

## **MEMORANDUM**

**TO:** Donna Barron, City Manager

**VIA:** Keith Marvin, P.E., Director of Public Services

**FROM:** Karen Emadiazar, Utilities Manager

**DATE:** August 2, 2018

**SUBJECT:** **Approval of Amendment #3 of a Professional Services Agreement with HDR Engineering, Inc. in the Amount of \$213,820 for Professional Engineering Services for the Bid Phase (Task 10) and Construction Administration Services (Task 11) in Connection with the Raw Water Pipeline Relocation; and Authorize the City Manager to Execute the Amendment.**

### **BACKGROUND**

The United States Army Corps of Engineers (USACE) has developed improvement strategies for the Lewisville Lake Dam and has requested that the City relocate portions of its two raw water pipelines, in order to implement the Lewisville Lake Dam improvements. Two segments of the City's 30 and 36-inch pipelines which provide untreated lake water to the City's Water Plant, will need to be setback 200 feet from the toe of the dam. On November 7, 2016, a Professional Services Agreement with HDR Engineering, Inc., was executed for Tasks 1 through 8 which included preliminary design, data collection and pipe alignment evaluation. Amendment #1 of this PSA was executed on May 15, 2017 to include Detailed Design (Task 9); Amendment #2 was executed March 15, 2018, to re-appropriate funding within the remaining tasks for a zero-net change to the contract. Amendment #3, now proposed, includes Tasks 10 and 11, for Bid and Construction Administration Services.

### **ANALYSIS**

In July 2018, the final project design was completed by HDR Engineering, Inc. for the relocation of the two raw water pipelines. The services included in this amendment are for monitoring and control activities to track project progress, preparing for project advertisement and coordination with the U. S. Army Corps of Engineers (USACE), adding final adjustments to plans and specifications, responding to pre-bid inquiries and potential addenda, evaluating bids and contractor qualifications, reviewing submittals, providing project clarifications, attending site visits and observations, start-up and providing record drawings.

HDR Engineering, Inc. will work with the City, USACE and other utilities to provide engineering services for this final phase for the relocation of segments of the two raw water pipelines within a pipeline corridor. This project will be performed in conjunction with the USACE Lewisville Lake

Dam improvements. These improvements are scheduled to begin as early as 2019, with the relocation of the water lines to be performed at the beginning of the dam improvements.

The engineering services for Tasks 10 and 11 of this PSA amendment are \$213,820. Funding is available in Capital Improvements Project U1612. It is anticipated the timeline for Tasks 10 and 11 of this PSA will be approximately 20 months.

City staff will bring an agenda item to a future meeting that will solidify the agreement between the City and the USACE for construction of these line segments. This agreement will include the funding of the City's portion of the project.

### **RECOMMENDATION**

It is City staff's recommendation that the City Council approve the amendment as set forth in the caption above.