



Water, Sewer, and Solid Waste Committee

January 8, 2019

5:30 P.M.

(Or immediately following Equipment Committee Session)

City Hall – Room 326

Committee: Chairman Mark Kinion; Council Member Sonia Gutierrez, Council Member Sloan Scroggin, Council Member Teresa Turk

Copy to: Mayor Lioneld Jordan, Don Marr, Paul Becker, Sondra Smith, Susan Norton, Chris Brown, Corey Granderson, Alan Pugh, Terry Gulley, Peter Nierengarten, Jeff Coles, Brian Pugh, Tim Nyander, Jim Beavers, Aaron Watkins, Greg Weeks, Mayo Miller, Tim Luther

From: Mark Rogers, Water & Sewer Operations Manager

CALL TO ORDER

ROLL CALL

OLD BUSINESS:

1. Conservation of Floodplain Property

Follow-up discussion on the 98 acres of floodplain/flood-prone property along the West Fork of the White River south of Dead Horse Mountain Road.

INFORMATION ONLY

2. Ruppel Road Water/Sewer Cost Share

Water - A developer has requested that the City share in the cost of extending a 12-inch watermain north from MLK to the second roundabout on Ruppel Road, a distance of approximately 3,500 linear feet. The initial estimate for the work is approximately \$470,000.

Sewer - Ruppel Road Subdivision is located along the newly constructed Ruppel Road, between Wedington Drive and MLK Jr. Blvd, at the middle of the three roundabouts. It has been determined that there is no feasible way for the site to have gravity sewer connections to any existing sewer systems. Because of this, the idea of a regional lift station, capable of handling all of the surrounding properties, and pumped to the existing West Side Wastewater Resource Recovery Facility is now proposed. The estimated cost is still to be determined.

The Utility is planning on submitting a request to the City Council for a Resolution of Intent to cost-share on these projects.

INFORMATION ONLY

NEW BUSINESS:

3. BMS Thermal Dryer Repair

Staff recommends a bid waiver ordinance approving the purchase of spare parts and repair services for the thermal drying unit located at the Biosolids Management Site (BMS) from AIT Services, Inc. in the amount of \$117,917.67 plus applicable taxes, to approve a project contingency in the amount of \$20,000.00, and to authorize future purchases of parts and repair services through December 31, 2019.

The biosolids are dried within a rotating drum supported on either end by large split bearings. Recent equipment inspections performed by AIT Services, Inc. identified stress damage to both split bearings; more recently shaft movement has also been measured pointing towards impending bearing failure. The manufacturer specified bearings are fabricated on a per order basis resulting in lead times of up to 5 months. If a bearing fails without the availability of a critical spare the thermal dryer down time could generate more than \$500,000 of additional landfill fees while waiting for parts fabrication and delivery. The recent equipment inspection also identified several dryer components that are recommended to be replaced due to wear. These parts are needed to extend the life of the dryer for up to 5 more years. AIT Services, Inc is the sole authorized service and parts provider for Fenton Drying Systems.

AIT Services, Inc. quoted \$114,917.67 for the thermal dryer parts and repairs, and freight has been estimated in the amount of \$3,000.00 for a total of \$117,617.67. City staff recommends the approval of a contingency in the amount of \$20,000.00 for potential parts and labor costs that could arise during the repair process.

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

4. Kajacs Contractors, Inc. – Masters Lift Station

Staff recommends awarding Bid #18-55 and approving a construction contract with Kajacs Contractors, Inc. in the amount of \$1,067,000.00 for construction services associated with the elimination of the Masters sewer lift station.

The elimination of the Masters Lift Station (Sewer Lift Station 23) is a recommended 2017 CIP project in the Wastewater Collection System 2014 Master Plan Update. Hawkins-Weir Engineers, Inc. provided engineering services for the elimination of the lift station.

The City accepted formal bids on December 5, 2018 per Bid #18-55 for the construction phase of the Masters sewer lift station elimination. Kajacs Contractors, Inc. submitted a bid in the amount of \$1,067,000.00, which was the lowest bid. The project includes the installation of 3,450 linear feet of 8-inch gravity sewer along with the demolition of the existing Masters lift station.

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

5. Hawkins-Weir Amendment No. 1 – Masters Lift Station

Staff recommends the approval of Amendment No. 1 to the Professional Engineering Services Agreement with Hawkins-Weir Engineers, Inc. in an amount not to exceed \$33,860.00 for construction management and observation services associated with the elimination of the Masters sewer lift station.

The elimination of the Masters Lift Station (Sewer Lift Station 23) is a recommended 2017 CIP project in the Wastewater Collection System 2014 Master Plan Update. Hawkins-Weir was selected by a formal engineering selection committee to provide engineering services for the elimination of the lift station (Resolution 100-17).

The engineering phase is complete, and a construction contractor has been selected. It is proposed that Hawkins-Weir provide construction observation and management services associated with the elimination of the Masters sewer lift station in the not-to-exceed amount of \$33,860.00. This proposed Amendment No. 1 will adjust the original Agreement's not-to-exceed amount to \$105,680.00.

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

6. Revisions to the 2017 Water & Sewer Standard Specifications

Staff recommends approval of an Ordinance to amend sections 0001-Certification and Statement and 1000-General Requirements of the *Standard Specifications for Design and Construction of Water Lines and Sewer Lines, 2017 Edition* to remove the professional endorsement of retiring city personnel.

The 2017 Edition of these standard specifications was adopted by Ordinance 6003 in October 2017. At that time, the specifications were sealed by Jim Beavers, professional engineer, and employee of the City of Fayetteville. Upon Mr. Beavers' retirement, scheduled for 1/31/2019, the specifications must be modified to remove his engineering seal. The proposed administrative changes to the introductory sections of this specification will accomplish this removal.

Coordination with the Arkansas Department of Health has already occurred on this matter. Submittals made to that office for a particular project will be accomplished (as in other jurisdictions) by the engineer of record reviewing and sealing the city's standard specifications.

The approval of these changes will ensure a smooth transition after Mr. Beavers' retirement and avoid unnecessary delays to project reviews by the Department of Health. No technical portions of the specifications will change in any way as a result of these proposed administrative changes.

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

Capital Projects Update

Number	Project Description	Contractor	Cost	% Complete
1	Water Audit (loss) Study	Black & Veatch	\$83,691.00	90%
2	Goshen/Benson Mtn. Water Tank Improvements (Design)	Hawkins-Weir	\$133,980	85%
3	Utility Relocates Hwy 16 (Design)	McClelland	\$117,859	80%
4	Kitty Creek Sewer Line Project (Design)	McClelland	\$250,793	80%
5	I-49/Wedington Interchange water and sewer relocations (Design)	Burns & McDonnell	\$203,269	80%
6	Annual Cured in Place Pipe (sewer) contract	Insituform	\$528,693	99%
7	Fulbright/Gregg Sewer Main Replacement (Design)	In-House Design	\$1,000,000	75%
8	Gregg, Poplar and Easy Street Sewer Improvements (Construction)	TBD	TBD	60%
9	Skelton Water Line Replacement	Tri-Star		50%
10	East Service Area water system - design	MWY/Olsson	\$573,309	35%
11	2018 Water Tank inspection and water quality analysis	Garver	\$154,000	40%
12	Electrical Improvements for the Noland WWTP (Design)	Allgeier Martin	\$480,049	60%
13	North College Water Main Evaluation	McClelland	\$128,930	30%
14	Masters Lift Station Removal (Construction)	Kajacs	\$1,067,000	0%

PRESENTATIONS

Dead Horse Mountain Road Property

ATTACHMENTS

Dead Horse Mountain Road Property

Ripple Road Area Map

Ripple Road Water

BMS Thermal Dryer Parts Quotes

Kajacs Contractors Bid Tab and Submittal

Hawkins-Weir Amendment No. 1

Revisions to the 2017 Water & Sewer Standard Specifications

ADJOURN

Next Water, Sewer, Solid Waste Committee meets on
Tuesday, February 12th, 2019, 5:30 p.m., Room 326.