



MEMORANDUM

The City of
OKLAHOMA CITY

Council Agenda
Item No. VIII.C.3.
4/12/2016

TO: Mayor and City Council

FROM: James D. Couch, City Manager

Concurrence with the Oklahoma City Water Utilities Trust in approving Contract for Engineering Services with Triad Design Group, Inc., Project WC-0875, Atoka Pipeline raw water transmission line, Canadian River Crossing, fee of \$1,613,400.

Location Canadian River (State Highway 99 west of Byng, Oklahoma)

Background The City of Oklahoma City owns and the Oklahoma City Water Utilities Trust (OCWUT) operates and maintains a 100-mile long, 60-inch pre-stressed concrete cylinder pipeline and six pump stations bringing water from the Atoka Reservoir in southeast Oklahoma to the Stanley Draper Reservoir in southeast Oklahoma City. OCWUT also operates and maintains the McGee Creek pipeline from McGee Creek Reservoir to the Atoka Reservoir. This portion contains 11.5 miles of 72-inch and 5.8 miles of 66-inch steel pipe with one pump station at the McGee Creek Dam.

The 2003 Water Master Plan titled Strategic Capital-Requirements and Water Stability Evaluation was completed and determined The City of Oklahoma City's water needs up to year 2051. A more recent study titled 2009 Regional Raw Water Supply Study of Central Oklahoma also reviewed water needs and requirements for central Oklahoma up to year 2060, including Oklahoma City. Both reports showed the need for a second parallel Atoka pipeline to be constructed by 2021. A conceptual plan was completed in 2014 to develop a phased implementation plan for improvements to the raw water supply system from Southeast Oklahoma including the second Atoka pipeline.

Nine engineering contracts will be approved for the various pipeline segments to include: engineering reports, final construction plans and specifications, bidding, construction administration, as-built drawing and inspection services. This project provides for the engineer's design and all other engineering services related to construction of the Canadian River Crossing for the above Atoka pipeline parallel segment. As part of this project the engineer will evaluate multiple options for the river crossing, including bridge and bore/tunnel alternatives.

Previous Action Consultant Review Committee Report received and authorization to negotiate a contract approved by OCWUT on November 10, 2015 (Item No. III.C.) and concurred by Council on November 24, 2015 (Item No. VIII.A.3.).

Engineer Triad Design Group, Inc.

Engineer Fee	Basic Services	\$1,513,400
	Additional Services	<u>100,000</u>
	Total Contract	\$1,613,400

Funds for the contract are not authorized until the General Manager has issued a work order for the respective Task(s) in the table below.

Work Order	Task(s)	Fee
1	1	\$ 410,000
2	2	\$ 358,400
3	3A	\$ 320,000
4	3B and 3C	\$ 30,000
5	4 and 5	\$ 395,000
Basic Services		\$1,513,400
Additional Services		<u>\$ 100,000</u>
TOTAL		\$1,613,400

Estimated Construction Cost \$25,000,000

Source of Funds OCWUT-Water Facility Fund-Water Trust Capital-2nd Atoka Pipeline-Project WC-0875-Architect & Engineering (360-3060-3901600-06409-WC0875-54040001)

Review Utilities Department

Recommendation: Concur with the Oklahoma City Water Utilities Trust in approving the Contract.