



AGENDA MEMORANDUM

Action Item for the City Council Meeting of September 15, 2020

DATE: August 31, 2020

TO: Peter Zaroni, City Manager

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Professional Services Contract Amendment No. 1
Whitecap Wastewater Treatment Plant Improvements

CAPTION:

Motion recommending City Council approval of Amendment No. 1 to Lockwood, Andrews & Newman, Inc., Corpus Christi, Texas to provide engineering design, bid and construction phase services for the Whitecap Wastewater Treatment Plant Improvements in an amount of \$906,888 for a total contract value not to exceed \$956,188, located in City Council District 4, with funds available from the FY 2020 Wastewater Capital Improvement Program Budget.

SUMMARY:

This motion recommends City Council approval of Amendment No. 1 for professional services contract with Lockwood, Andrews & Newman, Inc., (LAN) to provide engineering design, bid and construction phase services associated with the Whitecap Wastewater Treatment Plant Improvements project.

BACKGROUND AND FINDINGS:

The Whitecap Wastewater Treatment Plant (WWTP) was originally constructed in 1974 as a traditional activated sludge wastewater treatment plant with a capacity of 0.5 million gallons per day (MGD) to serve the residents of North Padre Island. The plant was expanded in 1991 to increase capacity to 0.8 MGD. The last expansion occurred in 1997 that permitted for an average daily flow of 2.5 MGD and a 2-hour peak flow of 7.5 MGD. The WWTP suffers from significant equipment condition deficiencies and antiquated equipment. Major systems upgrades are required to ensure compliance with the plant's effluent (treated wastewater) quality standards set by the Texas Commission on Environmental Quality (TCEQ)

A small contract was approved in August 2018 to allow for condition assessment and WWTP performance evaluation activities. The condition assessment was completed in May 2019. This amendment covers the detailed engineering design, permitting, bid document preparation, and construction phase services required to complete the Whitecap WWTP upgrades.

Plant elements that will receive upgrades under this design and construction contract include:

- Bar Screen Building (Headworks)
- Influent Lift Station
- Grit Removal
- Aeration Basins
- Secondary Clarifier #1
- Secondary Clarifier #2
- RAS / WAS Sludge Pump Station
- Aerobic Digesters
- Blower House #1 (Feeds Digesters)
- Solids Handling Facility

PROJECT TIMELINE:

2020 - 2021		2021				2022 - 2024	
Sept - Aug	S	O	N	D	January - January		
Design	Bid/Award				Construction		

Project schedule reflects City Council award of Amendment No. 1 in September 2020 with anticipated design completion in August 2021. Upon completion of the design, construction work will be bid.

COMPETITIVE SOLICITATION PROCESS:

LAN was selected under Group B-Utility Projects for RFQ 2018-01 in April 2018. LAN was selected as the most qualified of nine applicants for this project. Whitecap Wastewater Treatment Plant Improvements was one of fifteen projects announced under the Group B-Utilities Projects Category of the RFQ.

The selection committee was comprised with representatives from the Utilities Department and Engineering Services Departments. Firms were ranked 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.

ALTERNATIVES:

Not awarding the contract amendment for professional services to LAN will delay necessary improvements to the Whitecap Wastewater Treatment Plant and may affect the ability to meet the operational and regulatory requirements.

FINANCIAL IMPACT:

This fiscal impact for FY 2020 is an amount of \$906,888 for a total contract amount not to exceed

\$956,188, with funds available from FY 2020 Wastewater Capital Improvement Program Budget.

FUNDING DETAIL:

Fund: **Wastewater Capital Reserve (Fund 4510)**
Mission Elem: Wastewater Collection System (042)
Project: Whitecap Wastewater Treatment Plant Improvements (18087A)
Account: 550950 Design
Activity: 18087-A-4510-EXP
Amount: \$906,888

The funds budgeted for this project in Capital Improvement Program (CIP) for FY 2021 will be revised to show total funding in the Design category.

RECOMMENDATION:

Staff recommends approval of the professional services amendment contract with LAN in the amount of \$906,888 for the Whitecap Wastewater Treatment Plant Improvements. The design phase will begin in September 2020 with completion planned in August 2021. The construction is planned to start in January 2022 with completion in January 2024.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Contract