



AGENDA

Water, Sewer, and Solid Waste Committee

November 10, 2015

5:30 P.M.

(Or immediately following City Council Agenda Session)

City Hall – Room 326

Committee: Chairman Mark Kinion; Aldermen Sarah Marsh, Aldermen Martin Schoppmeyer, Aldermen John LaTour

Copy to: Mayor Lioneld Jordan; Sondra Smith, Don Marr, Paul Becker, Susan Norton, Jeremy Pate, Chris Brown, Lynn Hyke, Peggy Bell, CH2M HILL, Brian Pugh, Jeff Coles, Mark Rogers

From: Tim Nyander, Utilities Director *TN*

CALL TO ORDER

ROLL CALL

APPROVAL OF MEETING AGENDA

OLD BUSINESS/UPDATES:

a. *Lake Sequoyah Sediment Removal Project*

Site preparation for geobag placement and limited sediment removal to fill these geobags is complete. The dredging contractor, Stream Lake & Wetlands Solutions LLC (Linwood, Kansas) is scheduled to mobilize November 9, 2015. Anticipated completion of filling the geobags is December 7, 2015.

b. *White River Use Attainability Analysis (Minerals)*

ADEQ has responded and we understand how the permit calculations are performed. We are currently evaluating potential options and have scheduled a tentative visit to Little Rock on November 16th to see if we can reach consensus with ADEQ on a path forward.

c. *Ozone Disinfection System Project*

Notice to proceed issued June 4, 2015. The structural concrete placement for the south contact basin is complete. Electrical wiring continues. The ozone injection equipment skid from Blue In Green is scheduled for delivery to the Noland WWTP on November 16, 2015.

The anticipated project completion is January –February 2016.

NEW BUSINESS:

a. Sustainable Funding for Regional Water Source Protection

John Pennington, Executive Director of the Beaver Watershed Alliance, will give a presentation outlining the focus and core funding needs of water source protection, and be available to answer any questions. The Alliance is discussing proposing a funding stream to support minimum core funding (staff and office expenses) and basic prioritized and voluntary watershed protection according to EPA strategies.

b. Water Sewer Outbuilding Additions Bid 15-52, Construction.

The Water Sewer Outbuilding Additions, Bid 15-52, is scheduled for bid opening on November 18, 2015. The project will provide an addition of 4725 sf to the existing vacuum truck building and also provide a new 1536 sf three sided covered storage building for top soil and asphalt cold mix storage. The project is an approved 2015 CIP project. The opinion of probable construction costs are in the range of \$175,000.00 to \$218,000.00.

c. AHTD BB0414 Utilities, aka Porter Rd – Hwy 112/71B widening and interchange water and sewer relocations.

The AHTD construction project will provide widening, additional lanes and additional bridges at I-49 and Hwy 112/71B. AHTD's schedule construction start is summer or fall 2016. Prior to the AHTD roadway construction the City of Fayetteville must relocate approximately 3,000 lf of water line and approximately 5,000 lf of sanitary sewer line.

The design is complete. AHTD is currently acquiring right of way and the City is currently acquiring easements. The opinion of probable construction costs for the water and sewer relocations are in the range of \$2,000,000.00 to \$2,500,000.00.

Due to certain existing water and sanitary sewer lines being located on City easement and not AHTD ROW, AHTD will reimburse the City 87% of the actual costs.

The bidding for this project is scheduled for January 2016.

d. Mt. Sequoyah and Baxter Lane Water Tanks - rehabilitation and painting.

The re-bidding of the water tank project is scheduled for December 2015 - January 2016. The City has worked to remove a portion of the communication cables from the Mt. Sequoyah water tank. The consultant has revised the specifications to include additional time for completion, to decrease sand-blasting and to increase power washing. These were the general suggestions from contractors in their statement for not bidding the project in July 2015.

The opinion of probable construction costs are in the range of \$1,750,000.00 to \$2,000,000.00.

e. Ramsey and Overcrest (Old Wire Road) Sanitary Sewer Relocations.

The Ramsey and Overcrest Sanitary Sewer Rehabilitation project is an approved 2015 CIP project to address remaining known sanitary sewer overflows (SSOs). The project is identified as the first priority pipeline improvements in the Wastewater Collection System 2014 Master Plan Update.

The project design is 98% complete. The City is currently acquiring easements. The opinion of probable construction costs for the water and sewer relocations is \$1,700,000.00 to \$2,000,000.00.

The bidding for this project is scheduled for January 2016.

f. 2016 Capital Improvements Plan

A brief summary on the planned capital projects for 2016 will be discussed.

g. Contract with CH2M Hill for Operations, Maintenance and Management Services

Contract Amendment No. 7 covers the second year of the first five-year extension period of the initial 2009 Contract. The overall contract price has decreased by 0.4% due to the reduction in overall scope. Overall, the City’s Administration and Senior Management is pleased with CH2Ms performance, and recommends extending the contract through 2016.

STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR APPROVAL

Capital Projects Update

Number	Project Description	Contractor	Cost	% Complete
1	Operations Center Outbuildings Upgrade Construction	Cromwell	TBD	0%
2	Ramsey/Overcrest Sewer Replacement Design Phase	McClelland Engrs	\$228,644	98%
3	Baxter and Mt. Sequoyah Tank Painting Design	Garver	\$149,900	95%
4	18-inch Water Line Installation Regional Park (Contractor Portion)	Goodwin & Goodwin	\$707,007.50	93%
5	Noland Ozone Equipment	BlueInGreen	\$1,780,825	80%
6	South Mountain Pump Station Rehab	Design/Const. In-House	\$200,000	75%
7	Cost Share for trend analysis in Beaver Lake	Beaver Watershed Alliance	\$58,562	50%
8	West Water Transmission Line Survey and Easement Acquisitions	McClelland Engrs	\$1,000,000	50%
9	2015 SSES	RJN	\$1,116,351	68%
10	Swr Rehab-Cured in Place Pipe City Wide	Insituform	\$330,000	40%

11	Noland Effluent Storage Reservoir Fence	Finalizing Specifications	\$60,000	25%
12	Noland Ozone Construction	JL Bryson	\$867,010	50%
13	Noland Transformer Repair Construction	City Council approval August 4,2015	\$82,700	15%
14	Hwy 45/Old Wire Road Intersection Utility Relocations		\$600,000	0%
15	Zion Road Water/Sewer Construction		\$1,200,000	0%
16	White River Stream bank Restoration	Design WCRC	\$577,221	In Design ETA 2016

PRESENTATIONS

ATTACHMENTS

Lake Sequoyah Picture
2016 CIP Summary
CH2MHILL Contract Summary

ADJOURN

Next Water, Sewer, Solid Waste Committee meets on
Tuesday, December 8, 2015, 5:30 p.m., room 326.



2016 CAPITAL IMPROVEMENT PROGRAM

WATER & SEWER RELOCATES FOR STREET BONDS

- Replace 18-inch and 24-inch gravity sewer line from Crossover Road to Old Missouri **\$1,000,000**
- Ruppel Road – MLK to Mt. Comfort **\$815,000**
- I-49 & Wedington Drive Interchange **\$1,000,000**
- I-49 & MLK Interchange **\$1,000,000**
- Graham from Nettleship to Hotz **\$1,500,000**

SANITARY SEWER REHABILITATION

- Gregg Avenue Project **\$500,000**
- Cured-In-Place Pipe Repair **\$400,000**
- Manhole Rehabilitation **\$350,000**

WATER SYSTEM REHABILITATION AND REPLACEMENT

- Galvanized Pipe Replacement **\$400,000**
- Growth Area & City Lake Road **\$1,400,000**

WWTP IMPROVEMENTS

- Noland Plant Filter Cell Replacement **\$1,000,000**
- Noland MCC, Mixer & Pump Replacement **\$305,000**

▪ Repair Clarifiers 1 & 2 **\$30,000**

▪ Lift Stations General Repair & Replacements **\$125,000**

WATER IMPACT IMPROVEMENTS

▪ Upgrade Various Water Lines **\$500,000**

WASTEWATER IMPACT IMPROVEMENTS

▪ Upgrade Various Sewer Lines **\$400,000**

PHOSPHORUS STANDARDS MANAGEMENT

▪ Intergovernmental Working Group, Nutrient Trading **\$50,000**

WATER & SEWER IMPACT FEE COST SHARING

▪ Partner With Entities to Upsize Lines as Needed **\$275,000**

▪ West Fork Line Upsize **\$605,000**

BUSINESS OFFICE & TECHNOLOGY IMPROVEMENTS

▪ Remodeling and Equipment **\$30,000**

RATE STUDY

▪ Timing to be Determined **\$170,000**

WATER METERS

▪ Ongoing **\$325,000**

BACKFLOW PREVENTION

▪ Ongoing **\$10,000**



CITY COUNCIL AGENDA MEMO

MEETING OF DECEMBER 1, 2015

TO: Mayor and City Council

FROM: Tim Nyander, Utilities Director *TN*

DATE: November 5, 2015

SUBJECT: Approval of Contract Amendment No. 7 with CH2M HILL Engineers, Inc. beginning January 1, 2016 and ending December 31, 2016 with an annual cost of \$7,872,235.00 for 2016.

RECOMMENDATION:

City Administration recommends approval of Contract Amendment No. 7 with CH2M HILL Engineers, Inc. beginning January 1, 2016 and ending December 31, 2016.

BACKGROUND:

When the original Noland WWTP upgrade was completed in 1987, the City contracted with OMI (now CH2M) for wastewater treatment services. The scope of services provided by CH2M HILL include: (1) operate and maintain the Noland and West Side Wastewater Treatment Plants (WWTP); (2) operate and/or maintain 43 wastewater pump station sites; (3) administer the City's NPDES discharge, air, stormwater, and other permits; (4) manage the City's biosolids disposal program; (5) manage the City's industrial pretreatment program; (6) support the SCADA (supervisory control and data acquisition system) network that monitors water and wastewater facilities; (7) pursue operation economies, efficiencies, and permit compliance; and (8) participate in the construction and post-construction work of the Wastewater System Improvement Project (WSIP). In late 2009, the City underwent a rigorous selection process with three competitive proposals. The selection committee selected CH2M HILL for a five year contract and two subsequent five year extensions subject to City review and approval. Contract Amendment No. 6 was implemented for 2015 which updated the scope of services to include utility engineering services, and exercised the first of two available five-year extensions of the overall contract beginning January 1, 2015. City staff has now reached the conclusion that engineering services can be more efficiently delivered by City employees, so this scope has been removed from the CH2M HILL contract for 2016. To encourage cost saving operations, the contract contains an incentive provision whereby budget savings are distributed 87.5% to the City and 12.5% to CH2M HILL. The overall contract price has decreased from the amended total 2015 contract price by 0.4% or \$30,308, due to the reduction in overall scope. The net increase from 2015 to 2016 for the remainder of the scope is approximately 1.8% or \$140,268 with much of this increase due to an anticipated 10% increase in the cost of electricity.

DISCUSSION:

Throughout the transition period created by the unforeseen departures of the City's Utility Engineer and Utility Director in early 2014, CH2M HILL provided stable engineering support for the Wastewater Utility. However, now that a new Utility Director has become firmly established and his former Operations position backfilled with an experienced and competent individual, City Staff is confident that these services can be more efficiently delivered with in-house personnel. This Amendment No. 7 anticipates that the CH2M HILL scope of services will return to the level that existed prior to the recent transitional period.

BUDGET/STAFF IMPACT:

Funds are available within the 2016 Wastewater Treatment Plant operational budget.

ATTACHMENTS:

Staff Review Form
Signed Contract Amendment

Table D-1, Cost Detail

2016 Fayetteville Cost Centers

	WWTP Administration & SCADA Program	WWTP East Side Operations Program	WWTP West Side Operations Program	WWTP Lab & IPP Program	WWTP Lift Station Maintenance Program	WWTP Biosolids Management Program	Lake Sequoyah Sediment Removal Program	Total Cost 2016
Direct Labor	637,683	562,822	354,878	312,618	131,183	742,664	93,722	2,835,570
Labor Markup, 15%	95,652	84,423	53,232	46,893	19,677	111,400	14,058	425,335
Direct Expense	368,239	860,257	369,042	132,364	284,357	620,023	357,000	2,991,281
Expense Markup, 10%	36,824	86,026	36,904	13,236	28,436	62,002	35,700	299,128
Electricity		505,773	321,360		353,916			1,181,049
Fixed Fee	139,872							139,872
Totals	1,278,271	2,099,300	1,135,415	505,111	817,568	1,536,089	500,480	7,872,235