



Legislation Text

File #: 17-0175, Version: 1

Consider and take action on a resolution authorizing a professional services agreement with Sander Engineering Corporation for the Countryside #1 Lift Station Improvements Project (WW1705), in an amount not to exceed \$64,800 (Director of Public Works)

Approval of this resolution will authorize a professional services agreement with Sander Engineering Corporation (SEC) for the design and construction phase engineering services related to the Countryside #1 Lift Station Improvements Project (WW1705).

The purpose of this project is to rehabilitate the Countryside #1 Lift Station of converting the dry pit “vertical centrifugal” pumping system to a submersible pumping system. Countryside # 1 Lift Station was constructed in 1976 and is one of the City’s oldest conveyance facilities. The station has served for forty-one years with minimal upgrades or major modifications. The initial scope work submitted in the CIP, included the replacement of the aging pumps, controls, piping, and valves. Recent and historical operational issues led to further evaluation of the facility needs. A history of poorly designed access to the wet well prevents safe access to clean and remove debris. Additionally, the 30-foot-deep dry pit pump location can only be accessed by an extremely angled stairway that is also a major safety concern. The dry pit configuration is also susceptible to flooding during extreme weather events. This occurred on two separate occasions including tropical storm Allison in 2001, when the dry pit flooded and was out of service for seven days, while city staff worked to restore operation. The proposed submersible pump configuration is the standard for ninety percent of the City’s existing lift stations and restores the industry standard safety and operational features. This allows all pumps to be safely removed and reinstalled from ground level, along with relocating all discharge valves and electrical controls to an above-ground level. The project generally consists of new pumps and piping, new controls and electrical, new hatches and safety grates, new discharge piping and valves, and miscellaneous minor items. The construction estimate for these improvements is \$397,051.88 and are anticipated to be bid FY 2017.

Sander Engineering Corporation was approved as one of the short listed professional service providers for water and wastewater design services in April 2015 (staff is resubmitting an RFQ for short listed firms). They have been instrumental in the City’s annual program of evaluating, upgrading, and rehabilitating the City’s lift station facilities and have shown experience and knowledge in the lift station infrastructure upgrade, retro-fit improvements, and rehabilitation. Sander Engineering Corporation recently completed the design and construction phase services for the MUD 6 Lift Station Improvements Project and is currently under contract with the City for the design and construction phase services related to the South Shore Harbour No. 3 Lift Station Improvements Project.

Sanders Engineering Corporation has submitted a proposal to perform the design and construction phase services for Countryside # 1 Lift Station Project in an amount not to exceed \$64,800 which includes the following:

Preliminary Design Phase	\$29,800.00
Final Design Phase	\$22,100.00
Bid Phase Service	\$ 3,000.00
Construction Administration	\$ 8,900.00
Reimbursement Expenses	\$ 1,000.00
Total Fee	\$64,800.00

Sander Engineering Corporation’s fee is consistent with the City of Houston fee curve (16%) for similar projects involving pumping station retro-fit/rehabilitation of electrical, structural and mechanical components.

Attachments:

1. Data Sheet
2. Proposed Resolution
3. Professional Services Agreement
4. Sander Engineering Corporation Proposal Exhibits
5. CIP Program Sheet
6. Aerial Map

CONTRACT ORIGINATION: Professional Services Agreement have been reviewed and approved as to form by the City Attorney's office.

FUNDING

{ } NOT APPLICABLE

{X} Funding is available from 2012B CO Issue with expenses charged to WW1705-PLAN DESIG-DESIGN-2012BCO.

{ } Requires Budget Amendment to transfer from Account # _____ to Account # _____