

MARSHALLTOWN

— I O W A —

Joel Greer, Mayor
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TO: Mayor Greer and City Council
FROM: Heather Thomas, Public Works Director
DATE: September 12, 2022
RE: Headworks and Digester Improvements (WPC 21-001)

Policy Issue: City purchasing policy requires horizontal infrastructure projects to go through a competitive bidding process with City Council approval.

<input type="checkbox"/> Goal 1: Expand and improve development	<input checked="" type="checkbox"/> Goal 3: Continually improve the City's organization & services
<input type="checkbox"/> Goal 2: Enhance Marshalltown's public image	<input type="checkbox"/> Goal 4: Partner with others to improve quality of life

Specific Objective/Action: Objective 2 – Develop comprehensive plans for City infrastructure and improvements

Recommendation: Staff recommends accepting bid and awarding the WPC 21-001, Headworks and Digester Improvements to WRH, Inc of South Amana, Iowa in the amount of \$8,939,000.00

Budget Impact: This project is planned to be funded through a combination of a \$13.125 Million Dollar revenue bond and local cash on hand with our Sanitary Sewer Enterprise Fund.

The revenue bond is providing partial funding for this headworks project and the Sanitary Sewer CIPP Project (let previously and awarded in the amount of \$4,768,210.10).

The construction costs came in under budget, which will allow the city to utilize less cash on hand and have contingency available, if needed, during construction.

Description/Background: The headworks at the City's Water Pollution Control Plant has outlived industry standards for equipment life for our pretreatment equipment. This project is to replace headworks equipment and perform several other rehab/replacements of components in other areas of the plant that would be performed by the same type of Contractor. This project will address:

- Removal and replacement of screening and grit equipment;
- Improvements to piping in headworks and digesters;
- Rehabilitation of mixers in Digesters No. 1 and No. 3;
- Installation of new manway access in Digester No 1;
- Sandblasting and repainting mechanism and steel, removal, and replacement of cover/roofing of Digesters No. 1 and No. 3;
- Sandblasting and repainting mechanism and steel in Final Clarifier No. 2;
- Replacement of weir and trough in Final Clarifiers No. 1 and No. 2;
- Improvements to dewatering wellheads and pumps;
- Rehabilitation and cleaning of existing pipe;

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- Improvements to yard piping;
- Improvements to several buildings and the site;
- Improvements to the plant's SCADA/PLC systems;
- and miscellaneous related work typical of wastewater treatment plant upgrades.

Design Engineering for this project was performed by FoxStrand. Construction was estimated to cost \$9,909,700 with a 5% contingency of \$495,500 for a total construction budget of \$10,405,200.

We opened 4 valid bids on September 7th as summarized below:

		<u>Lump Sum Bid</u>
Engineer's Estimate	\$	9,910,000.00
WRH, Inc (South Amana, IA)	\$	8,939,000.00
Tricon General Construction (Dubuque, IA)	\$	9,883,000.00
Woodruff Construction (Ames, IA)	\$	10,817,300.00
Synergy Contracting (Altoona, IA)	\$	14,949,830.00

The substantial completion date is September 30th, 2024.

Attachments: Letter of Recommendation from Fox Strand & Bid Tabulation

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