

Item Details

Legistar # 18-0287

Professional Services Contract – Citywide Lift Station Repairs 2018-2019	
<u>Council Meeting Dates:</u> Future Item – March 27, 2018 Action Item – April 10, 2018	<u>Item Being Considered:</u> Motion

RECOMMENDATION:

Authorization to execute a professional services contract with Urban Engineering of Corpus Christi, Texas in the amount of \$385,650 for Citywide Lift Station Repairs 2018-2019 for design, bid and construction phase services. (Capital Improvement Program - CIP).

SUMMARY:

This project provides for continuation of a strategic lifecycle program for future lift station projects with funding requirements and cost benefit analysis for the City's 104 Lift Stations. The project identifies, prioritizes and implements specific capital improvements in a phased design and construction approach to extend lift station service life, reduce long-term maintenance costs, improve flows, and meet the Texas Commission on Environmental Quality (TCEQ) guidelines reduce overflows and redundant systems.

This program is critical to improve the operational capabilities, reduce overflows, and maintain TCEQ compliance that reduces operational and maintenance costs. Many of the lift stations are at the end of their useful life cycle and are at risk for meeting service demands and permit compliancy. The City-Wide Lift Station Repairs program identifies, prioritizes, and implements capital improvements to recapitalize a group of lift stations each year within the approved budget. Each fiscal year, the most critical improvements and lift stations are identified with the most cost effective alternatives.

This contract provides professional services for design, bid and construction phase services for the 2018 program at four lift stations:

- Williams Lift Station
- Everhart Staples Lift Station
- Wooldridge Lift Station
- Morgan Lift Station

Typical improvements include removal, replacement and upgrades to the pumps, pump motors, pump bases, suction and discharge piping, valves, guide rails, electrical, instrumentation, controls, odor control and other miscellaneous items. The construction for these four lift stations is planned for next fiscal year pending approval and funding availability.

The engineer shall complete the necessary field investigations, evaluations and design services to prepare construction documents. The engineering includes:

1. Develop design plans to the City's format and specification documents incorporating all issues with relevant solutions and identifying to the best of the Engineer's knowledge all potential conflicts and offer solutions.
2. Design improvements to the Williams Lift Station to include new pumps and motors, pump control panels, suction and discharge piping, and odor control unit.
3. Design improvements to the Wooldridge Lift Station to include new pumps and motors, pump control panels, and suction and discharge piping.
4. Design improvements to the Everhart Staples Lift Station to include new pumps and motors, pump control panels, and odor control unit.
5. Design improvements to the Morgan Lift Station to include new pumps and motors, pump control panels, suction and discharge piping, and odor control unit.

PREVIOUS COUNCIL / BOARD ACTIONS:

None.