



AGENDA MEMORANDUM

Future Item for the City Council Meeting of March 19, 2019
Action Item for the City Council Meeting of March 26, 2019

DATE: March 14, 2019

TO: Keith Selman, Interim City Manager

THRU: Mark Van Vleck, Assistant City Manager
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Professional Services Contract Amendment

Packery Channel Monitoring
(Packery Channel TIF #2)

CAPTION:

Motion to authorize execution of Amendment No. 1 with Texas A & M University - Corpus Christi (TAMU-CC) in the amount of \$188,123 for a total restated fee of \$238,114 for Packery Channel Monitoring.

PURPOSE:

This amendment continues annual monitoring services 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. Channel monitoring was originally a U.S. Army Corps of Engineers (USACE) Permit requirement to study the effects of tidal flow and eddy currents that cause shoaling and scour. 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 dredging frequency.

The monitoring program consists of three 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.

This proposed agreement will provide for monitoring of Packery Channel commencing in Spring 2019 through Spring 2020 (one monitoring year).

ALTERNATIVES:

1. Authorize execution of Amendment. (Recommended)
2. Do not authorize execution of Amendment. (Not Recommended)

OTHER CONSIDERATIONS:

On January 17, 2019, the sub-committee for the Island Strategic Action Committee (ISAC) recommended a one-year agreement for City Council consideration.

On January 22, 2019, the Tax Increment Reinvestment Zone (TIRZ) #2 recommended a one-year agreement for City Council consideration.

CONFORMITY TO CITY POLICY:

The contract and selection process comply with Professional Procurement Act, City Policy, statutes regarding Fiscal Year 2018-2019 Capital Improvement Budget, and conforms to the appropriation and use requirements of ISAC and TIRZ # 2.

EMERGENCY / NON-EMERGENCY:

Non-emergency

DEPARTMENTAL CLEARANCES:

Parks and Recreation

FINANCIAL IMPACT:

☐ Operating ☐ Revenue ☒ Capital ☐ Not applicable

| Fiscal Year 2018-2019 | Project to Date Expenditures (CIP only) | Current Year | Future Years | TOTALS |
|------------------------------------|--|---------------------|---------------------|----------------|
| Line Item Budget | 51,339 | 205,000 | | 256,339 |
| Encumbered / Expended Amount | 51,339 | | | 51,339 |
| This item | | 188,123 | | 188,123 |
| Future Anticipated Expenditures | | 16,877 | | 16,877 |
| BALANCE | 0 | 0 | | 0 |

Fund(s): Packery Channel Projects TIF #2

RECOMMENDATION:

City staff recommends approval of Amendment No. 1 for Professional Monitoring be awarded to TAMU-CC.

LIST OF SUPPORTING DOCUMENTS:

Amendment 1
Project Budget
Location Map
Presentation