



Water, Sewer, and Solid Waste Committee

September 12, 2017

5:30 P.M.

(Or immediately following Equipment Committee Session)

City Hall – Room 326

Committee: Chairman Mark Kinion; Council Member Sarah Marsh, Council Member Sarah Bunch, Council Member John LaTour

Alternates:

Copy to: Mayor Lioneld Jordan; Sondra Smith, Don Marr, Paul Becker, Susan Norton, Chris Brown, Lynn Hyke, CH2M HILL, Brian Pugh, Jeff Coles, Mark Rogers, Jim Beavers, Aaron Watkins

From: Tim Nyander, Utilities Director

CALL TO ORDER

ROLL CALL

OLD BUSINESS/UPDATES:

- a. *Revisions to the Standard Specifications for the Design and Construction of Water and Sewer Lines.***
 - 1. The revised standard specifications need to be adopted as an ordinance. This requires special public notification, including newspaper publication. The City Clerk will run the publication to ensure compliance with ACA §14-55-207, Adoption of technical codes by reference. No ordinance is required to go to the ordinance review committee – the City Council or the chair of this committee may decide to have the ordinance review committee review it but if it's already gone through W&S Committee, it is not required. Staff recommends placing it on the agenda for the October 17th City Council meeting.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR APPROVAL

NEW BUSINESS:

- a. *Goshen Ground Tank/Benson Mountain Pump Station and Water Standpipe.***
 - 1. Based upon inspection reports, customer water demands and field observations, the Goshen Ground storage water tank requires coating (painting) and minor rehabilitation, the pump station from the Goshen tank to the Benson (Fire Tower Road) tank requires replacement with a new pump station and the existing Benson

standpipe water tank requires replacement. Additionally, water main and appurtenances are required. The proposed engineering contract with Hawkins-Weir includes surveying, design, easement assistance, Storm Water Pollution Prevention Plan and bidding. Construction administration services may be negotiated in a future contract amendment. Hawkins-Weir Engineers Inc. was selected for this task in a formal engineering selection committee meeting on July 26, 2017, City of Fayetteville RFQ 17-01, Engineer and Architect - Selection #3. The contract scope and the not to exceed costs were negotiated by City Utilities staff. City Staff recommends approval of (1) the engineering contract with Hawkins-Weir Inc. in the not to exceed amount of \$121,800.00 and (2) a ten percent engineering contract contingency of \$12,180.00. The total request for this Agenda item is \$133,980.00. The proposed contract and City Council memorandum are attached to this agenda.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR APPROVAL

b. *Water and Sanitary Sewer Relocations for ARDOT (formerly AHTD) Highway 16 (15th Street) from College to Huntsville, Project 040579A*

The Arkansas Department of Transportation has requested utility relocations to prepare for the widening of Highway 16 (15th Street) from College to Huntsville. The relocations are estimated to cost approximately \$1,200,000.00 to \$1,500,000.00. The relocations are estimated to be 58% which would put the non-reimbursable cost at \$500,000 to \$750,000. These are estimates only, and the final percentages will be determined by ARDOT prior to construction.

The City's present workload would be prohibitive to perform the necessary preliminary engineering and meet the project schedule. McClelland Consulting Engineers, Inc. (MCE) was selected for this task in a formal engineering selection committee meeting on July 26, 2017, City of Fayetteville RFQ 17-01, Engineer and Architect - Selection #3. The contract scope and the not to exceed costs were negotiated by City Utilities staff. The proposed engineering contract with MCE includes surveying, design, SWPPP and bidding. Construction administration services may be negotiated in a future contract amendment. The total request for this Agenda item is \$117,859.00.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR APPROVAL

c. *Cost-Shares*

9th Street between S. Washington and S. College – install approximately 130 feet of new 8-inch SDR 26 sewer pipe, to serve the new structures to be constructed. The City will provide the labor and Garden District Townhomes, LLC will pay for the materials, estimated at \$4,675.95. A cost-share agreement will be written that will require Garden District Townhomes to agree to pay \$4,675.95, and include a 20% contingency of \$935.19.

Starr Drive – the City of Fayetteville will pay the additional cost for upsizing 1,520 feet of water line from a 4-inch to an 8-inch. The estimated cost of the 4-inch line is \$39,500 and the estimated cost of the 8-inch line is \$59,975. The difference is \$20,475. Additionally,

the City will pay 50% of the cost of the engineering fees, which are estimated at \$6,950. This cost-share value is \$3,475. The total cost share is \$23,950 with a 20% contingency of \$4,790. The Fayetteville City Code provides that “the City shall pay the excess material cost of facilities of a size that is larger than required to serve subdivisions when such excess size is specified and required by the water and wastewater director for the general benefit of the water system.” The increased size benefits the water system because it brings the two sections of 8-inch pipe, one from the north and the other from the south, closer together where in the future an 8-inch loop can be connected in the area.

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d. *Clarifier Repair*

The clarifier troughs at the West Side WWTP have experienced significant deterioration with their coating/lining, which is allowing seepage of water into and through the concrete. This constant moisture moving through the structure will eventually cause the rebar to corrode, the concrete will deteriorate, and the life of the clarifiers could be shortened. The Wastewater Division has sent specifications to purchasing in order to advertise this project for bidding. City staff is seeking approval from the committee to present the lowest and/or best bid for this repair, once they are received and reviewed, to the City Council for consideration.

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e. *Repair of Screening Unit at the West Side WWTP*

The West Side WWTP is designed to treat 10.0 million gallons of wastewater per day. As part of the treatment process, the wastewater passes through one of two fine screening devices that remove debris such as wipes, rags, toys and other items from the wastewater. This debris is removed to protect downstream processing equipment, and to prevent debris from comingling with the biosolids.

One of the Brackett Green fine screening devices has a damaged upper rotating shaft that needs to be replaced. Ovivo USA, LLC is the sole source provider of Ovivo parts necessary to repair the screen. The City received a quote for the repair parts in the amount of \$35,252.93 plus applicable tax.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR APPROVAL

Capital Projects Update

Number	Project Description	Contractor	Cost	% Complete
1	Dinsmore Trail Water line replacement -Design	MWY	\$33,389	96%
2	Fulbright/Greg Sewer main replacement	In-House Design	\$500,000 (est)	30%
3	Masters Lift Station Removal-Design	Hawkins-Weir	\$71,820	50%
4	Kitty Creek Sewer Line Project-Design	McClelland Engineering	\$250,793	10%
5	Huntsville, MLK & Garden Park Apartments Water Line Replacements - Construction	Goins Enterprises	\$1,919,872	33%

PRESENTATIONS

Mr. Brad Hammond, P.E., and Mr. Chris Hall P.E. with McGoodwin Williams & Yates Engineering, will present a summary of the Water Master Plan, completed in August 2017.

ATTACHMENTS

Hawkins-Weir Professional Services Contract – Goshen Tanks
Goshen Water Tanks Map
McClelland Professional Services Contract – Highway 16
West Side WWTP Clarifier Specification
Screening Unit City Council Memo
Screening Unit Sole Source Letter

ADJOURN

Next Water, Sewer, Solid Waste Committee meets on
Tuesday, October 10, 2017, 5:30 p.m., Room 326.