



## AGENDA MEMORANDUM

Action Item for the City Council Meeting of August 25, 2020

**DATE:** August 14, 2020

**TO:** Peter Zanoni, City Manager

**FROM:** Jeff H. Edmonds, P. E., Director of Engineering Services  
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### **Professional Services Contract Amendment No. 3**

Packery Channel Monitoring

#### **CAPTION:**

Motion approving Amendment No. 3 with Texas A&M University – Corpus Christi to provide professional services in the amount of \$156,472.00 for a total contract value not to exceed \$401,451.00 for Packery Channel Monitoring, to provide guidance following damage during Hurricane Hanna; located in City Council District 4, with funds available from Tax Increment Reinvestment Zone No. 2 Capital Fund.

#### **SUMMARY:**

This motion recommends City Council approval of the professional service contract in the amount of \$156,472.00 with Texas A&M University – Corpus Christi (TAMU-CC), Texas to provide post storm Hurricane Hanna monitoring services and emergency survey of Packery Channel and the adjacent beaches along Mustang Island and North Padre Island.

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

Packery Channel provides an outstanding feature for our community for natural habitat, navigation, and recreational opportunities. The monitoring began in 2003 with Texas A&M University - Corpus Christi (TAMU-CC) as part of the City's initiative to support research-based management of this system. This information is used to determine future dredging requirements to maintain the navigable waterway. As a result of the monitoring, it was discovered the anticipated dredging requirements were substantially different than originally projected. The scour from eddy currents and tidal flows better "flush" the channel and change the rate of sedimentation, and therefore reduces dredging frequency.

The monitoring program consists of seasonal investigations of shoaling and scour from the Deposition Basin at HWY 361 to the channel mouth at the Gulf of Mexico. The program also includes one annual survey for the full length of Packery Channel and includes Beach surveys

from the Fish Pass to approximately one mile south of Bob Hall pier. The information helps the City determine the optimal time and areas to dredge to avoid early dredging and unnecessary cost. Post-dredge surveys allow for evaluating effectiveness of the dredging. The information is critical to navigation safety and placement of navigation aids, beach nourishment planning, structural stability assessment for coastal structures and other channel features.

Previously approved contract amendments provided survey of the shoaling in the channel up to May 2020. This amendment provides emergency post-storm survey of the Packery Channel, adjacent beaches, and coastal structures to provide guidance following damage during Hurricane Hanna.

### **PROJECT TIMELINE:**

If approved by City Council in August 2020, work will begin after the issuance of notice to proceed with approximate completion by October 2020.

### **COMPETITIVE SOLICITATION PROCESS:**

Texas A&M University - Corpus Christi was selected for the Packery Channel Monitoring project in April 2018 under RFQ 2018-01. Five firms submitted under the Packery Channel Category. Texas A&M University - Corpus Christi., was one of the highest ranked firms in the Category and the Packery Channel Monitoring project was their first stated preference.

The selection committee consisted of representatives from the Engineering Services Department. 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 professional services contract amendment to Texas A&M University - Corpus Christi, will delay necessary repairs to the Packery Channel due to Hurricane Hanna.

### **FINANCIAL IMPACT:**

This item will award the professional services contract to Texas A&M University - Corpus Christi for Packery Channel Monitoring in the amount of \$156,472.00 for a total contract value not to exceed \$401,451.00, effective upon issuance of notice to proceed, with funding approved and available from TIF2 Capital Fund 3278.

### **FUNDING DETAIL:**

Funding of the project will be available through TIF2 Capital Fund.

Fund: 3278 – TIF2 Capital  
Mission Elem: Infrastructure (717)  
Project No.: Packery Channel Monitoring (18140A)  
Account: 550950 - Design  
Activity: 18140-A-3278-EXP

### **RECOMMENDATION:**

Staff recommends approval of the professional services amendment contract with Texas A&M

University - Corpus Christi, in the amount of \$156,472.00 for the Packery Channel Monitoring.

**LIST OF SUPPORTING DOCUMENTS:**

Location & Vicinity Maps  
Contract