



## **AGENDA MEMORANDUM**

Action Item for the City Council Meeting of April 13, 2021

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**DATE:** April 13, 2021

**TO:** Peter Zaroni, City Manager

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<p><b><u>Professional Services Contract</u></b> <b>Bay Water Quality Improvements</b></p>
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**CAPTION:**

Motion awarding a professional services contract to Lockwood, Andrews & Newnam, Inc., Corpus Christi, Texas, for engineering design, bid, and construction phase services for the Bay Water Quality Improvements project that will identify and design solutions for the removal of trash and other floatable items in the storm water system before it is discharged in the Corpus Christi Bay, in an amount of \$165,784.00, with FY 2021 funding available from the Storm Water Capital Fund.

**SUMMARY:**

This motion awards a professional services contract to provide engineering design, bid, and construction phase services for the Bay Water Quality Improvements. This project includes evaluating long- and short-term design solutions to include catch basin screens, solid interceptors, hydrodynamic separators, and other devices to remove trash and other floatable items from storm water before it enters Corpus Christi Bay.

**BACKGROUND AND FINDINGS:**

The Corpus Christi Bay is a popular year-round tourist attraction. Visitors enjoy many features located along the bay such as the Seawall, Shoreline Boulevard, Water's Edge Park, the Marina,

and McGee Beach. The Corpus Christi Bay has developed into a major recreational area and it is imperative that it maintain its aesthetics and welcoming natural environment.

The City's stormwater is discharged in the Corpus Christi Bay through a series of four outfalls located in the area stretching from the Convention Center to Christus Spohn Shoreline Hospital along Shoreline and Ocean Drive (about half a mile long). These outfalls have a history of depositing floatable items (cups, bottles, paper, bags) and trash into the bay. As a result, problems have developed into citizen complaints, environmental degradation, aesthetic issues, public health concerns, and have become a regulatory compliance concern such as not meeting federal and state surface water quality standards for recreation. Additionally, they cause issues that can impact the aquatic life and pollute the waters used for tourism and recreation. To address the issue inlet baskets are being used at curb inlets to stop debris from getting into the storm water system. Due to the high number of inlets, maintenance of the devices is time consuming and costly. This project will greatly reduce the number of locations to maintain.

This professional services contract will provide long- and short-term recommendations for installing catch basin devices, trash and debris interceptors, and other treatment devices for the stormwater systems in the different drainage basins in the downtown Corpus Christi area primarily along Shoreline Drive and partially along Ocean Drive. The project scope will also include 100% design plans for the different methods and their related cost estimates. This project will not include addressing other materials that enter the bay through these outfalls such as sand, oils, sediments, grass clippings, and others. This project will reduce the volume of waste material entering the Bay from the storm drainage system.

#### **PROJECT TIMELINE:**

2021									2022								
A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
Design									Bid/ Award			Construction					

Project schedule reflects City Council award of design in April 2021 with anticipated completion September 2022.

#### **COMPETITIVE SOLICITATION PROCESS**

Contracts and Procurement conducted a competitive Request for Qualification (RFQ 2667) process to obtain proposals for Professional Engineering Services. One firm submitted for the Bay Water Quality Improvements project. Based on LAN's qualification and experience, LAN was selected for the Bay Water Quality Improvements project.

The selection committee was comprised of representatives from the Utilities Department, Streets Department, and Engineering Services. The final evaluation ranked LAN as the highest ranked firm based on five factors: 1) firm's experience and qualifications, 2) experience and qualifications of the project manager and key staff, 3) project approach and management plan, 4) capacity to meet the project requirements and timelines, and 5) past performance.

LAN has provided professional services for several City projects. Some of the projects are Marina Breakwater at McGee Beach Improvements, Major Ditch IDIQ, Citywide Large-Size Waterline Assessment and Repairs and the North Beach Navigable Canal study.

### **ALTERNATIVES:**

Any alternative to awarding this contract to LAN, will delay construction of the project. Trash and debris will continue to pollute Corpus Christi Bay

### **FISCAL IMPACT:**

The fiscal impact for FY 2021 is an amount of \$165,784.00 for the Bay Water Quality Improvements project with funding available for the Storm Water Capital Fund.

The Capital Improvement Program (CIP) shows the design project is ready to be implemented in FY 2021. The CIP expenditures for design were budgeted at \$160,000.00. The remaining amount of \$5,784.00 is available under the Contingency expenditure for this project.

### **FUNDING DETAIL:**

This project is listed in the FY 2021 Capital Improvement Program and is ready to be implemented.

Fund: **Storm Water 2021 CIP (Fund 4533)**  
Mission Elem: Storm Water Drainage (043)  
Project: Bay Water Quality Improvements (Project No. 20114A): Please reference project 20078A in the FY 2020-2021 Capital Budget.  
Account: Outside Consultants (550950)  
Activity: 20114-A-4533-EXP  
Amount: \$165,784.00

### **RECOMMENDATION:**

Staff recommends award of the professional services contract with LAN in the amount of \$165,784. The design phase will start in April with design completion planned in November 2021. Construction is planned to start in March 2022 with completion in August of 2022.

### **LIST OF SUPPORTING DOCUMENTS:**

Location and Vicinity Map  
Contract