



Legislation Details (With Text)

**File #:** 23-0206      **Version:** 1      **Name:** (WW1901E) East Main Lift Station Conversion project  
**Type:** Agenda Item      **Status:** Approved  
**File created:** 4/24/2023      **In control:** Capital Projects  
**On agenda:** 5/9/2023      **Final action:** 5/9/2023  
**Title:** Consider and take action on a resolution authorizing a professional services agreement with Sander Engineering Corporation for the design and construction phase services related to the East Main Lift Station Conversion project (WW1901E) in an amount not to exceed \$202,050 (Executive Director of Capital Projects)

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** 1. Data Sheet, 2. Proposed Resolution, 3. Exhibit A - Professional Services Agreement with Proposal, 4. CIP Project Sheet, 5. Aerial Map, 6. Vendor Report Card

Date	Ver.	Action By	Action	Result
5/9/2023	1	City Council	Approved	Pass

Consider and take action on a resolution authorizing a professional services agreement with Sander Engineering Corporation for the design and construction phase services related to the East Main Lift Station Conversion project (WW1901E) in an amount not to exceed \$202,050 (Executive Director of Capital Projects)

Approval of this resolution authorizes a professional services agreement with Sander Engineering Corporation for the East Main Lift Station Conversion project (WW1901E).

Since the 1990’s, our lift stations have experienced dry pit floodings, including a flood at the East Main Station. Another major dry pit flooding occurred during Tropical Allison in 2001. Six or seven of the lift stations were flooded during this event. Additionally, health and safety of the workers who maintain the pumps and controls became a major concern. The TCEQ regulations on confined-space requirements, history of station flooding, and worker safety caused the City to develop and implement a conversion to a submersible-pump station program. The conversion provides additional wetwell capacity by combining the two pits, keeps the City workers above ground, while allowing pumps to be pulled out for inspections and repairs with much more reliability and the least health and safety risks.

This project will convert the existing dry/wet pit configuration at the East Main lift station to a standard submersible-pump lift station configuration to provide more reliable service during tropical weather events. Sander Engineering will provide design and construction phase services, including new pumps and piping, new controls and electrical system, structural modifications, new hatches and safety grates, new discharge piping valves, and coating of the existing dry pit/wet pit.

The proposed agreement with Sander Engineering is for an amount not to exceed \$202,050.

**Attachments:**

1. Data Sheet
2. Proposed Resolution
3. Professional Services Agreement with Proposal
4. CIP Project Sheet
5. Aerial Map
6. Vendor Report Card

FUNDING

{X} Total funding in the amount of \$202,050 is available from Fund 1055, Miscellaneous Utility Projects Fund, with expenses charged to project expense string WW1901E-PLAN DESIGN-DESIGN-RS CASH.

STRATEGIC PLANNING

{X} Addresses Strategic Planning Critical Success Factor #1: Develop and Maintain our Infrastructure.