

## CITY COUNCIL MEMORANDUM

**FROM:** The Office of the City Manager   **DATE:** March 23, 2020  
**SUBJECT:** Consider a professional services agreement for engineering design services with Kimley-Horn Associates in an amount not to exceed \$329,000 for the Conn Pump Station Rehabilitation Project (UT2008).  
**PRESENTER:** Caroline Waggoner, Director of Public Works

**SUMMARY:**

Council is being asked to consider a professional services agreement for engineering design services with Kimley-Horn Associates for the rehabilitation of the Conn Pump Station.

**GENERAL DESCRIPTION:**

The Conn Pump Station provides potable water from the City of Fort Worth at the southeast corner of NRH to an area that extends almost to Mid-Cities Boulevard. The facility houses four pumps which provide the pressure needed to serve this portion of the city. In recent years the pumps have experienced excessive wear and tear, resulting in premature failure of several pumps. Staff hired a local consultant to perform a study of the pump station and piping network in 2018 to determine the cause of the problem. The study found that the pump issues were caused by the net positive suction head created by the piping alignment on the suction side of the pumps. The pump station has limited space for all of the required components, and a realignment of the pipes will necessitate relocating and upgrading the electrical equipment.

Staff followed city policy for procuring professional services for the design of this project. Requests for qualifications were sent to local engineering firms and advertised on the city's website. Eight firms responded by submitting statements of qualifications to the city. The selection committee found that Kimley-Horn's experience on similar projects and familiarity with the transmission network in the vicinity gave them an advantage over the other candidates, and selected them as the most qualified firm for the project.

The engineering agreement outlines the scope of work in Exhibits B, C and D. Listed below are the key items within the scope of work:

- Perform a hydraulic analysis of up to two concepts for pump replacement;
- Design the proposed pump station configuration, including pump sizes and locations, electrical and hvac system improvements to accommodate the new layout;
- Permitting assistance with regulatory agencies (TCEQ, Oncor, TDLR)
- Provide technical assistance and pump testing during construction.



The Public Works Department negotiated a design fee of \$329,000. This basic services fee consists of project management, engineering design, bidding and construction phase assistance. The special services fee consists of a design survey and permitting assistance.

Basic Services	\$ 268,000
Special Services	<u>\$ 61,000</u>
<b>Total Design Fee</b>	<b>\$ 329,000</b>

The total amount of the professional services agreement for this project is \$329,000. The project budget has sufficient funding for this contract. The project schedule anticipates bidding the project this fall, with the goal to accommodate construction during the winter months when water demand is lower. Funding for this project was included in the FY 19-20 Adopted Budget as Conn Pump Station Pump and Electrical Rehabilitation Project (UT2008).

**RECOMMENDATION:**

Approve a professional services agreement for engineering design services with Kimley-Horn Associates in an amount not to exceed \$329,000 for the Conn Pump Station Rehabilitation Project (UT2008).