



AGENDA MEMORANDUM

Future Item for the City Council Meeting of October 18, 2016
Action Item for the City Council Meeting of October 25, 2016

DATE: October 12, 2016

TO: Margie C. Rose, City Manager

THRU: Mark Van Vleck, Assistant City Manager
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<u>Execute Master Services Agreement</u> Packery Channel Monitoring

CAPTION:

Motion authorizing the City Manager, or designee, to execute a five year Master Services Agreement between the City of Corpus Christi and Texas A & M University - Corpus Christi (TAMU-CC) for Packery Channel Monitoring in an amount not to exceed \$2,000,000 with approval of Task Order No. 1 in the amount of \$257,745 for Fiscal Year 2016-2017 monitoring. (Year 1)

PURPOSE:

The purpose of this Agenda Item is to obtain authority to execute a Master Services Agreement with TAMU-CC to continue monitoring services of Packery Channel.

BACKGROUND AND FINDINGS:

Packery Channel provides an outstanding feature for our community for natural habitat, navigation and recreational opportunities. The Channel monitoring was a United States Army Corps of Engineering (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 lower than originally projected. The scour from the eddy currents and tidal flows better "flushed" the channel and changed the rate of sedimentation build-up therefore changing 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 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. The contract also includes monitoring for any storm events to assist with understanding the effects on the channel, for FEMA reimbursement documentation, and sensitive habitat management at the Mollie Beattie Coastal Habitat Community.

This proposed agreement will provide for the monitoring of Packery Channel for a term of five (5) years beginning in FY 2017 through FY 2022. In an effort to reduce City staff effort and overhead costs, the monitoring program will shift from a yearly contract amendment format to a 5-year contract agreement. This will allow work to proceed without interruption. All work will be directed by Task Orders based on need and availability of funds.

ALTERNATIVES:

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

OTHER CONSIDERATIONS:

This Master Services Agreement and Task Order No. 1 (2016-2017) was presented to the Island Strategic Action Committee (ISAC) on September 13, 2016 and was recommended 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. This item requires a 2/3 vote as per Charter requirements.

EMERGENCY / NON-EMERGENCY:

Non-emergency

DEPARTMENTAL CLEARANCES:

Parks and Recreation

FINANCIAL IMPACT:

☐ Operating ☐ Revenue ☒ Capital ☐ Not applicable

Fiscal Year 2016-2017	Project to Date Budget and Expenditures	Current Year	Future Years	TOTALS
Line Item Budget		\$510,000.00	\$1,020,000.00	\$1,530,000.00
Encumbered / Expended Amount				
Task Order No. 1		257,745.00		257,745.00
Future Expenditures		32,218.13	1,020,000.00	1,052,218.13
BALANCE		\$220,036.88	\$0.00	\$220,036.88

Fund(s): Packery Channel Projects TIF #2

COMMENTS:

Within this authorization, as with previous authorizations, is the ability to issue a task order for an event study to survey system damage and recommend system recovery strategies after a major storm event.

RECOMMENDATION:

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

LIST OF SUPPORTING DOCUMENTS:

Contract
Project Budget
Location Map
Presentation