

**INDIAN RIVER COUNTY, FLORIDA
BOARD MEMORANDUM**

CONSENT

TO: Jason E. Brown,
County Administrator

THROUGH: Richard B. Szpyrka, P.E.
Public Works Director

FROM: Kendra Cope, M.S.
Coastal Resources Coordinator

SUBJECT: **Work Order No. 2018029-5 APTIM: LGFR and Immediate Post-
Construction Environmental Monitoring**

DATE: August 13, 2019

DESCRIPTION AND CONDITIONS

On April 3, 2018, the Board approved a contract with APTIM Environmental & Infrastructure, LLC. (Aptim) for professional coastal engineering and biological support services related to the management and restoration of the Sector 5 (City of Vero Beach) beach project area. The Sector 5 project area is a 3-mile section of shoreline that extends just north of Tracking Station Beach Park south to the Gables Oceanfront Condominiums and sustained damages from Hurricane Matthew (2016) and Hurricane Irma (2017). A large-scale beach and dune nourishment project to maintain protection to upland properties and infrastructure is anticipated to begin in Fall 2019 and continue through April 2020.

First, the proposed Work Order No. 2018029-5, in the amount of \$185,731.66, provides professional services for permit required immediate post construction environmental monitoring including:

- Immediate Post Construction Monitoring of Sea Turtle and Shorebird Nesting
- Immediate Post Construction Biological Monitoring of Nearshore Hardbottom

Second, every year the Department of Environmental Protection recommends local sponsors submit a request for reimbursement for beach restoration projects through the State's Beach Management Program via annual Local Government Funding Request (LGFR). The proposed Work Order No. 2018029-5 provides professional services to:

- Prepare an LGFR for the Sector 5 Beach and Dune Restoration Project

Staff worked with APTIM to reduce Work Order No. 2018029-5 costs where feasible.

All subsequent annual post construction environmental monitoring of the Sector 5 Project area, and annual LGFR submittals will be addressed through future work orders.

FUNDING

Local funding for beach restoration is provided by a portion of Local Option Tourist Tax. Funding for WO#2018029-5 in the total of \$185,731.66 is proposed in the 2019/2020 FY budget request. Once approved, funding will be available in the Beach Restoration Fund, Hurricane Matthew Account - Sector 5, No. 12814472-066510-17001.

State and Federal Cost-Share:

The County currently has two Project Worksheets (PW) issued by FEMA for Sector 5 Beach and Dune Restoration. Both the Hurricane Matthew PW #808 and the Hurricane Irma PW #3025 have been obligated by the State. This FEMA funding, in the amount of approximately \$931,448, will aid the County in repairing associated storm losses within the project area.

RECOMMENDATION

The recommendation of staff is for the Board to approve Work Order No. 2018029-5, in the amount of \$185,731.66, to the contract with APTIM Environmental & Infrastructure, LLC. and authorize the Chairman to sign on behalf of the County.

ATTACHMENT

APTIM Work Order No. 2018029-5

APPROVED AGENDA ITEM FOR: SEPTEMBER 10, 2019