



## **AGENDA MEMORANDUM**

Future Item for the City Council Meeting of May 23, 2017

Action Item for the City Council Meeting of May 30, 2017

**DATE:** May 16, 2017

**TO:** Margie C. Rose, City Manager

**THRU:** Keith Selman, Assistant City Manager  
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**FROM:** Jay Ellington, Director Parks & Recreation  
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### **Contract for Professional Services**

Packery Channel Monitoring

### **CAPTION:**

Motion authorizing the City Manager, or designee, to execute a contract for professional services with Texas A & M University - Corpus Christi (TAMU-CC) in the amount of \$257,745 for Packery Channel Monitoring.

### **PURPOSE:**

The purpose of this Agenda Item is to obtain authority to execute an agreement with TAMU-CC to continue monitoring services of Packery Channel.

### **BACKGROUND AND FINDINGS:**

The Packery Channel provides an outstanding feature for our community for natural habitat, navigation and recreational opportunities. The Channel monitoring was a USACE Permit requirement to study the effects of tidal flow and eddy currents that cause shoaling and scour. This information is then used to determine future dredging requirements to maintain the navigable waterway. 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. As a result of the monitoring, it was discovered that the anticipated dredging requirements were substantially different than originally projected. The scour from the eddy currents and tidal flows better "flush" channel and change the rate of sedimentation and therefore the dredging frequency.

The monitoring program consists of three seasonal investigations of the shoaling and scour in the channel and mouth to the Gulf of Mexico. The information helps the City to determine the optimal time and areas to dredge to avoid early dredging and unnecessary cost. The post-dredge allows evaluating the effectiveness of the dredging. The information is also critical to navigation safety and placement of navigation aids, beach nourishment planning, structural stability assessment for coastal structures and other channel features.

This proposed agreement will provide for the monitoring of Packery Channel commencing in Summer 2017 through Spring 2018 (one monitoring year).

**ALTERNATIVES:**

1. Approve the Agreement with TAMU-CC as proposed.
2. Do not approve the Agreement with TAMU-CC as proposed.

**OTHER CONSIDERATIONS:**

On March 7, 2017, the Island Strategic Action Committee (ISAC) recommended a one year agreement for City Council consideration.

**CONFORMITY TO CITY POLICY:**

The contract and selection process complies with Professional Procurement Act, City Policy, statutes regarding Fiscal Year 2016-2017 Capital Improvement Budget, and conforms to the appropriation and use requirements of ISAC and the Tax Increment Reinvestment Zone (TIRZ) No. 2.

**EMERGENCY / NON-EMERGENCY:**

Non-emergency

**DEPARTMENTAL CLEARANCES:**

Parks and Recreation

**FINANCIAL IMPACT:**

☐ Operating      ☐ Revenue      ☒ Capital      ☐ Not applicable

<b>Fiscal Year 2016-2017</b>	<b>Project to Date Expenditures (CIP only)</b>	<b>Current Year</b>	<b>Future Years</b>	<b>TOTALS</b>
Line Item Budget		\$510,000.00		\$510,000.00
Encumbered / Expended Amount				
<b>This item</b>		<b>257,745.00</b>		<b>257,745.00</b>
Future Anticipated Expenditures		8,150.00		8,150.00
<b>BALANCE</b>		<b>\$244,105.00</b>		<b>\$244,105.00</b>

Fund(s): Packery Channel Projects TIF #2

**COMMENTS:**

This agreement will result in an expenditure not to exceed \$257,745.

**RECOMMENDATION:**

City staff recommends the approval the Agreement for Professional Monitoring be awarded to TAMU-CC.

**LIST OF SUPPORTING DOCUMENTS:**

Contract  
Project Budget  
Location Map  
Presentation