



City of Broken Arrow

Request for Action

File #: 18-119, Version: 1

**Broken Arrow Municipal Authority
Meeting of: 01-02-2018**

To: Chairman and Authority Members
From: Engineering and Construction Department
Title: Approval of and authorization to execute Professional Consultant Agreement with Engineering, Compliance, and Construction, Inc. (ECCI) for Tank Replacement Design Services for the Water Treatment Plant Caustic CIP Tank (Project No. 185436)

Background:

The original caustic CIP (clean-in-place) fiberglass tank was built by Edwards Fiberglass, Inc. for the Verdigris Water Treatment Plant (WTP) project in 2012. The chemical solution stored in this tank is used to clean the membrane filter system at the WTP. An inspection of this and other tanks at the WTP was conducted by ECCI in June 2017. In the inspection report submitted, several issues were identified based on the external-only inspection of this tank. These included cracked lifting lugs (currently not suitable for use), a leak in the upper pipe knuckle out of the tank, and no pipe support for the CIP return line piping.

It has been determined that tank replacement is necessary. This Professional Consultant Agreement requires production of construction documents for the replacement of the tank, inspection during the manufacturing of the tank (if directed by BAMA) to ensure that certain fabrication standards are observed, bidding assistance services, onsite inspection services during installation of the new tank, and production of record drawings.

Funding for this agreement will be from the Utilities Department Operations and Maintenance (O&M) budget.

Cost: \$ 17,000.00

Prepared By: Alex M. Mills, P.E., CFM, Engineering and Construction Director

**Reviewed By: Utilities Department
Finance Department
Assistant City Manager - Operations**

Approved By: Michael L. Spurgeon, City Manager

Attachments: Professional Consultant Agreement

Recommendation:

Approve and authorize execution of Professional Consultant Agreement with Engineering, Compliance, and Construction, Inc. (ECCI) for Tank Replacement Design Services for the Water Treatment Plant Caustic CIP

Tank