



AGENDA MEMORANDUM

Action Item for the City Council Meeting of October 10, 2023

DATE: October 10, 2023

TO: Peter Zaroni, City Manager

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Professional Services Contract Award
Sand Dollar Connection Line 16" (Coral Vine)

CAPTION:

Motion awarding a professional services contract to Garver, LLC., of Houston, Texas, to provide design, bid, and construction phase services for the Sand Dollar 16-Inch Connection Line from the Sand Dollar Water Pump Station to the Coral Vine elevated storage tank in an amount not to exceed \$683,960.00, with FY 2024 funding available from Water Capital Fund.

SUMMARY:

This motion authorizes approval of a professional engineering contract to provide design, bidding and construction phase services for the Sand Dollar Connection Line 16" project from Sand Dollar Water Pump Station to the Coral Vine elevated storage tank.

BACKGROUND AND PURPOSE:

The City of Corpus Christi Water (CCW) Department operates the Padre Island water system on a separate pressure zone from the mainland using the Sand Dollar Pump Station and Coral Vine Elevated Storage Tank (EST) to supply water. The Coral Vine EST was placed into service in 2010.

A proposed 16-inch water line will be designed to convey water between the pump station and elevated storage tank. Interconnections between the new line and the existing distribution system will be made to the existing distribution system to improve the pressure within the system. Water is currently conveyed from the pump station to the Coral Vine EST through the distribution system. The installation of the 16" line provides a more direct route from the pump station to the elevated storage tank. This allows for the elevated tank to be filled much more effectively. Having the ability

to fill the tank in a more effective manner provides better system stability for maintaining proper pressure.

Once the design is completed, the proposed 16-inch water line will be installed within the City’s right-of-way via open cut and/or trenchless construction, which may consist of horizontal directional drilling. Depending upon the construction, street repairs will be required to address any roadway improvements resulting from construction activities. Waterline improvements will also be made leading from the Sand Dollar Pump Station as part of this process. The estimated construction cost in the approved FY 2024 CIP Budget is \$12,000,000 which accounts for construction, restoration, and testing.

PROJECT TIMELINE:

2023 – 2024		2024	2025 – 2026
October – August		September – December	January – March
Design		Bid/Award	Construction

The project schedule reflects City Council award in October 2023 with anticipated design completion by August 2024. Construction is anticipated to begin in January 2025, with an estimated completion by end of March 2026. The length of the timeline includes the expected time for subsurface utility exploration that will be required to confirm location of all utilities in critical locations. Hydraulic modeling will also be required to map and better understand specific impacts to the system. CCW will actively work with Garver, LLC. to keep this timeline accurate and to try to improve the schedule as the project develops.

COMPETITIVE SOLICITATION PROCESS

The Contracts and Procurement Department issued a Request for Qualifications on December 07, 2022, with the RFQ Number 4413 for Professional Engineering Services for Capital Improvement Projects FY2023. The City received statements of qualifications from 15 firms and a technical evaluation was performed by the selection committee. The selection committee consisted of representatives from Engineering Services, CCW, and the City Manager’s Office.

Firm ranks were based on three factors:

1. Experience of the firm
2. Experience of the key personnel with specific experience with similar projects
3. Understanding of Project Scope.

Garver, LLC. was the highest ranked firm. Garver, LLC. has over 100 years of experience in the planning and design of water-related infrastructure projects and facilities. Garver, LLC. has completed several relevant projects for similar municipalities in recent history. These projects include, but are not limited to, the West Harris County Regional Water Authority Segment 3 Water Line, Friendswood Water System Improvements, Fulshear WTP Expansion, and Bay City Water Plant Improvements which have a total value of \$37,200,000.

Garver, LLC. previously held a master service agreement with the Corpus Christi Department of Aviation to provide professional engineering services and support for numerous projects on the airfield. Garver LLC.’s staff for this project is from Houston and Harlingen. Additionally, Garver LLC. is actively working to establish an office in Corpus Christi. Currently, Garver LLC. has two positions posted for hire for a new office in Corpus Christi. One of the positions is a management lead, and they plan to use the person once hired to open and staff the local office.

ALTERNATIVES:

The alternative is not to award the proposed agreement to Garver, LLC. However, not awarding the proposed agreement to Garver, LLC. will delay necessary improvements and may affect the ability to satisfy the safety, operational, and regulatory requirements as dictated by the Texas Commission on Environmental Quality (TCEQ).

FISCAL IMPACT:

The fiscal impact in FY 2024 is an amount of \$683,960.00 with funding available from the Water CIP Fund, specifically from the design and construction categories of Project 23021 Sand Dollar Connection Line 16”.

FUNDING DETAIL:

Fund: WTRCP RR 032950 2023 (Fund 4487)
Department: Water (45)
Organization: Grants & Capital Projects Funds (89)
Project: Sand Dollar Connection Line 16” (Coral Vine) (Project No. 23021)
Account: Outside Consultants (550950)
Activity: 23021
Amount: \$683,960.00

RECOMMENDATION:

Staff recommend approval of the proposed agreement with Garver, LLC. in an amount not to exceed of \$683,960.00 for the Sand Dollar 16” connection line project.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Evaluation Matrix
Proposal
CIP Page
Presentation