

## AGENDA MEMORANDUM

Action Item for the City Council Meeting of June 15, 2021

**DATE:** June 15, 2021

**TO:** Peter Zaroni, City Manager

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**Construction Contract Award**  
**Boat Basin Dredging & McGee Beach Breakwater Repairs**

**CAPTION:**

Resolution awarding a construction contract to Cayo LLC, Fort Worth, Texas, for the Boat Basin Dredging near the Corpus Christi Marina between McGee Beach and R-Pier and Breakwater Repairs at McGee Beach, located in Council District 1, in an amount of \$5,704,725.00, with FY 2021 funding available from the Seawall CIP Fund.

**SUMMARY:**

This motion approves a construction contract for the Boat Basin Dredging and McGee Beach Breakwater Repairs. The scope includes dredging shoaled areas at the Marina between the McGee Beach breakwater and R-Pier and repairs to the breakwater adjacent to the downtown marina and McGee Beach. The dredged material will be placed at the Rincon B West Dredge Material Placement Area.

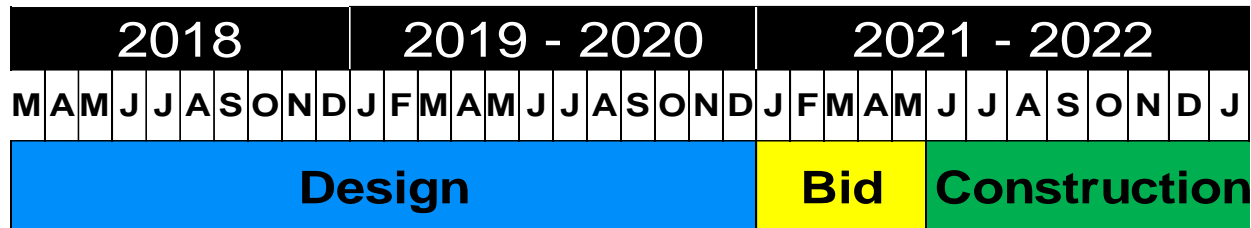
**BACKGROUND AND FINDINGS:**

The marina breakwater was originally constructed in the 1920's. The breakwater reduces wave energies to the area enclosed by the breakwater protecting vessels and infrastructure. In 1946, a concrete cap was added to the breakwater that extended approximately 1,750 feet north from McGee Beach. The concrete cap was re-built in 1981. Wave action to the breakwater's concrete cap is causing severe structural degradation due to age, environmental exposure, and excessive wave activity. The proposed improvements will make repairs to the existing stone breakwater and remove and replace the existing concrete cap with one that is two feet wider and one foot taller.

The marina is also experiencing shoaling between the breakwater and the R-Pier. The shoaling is constricting navigation by reducing navigable water depth within the basin along the entrance and the southern end of the marina. There is also shoaling around the breakwater at the marina entrance. This material needs to be dredged to prevent further impediments to navigation.

Originally, the City intended to use the dredged material for beach nourishment of McGee Beach; however, analyses indicated the dredge material is contaminated and not suitable for re-use. Therefore, the City had to seek an alternative location for the placement of the material. On February 9, 2021, Council approved a license agreement with the Port of Corpus Christi Authority (POCCA) that allows the City to place dredge material at the Rincon B West Dredge Material Placement Area. The POCCA agreement meets the required permitted Dredge Material Placement Area. Project savings from this project will allow the City to seek alternate methods for the nourishment of McGee Beach as originally intended.

**PROJECT TIMELINE:**



Project schedule reflects City Council award of construction contract in July 2021 with anticipated completion in January 2022.

**COMPETITIVE SOLICITATION PROCESS**

The Contracts and Procurement Department issued a Request for Bids on April 21, 2021. The City received bids from two bidders. The City analyzed the submitted bids in accordance with contract documents and determined Cayo, LLC was the lowest responsive and responsible bidder. A summary of the bids is provided below.

BID SUMMARY	
CONTRACTOR	BASE BID
<b>Cayo, LLC</b>	<b>\$5,704,725.00</b>
Callan Marine	\$10,165,321.00
<b><i>Engineer’s Opinion of Probable Cost</i></b>	<b>\$3,326,840.00</b>

Cayo, LLC has not previously completed any projects for the City of Corpus Christi. Cayo, LLC has completed marina projects for other entities such as construct a reef with boulders for Charlotte County Government, Florida, construct concrete cap seawall for Jacksonville District United States Army Corps of Engineers (USACE), Florida, construct concrete floodwall for New Orleans District USACE, Louisiana, dredging of submerged debris in Corpus Christi Ship Channel for Galveston District USACE, Texas, and construct beach front pile for Manatee County Government, Florida.

**ALTERNATIVES:**

The alternative is not to award the construction contract to the low bidder. This option would jeopardize the functionality of the seawall during a storm’s longer duration or greater intensity and wave access within the marina.

**FISCAL IMPACT:**

The fiscal impact in FY 21 is an amount of \$5,704,725 with funding available from the Seawall CIP Fund. The total cost breakdown for each two-year project is an amount of \$2,432,725.00 for Breakwater Repairs and \$3,272,000.00 for Boat Basin Dredging. The Capital Improvement Plan (CIP) reflects both these projects in FY 2021 with sufficient funding available for project completion. The breakdown for each project in FY 2021 is an amount of \$2,432,725.00 for Breakwater Repairs and \$1,100,000.00 Boat Basin Dredging. The remaining funding of \$2,172,000.00 for the Boat Basin Dredging will be provided for in FY 2022. Project savings from these projects will allow the City to seek alternate methods for the nourishment of McGee Beach as originally intended.

**FUNDING DETAIL:**

The Capital Improvement Program (CIP) shows the projects are planned for and ready to be implemented in FY 2021.

Fund: **Seawall Fund (Fund 3271)**  
Mission Elem: Seawall (707)  
Project No.: Phase I Breakwater Repairs - McGee Beach (Project No. E16318)  
Account: Construction Contract (550910)  
Activity: E16318-01-3271-EXP  
Amount: \$2,432,725.00

Year 1: \$2,432,725.00  
Year 2: \$0.00

Fund: **Seawall Fund (Fund 3271)**  
Mission Elem: Seawall (707)  
Project No.: McGee Beach Nourishment / Boat Basin Dredging (Project No. E16321)  
Account: Construction Contract (550910)  
Activity: E16321-01-3271-EXP  
Amount: \$3,272,000.00

Year 1: \$1,100,000.00  
Year 2: \$2,172,000.00

**RECOMMENDATION:**

City staff recommends awarding a construction contract to Cayo, LLC for the Boat Basin Dredging and McGee Beach Breakwater Repairs projects in the amount of \$5,704,725.00, with FY 2021 and FY 2022 funding available from Seawall CIP Fund.

**LIST OF SUPPORTING DOCUMENTS:**

Resolution  
Location Map  
Bid Tabs  
CIP Project Pages  
License Agreement with POCCA