

Item Details

Legistar # 18-0640

Professional Services Contract Amendment – Greenwood Wastewater Treatment Plant Dissolved Air Flotation Unit Rehabilitation & Odor Control	
<u>Council Meeting Dates:</u> Future Item – June 12, 2018 Action Item - June 19, 2018	<u>Item Being Considered:</u> Motion

RECOMMENDATION:

Authorization to award Amendment No. 1 with Hazen and Sawyer of Corpus Christi, Texas in the amount of \$612,500 for a total restated fee of \$661,800 for preliminary design of the Greenwood Wastewater Treatment Plant Dissolved Air Flotation Unit Rehabilitation & Odor Control project.

SUMMARY:

The Greenwood Wastewater Treatment Plant (GWWTWP) experiences odor control problems and the effluent water discharges into Oso Creek, an impaired waterway. Strict TCEQ permitting and discharge requirements are imposed on the GWWTWP because of Oso Creek’s impaired status. With the age and condition of equipment at the plant, the GWWTWP struggles to meet these requirements. This preliminary engineering study is to perform a more comprehensive evaluation of the plant with recommendations for upgrades that include conversion from an anaerobic treatment process to aerobic to reduce odors and improve discharge water quality.

In February 2018, staff administratively executed a professional services contract for preliminary engineering services with Hazen and Sawyer of Corpus Christi (Contract) to investigate the odor emission issues. Amendment No. 1 provides for a more comprehensive evaluation as well as preliminary engineering to convert GWWTWP’s treatment process. Of six City WWTPs, only Greenwood uses the anaerobic treatment process; the remaining plants use aerobic treatment. Based on numerous studies and analyses, staff recommends that the preliminary engineering to convert Greenwood WWTP to an aerobic treatment process be completed through this Amendment.

Completion of the items above will be coordinated with ongoing drainage/flooding evaluations, an ultraviolet improvement project and the headworks rehabilitation project. A strategic plan for future Greenwood WWTP projects will also be developed. Conversion to aerobic is anticipated to help with odor control in addition to allowing a more uniform and effective wastewater operations and maintenance program.

Hazen and Sawyer was selected for this project through Request for Qualifications No. 2017-03 Greenwood Wastewater Treatment Plant Projects, Street Feasibility, Facilities Feasibility and Building Design.

PREVIOUS COUNCIL / BOARD ACTIONS:

None.