



Water, Sewer, and Solid Waste Committee

13 July 2021

5:30 P.M.

(Or immediately following Equipment Committee Session)

This is a Virtual Meeting

Committee: Chairman Mark Kinion; Council Member Sloan Scroggin, Council Member Teresa Turk, Council Member D'Andre Jones,

Copy to: Mayor Lioneld Jordan, Paul Becker, Kara Paxton, Susan Norton, Chris Brown, Alan Pugh, Terry Gulley, Peter Nierengarten, Jeff Coles, Brian Pugh, Mark Rogers, Corey Granderson, Aaron Watkins, Greg Weeks, Monty Sedlak, Chris Hall, Chris Dougherty, Sandi Formica

From: Tim Nyander, Utilities Director

CALL TO ORDER

ROLL CALL

UPDATES

OLD BUSINESS:

1. Jacobs Cost Overrun for FY2020

In March of 2021, the City was informed that the Jacobs O&M budget for FY2020 experienced an overrun of \$435,857. There will be a presentation on the overrun as to what caused it, and what will be done in the future to avoid a reoccurrence.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL

NEW BUSINESS:

2. Boring Under Richland Creek for a Water Line

The City of Fayetteville serves water to customers in Goshen through a waterline that follows Highway 45, crossing "twin bridges" or the White River and Richland Creek. The first crossing (White River) is accomplished through a waterline hung from the bridge. The second crossing is subsurface below Richland Creek.

The City's upcoming East Service Area Improvements project includes the upgrade of this waterline to provide flows for current and future demands in Goshen. On April 29, 2021 the

waterline under Richland Creek was disrupted by streambank erosion during a significant flooding event. City Crews worked swiftly to construct a temporary bypass line over the Highway 45 bridge in this location to ensure customers could be kept in service. A subsequent boil order was coordinated with the Department of Health and all news outlets.

To date, the water in Richland Creek has not receded enough to allow city crews to inspect this area to determine the type or scope of failure and make repairs subsurface. The City quickly coordinated with Olsson Engineering to create a stand-alone bid package for this creek crossing area, pulling from the larger East Service Area Improvements project. This smaller project includes approximately 850 feet of waterline, and a 225 foot bore under the creek.

All permits, easements, and approvals are in place and the City will be advertising this project July 11th. Upon bid opening the project will be placed on the next available City Council agenda to expedite contract approval timeline. The City’s goal is to have this project under contract as quickly as possible so the permanent replacement of this line can be accomplished prior to freezing weather in the winter.

For Information Only

3. Bid Award for Water Line Improvement Project to Kajacs

On June 15th, 2021, the City of Fayetteville accepted sealed competitive bids for the 2021 Waterline Improvements project. KAJACS Contractors, Inc. submitted the lowest bid. All bids are shown here:

Goins Enterprises, Inc.	\$4,584,685.00
Goodwin & Goodwin, Inc.	\$3,516,690.47
<u>KAJACS Contractors, Inc.</u>	<u>\$3,479,500.00</u>

This project will reconstruct aging and failing waterline infrastructure in five locations around Fayetteville. The construction of approximately 1,890 linear feet of 8” waterline along Huntsville Rd. from Mill Ave. to Mashburn Ave., 1,250 linear feet of 8” waterline along Ila St. from Wilson Ave. to Lincoln Ave. and 690 feet of 8” waterline along Shady Ave. from Maple St. to Louise St., 1,950 linear feet of 8” waterline along Oaks Manor Dr. from Rolling Hills Dr. to Sheryl Ave., 820 linear feet of 12” waterline along Persimmon St. from Betty Jo Dr. to Shiloh Dr., and 3,345 linear feet of 8” waterline and 890 linear feet of 4” waterline within the Western Park trailer park including off-site connections to the east.

Staff recommends awarding Bid #21-54 and approving a construction contract with KAJACS Contractors, Inc. in the amount of \$3,479,500.00 for construction of approximately 10,835 linear feet of 12-inch and smaller waterlines. Funds are available for this project in the Water System Rehabilitation account.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL

4. Contract Award for Lake Fayetteville Watershed Study

Upon the council's request in resolution 82-21, staff has selected an experienced firm to draft and develop a Lake Fayetteville Watershed Strategy and improvement Plan. The plan will build on the previous studies performed for the Lake with regard to the internal and external pollutant loading with the ultimate goal of improving water quality to meet the requirements for primary contact. The attached document represents the proposed scope of work along with an estimated fee for the council's consideration.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL

5. Engineering Service Agreement for Markham Elevated Storage Tank

The Markham 1-MG elevated storage tank is located atop Markham hill and provides water to the City's primary pressure plane. The tank is in need of removal and replacement of the painted coating systems due to normal aging. Furthermore, the tank climbing systems are outdated and need to be updated to modern safety standards. This tank does not have a previous inspection on record but will be inspected as a part of the engineering design in this agreement.

Olsson Inc. has been involved in many past City tank rehabilitation projects, as well as new construction designs. On April 6, 2021, the City of Fayetteville conducted a formal Engineering Selection meeting for this project and selected Olsson, Inc. (RFQ 21-01, Selection #14). The scope of services for this project will include site visits, structural inspections, and analyses, developing plans and specifications for coating systems and tank mixing retrofits, bidding services, and on-site inspection services during construction.

Staff recommends approval of an Engineering Services Agreement with Olsson, Inc. for design of removal and replacing coating systems and updating safety systems at the Markham one million gallon elevated storage tank in an amount not to exceed \$107,000.00. Funds are available in the Water Tank Improvements account.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL

6. Bid Award for Round Mountain Standpipe Refurbishment

On June 24th, 2021, the City of Fayetteville accepted sealed competitive bids for the Round Mountain Standpipe Rehabilitation project. Maguire Iron, Inc. submitted the lowest bid. All bids are shown here:

Classic Protective Coatings, Inc.	\$263,950.00
Leher Painting Enterprises, Inc.	\$223,777.00
<u>Maguire Iron, Inc.</u>	<u>\$153,000.00</u>
Utility Service Co., Inc.	\$248,300.00
Viking Painting	\$187,500.00

This project will remove and replace the interior and exterior coatings on the 100,000-gallon Round Mountain standpipe as recommended by recent tank inspections performed by Garver Engineers. While the coating system is removed, upgrades to safety climbing

systems will be made to align with modern standards. Tank mixing will be added to improve circulation by the use of an active mixer placed inside the tank.

Staff recommends awarding Bid #21-56 and approving a construction contract with Maguire Iron, Inc. in the amount of \$153,000.00 for painting and rehabilitation of the Round Mountain 100,000-gallon water standpipe. Funds are available for this project in the Water System Rehabilitation account.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL

7. Rebuild Noland Aerator No. 11

The Noland Wastewater Treatment Facility utilizes 16 mechanical aerators to provide oxygen to the biology in the aeration basin. On March 31st Aerator No. 11 was found to be mechanically unsound and the below surface aerator paddle had broken. The aerator was removed and sent to JCI Industries for forensic examination of hidden damages.

We have received a quote for hidden damages from JCI Industries for \$21,590.50 to make repairs to Aerator No. 11. JCI's proposal includes new bearings, seals and the remanufacture of the mixer shaft. JCI industries will also reassemble and test the unit.

We do believe this item qualifies for tax exemption as specified by the Arkansas Department of Finance Arkansas Tax Rules – Gross Tax Receipt Rules; Compensating Use Tax Rules; Special Excise Tax Rules - Section GR-66E because Aerator No. 11 is used to aerate the bioprocess. Pending this determination, taxes are estimated to be \$2,159. Freight is included in the quoted price. The total cost for this project is estimated to be **\$23,749.50**.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL

8. Biological Sampling on the West Fork of the White River

Dr. Bouldin conducted the Spring Sampling Event in June for macroinvertebrates (flatworms, snails, insects, etc.). The sampling took 2½ days and included one site at the Town Branch confluence and four sites on the WFWR. Dr. Bouldin had several staff persons and equipment. We have not received any results yet.

The Arkansas Game & Fish Commission have conducted a fish sampling event over the area to be restored on the WFWR. We have not received any results yet.

Dr. Haggard started the Water Quality sampling the week of July 5th. We have not received any results yet.

For Information Only

9. Overview of WWTP Monthly Report

Discussion of May's Monthly WWTP Report

PRESENTATIONS

2020 O&M Contract Overrun

ATTACHMENTS

Budget Overrun Power Point

Richland Creek Plans

Kajacs Vicinity Map

Kajacs Bid Tab

Lake Fayetteville Study Scope & Fee

Markham Vicinity Map

Markham Scope & Fees

Round Mountain Vicinity Map

Round Mountain Bid Tab

Aerator Rebuild Quote – JCI Industries

May 2021 WWTP Report

ADJOURN

Next Water, Sewer, Solid Waste Committee meets on
Tuesday, August 10, 2021, 5:30 p.m.