \$158,800.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Smithville, Missouri, this 6th day of February, 2024.

Damien Boley, Mayor

ATTEST:

Linda Drummond, City Clerk

BID FORM RFP #24-04

Headworks Bar Screen

<u>ITEM</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>UNIT PRICE</u>	<u>TOTAL</u>
Mobilization	LS	1	\$ 2,000. ⁰⁰	\$ 2,000. ⁰⁰
			\$ 131,800. ⁰⁰	\$ 131,800. ⁰⁰
Bar Screen	LS	1	\$ 135,800.⁰⁰	\$ 135,800.⁰⁰
Total Bid				\$ 137,800.⁰⁰ \$ 133,800. ⁰⁰

TOTAL BID ~~\$ 137,800.⁰⁰~~ \$ 133,800.⁰⁰

Signature: 

By: David A. Ross, President

Company: David E. Ross Construction Co.

Address: 10201 E. 75th Street

Raytown, MO 64138

Acknowledgement of Addenda 1


Signature

Equipment Brand / Model

NORDIC WATER RS23
DORR-CON FLEXPAVE

Equipment Manufacturer / contact information

LEWIS & CLARK HAINES EQUIPMENT
JACOB ZWISLOCKI MARK MURPHY
913-228-7239 913-752-4962

Specifications (provide equipment data sheet)

yes (no)

Equipment Warranty (years)

FIVE (5)

ROSS

CONSTRUCTION

Engineers & Contractors

Date: January 24, 2024

To: Charles F. Soules, P.E.
Public Works Director
City of Smithville
107 W. Main Street
Smithville, MO 64089

RE: RFP#24-04 Headworks Bar Screen
Smithville Wastewater Treatment Facility

Dear Chuck,

As you can see on our Bid Form submitted, we had planned to use Letts Van Kirk (Duperon Screen) until we received a lower bid from Haynes Equipment (Nordic Water Screen) at 1:52 PM and changed our Bid Form last minute to Total Bid \$133,800.00. We would honor our bid of \$137,800.00 if you prefer to use Letts Van Kirk (Duperon Screen). I have included the data sheets for both the Haynes Equipment (Nordic Water Screen) and Letts Van Kirk (Duperon Screen) for review. Both Screens provided a Five (5) Year Manufacturer Warranty.

In addition, we were told the Control Panel environment is Class 1 Division 2. We would need the City to verify and confirm if this is correct. Our bid included a Class 1 Division 1 Control Panel per specifications. If the City can verify and confirm the area is Class 1 Division 2, then we could offer a credit of \$6,140.00 for providing a Class 1 Division 2 Control Panel.

Please contact me at 816-737-2953 if you have any questions.

Sincerely,


Matt Gustin
Project Manager