



## AGENDA MEMORANDUM

Action Item for the City Council Meeting of March 29, 2022

**DATE:** March 29, 2022

**TO:** Peter Zanoni, City Manager

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### **Professional Services Contract Amendment**

Williams Lift Station Force Main

#### **CAPTION:**

Motion authorizing Amendment No. 1 to a professional services contract with Ardurra, Corpus Christi, TX, to provide design, bid, and construction phase services for the Williams Lift Station Force Main in an amount of \$511,830 for a total contract value not to exceed \$695,120, located in City Council District 4 and 5, with FY 2022 funding available from Wastewater Capital Fund.

#### **SUMMARY:**

This motion authorizes approval of Amendment No. 1 to a professional services contract for design, bid, and construction phase services for the construction of a new Williams Lift Station Force Main.

#### **BACKGROUND AND FINDINGS:**

Williams Lift Station is Corpus Christi's largest lift station and serves the City's future growth on the southside. The Williams Lift Station's force main was installed in 1978 and is a critical asset in the City's wastewater infrastructure system, conveying 30% of the City's waste stream. The force main is a 36-inch ductile iron pipe, which runs from Williams Lift Station to Oso Water Reclamation Plant (WRP) with a total length of 7,850 linear feet.

The force main has experienced several breaks in recent years due to a reduction in pipe wall thickness caused by naturally occurring hydrogen sulfide gases in the wastewater. Recent inspections of the force main and air release valves also showed signs of significant corrosion.

Ardurra provided an Engineering Letter Report in 2021 that considered various alternatives for the replacement or rehabilitation of the existing 36-inch wastewater force main. The alternative selected by Water Utilities was to replace the force main with a new pipeline utilizing more compatible construction materials. This amendment provides for the design, bid, and construction phase services for the construction of a new 36-inch force main.

**PROJECT TIMELINE:**

2020 - 2022	2023			2023 - 2024
October - December	J	F	M	April - April
Design	Bid/Award			Construction

Project schedule reflects City Council award of design services in March 2022 with anticipated completion in April 2024.

**COMPETITIVE SOLICITATION PROCESS:**

LNV, Inc. (Ardurra), was selected in April 2018 under RFQ 2018-01 for the Williams Lift Station Force Main project. The Williams Lift Station Force Main project was one of fifteen projects announced under the Utilities Category of the RFQ. LNV, Inc. (Ardurra), was one of the highest ranked firms in the Utilities Category.

The selection committee was comprised of representatives from the Water Utilities Department and Engineering Services Departments. The final evaluations ranked LNV, Inc. (Ardurra) as the highest ranked firm based on five factors: 1) experience of the firm, 2) experience of the key personnel with specific experience with multiple Bond Street programs and local utilities, 3) project approach and management plan, 4) capacity to meet the project requirements and timelines, and 5) past performance.

LNV, Inc. (Ardurra), has successfully designed several specialized projects. Some of the projects that LNV (Ardurra) has designed include Oso Headworks and Lift Station, O.N. Stevens Water Treatment Plant, New Broadway Wastewater Treatment Plant Effluent Line Rehabilitation, and Resaca Lift Station Upgrades.

**ALTERNATIVES:**

Not awarding the contract amendment for professional services contract to LNV, Inc. (Ardurra), will delay necessary replacement of the Williams Lift Station force main. The force main will require additional maintenance and could possibly result in a wastewater main break. This could cause TCEQ permit violations and fees.

**FINANCIAL IMPACT:**

The fiscal impact in FY 2022 is an amount of \$511,830 with funding available from the Wastewater Capital Fund.

**FUNDING DETAIL:**

Fund: WW 2020 (Fund 4257)  
Mission Elem: Wastewater Collection System (042)  
Project: Williams Lift Station Force Main – Line A (Project No. 18085A)  
Account: Professional Services (530000)  
Activity: 18085-A-4257-EXP  
Amount: \$511,830.00

**RECOMMENDATION:**

Staff recommends approval of the professional services amendment contract with Ardurra, in the amount of \$511,830.00 for the Williams Lift Station Force Main. The design phase will begin in March 2022 with design completion planned in December 2022. Construction is planned to start in April 2023 with completion in April 2024.

**LIST OF SUPPORTING DOCUMENTS:**

Location & Vicinity Maps  
Contract  
CIP Page