

INDIAN RIVER COUNTY, FLORIDA BOARD MEMORANDUM

TO: Jason E. Brown,
County Administrator

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

FROM: Kendra Cope, M.S.,
Coastal Environmental Specialist

SUBJECT: **Work Order No. 2018029-2 APTIM Environmental and Infrastructure,
Inc. Sector 5 Beach Restoration Project 2019 Pre-Construction Sea Turtle
Monitoring Services**

DATE: January 25, 2019

DESCRIPTION AND CONDITIONS

On April 3, 2018, the Board approved a contract with Aptim Environmental & Infrastructure, Inc. (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. Ecological Associates Inc., (EAI) is APTIM's Sub-Consultant for sea turtle related monitoring.

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. This area sustained damage from Hurricane Matthew (2016) and Hurricane Irma (2017) and is in need of a large-scale beach and dune nourishment project to maintain protection to upland properties and infrastructure. The County has been issued two Project Worksheets (PW) by FEMA for Sector 5 beach re-nourishment. The Hurricane Matthew PW #808 has been obligated and the Hurricane Irma PW #3025 is under FEMA/Environmental Planning & Historic Preservation Review (EHP). This FEMA funding will aid the County in recovering associated storm losses within the project area.

The proposed Work Order No. 2018029-2 provides 2019 pre-construction biological monitoring services relative to sea turtle monitoring and reporting of the Sector 5 Beach Restoration Project, expected to begin November 2019. The 2019 pre-construction monitoring entails the following:

- Daily nesting surveys and nest monitoring
- One nighttime lighting survey
- Late season nest relocations – *if necessary*
- State reporting

Work Order No. 2018029-2 services will be conducted by the consultant at a fixed rate cost not to exceed \$76,368.09.

FUNDING

Local funding of Beach Restoration includes a portion of Local Option Tourist Tax Revenue as well as allocation of the One Cent Sales Tax. Funding for \$76,368.09 is budgeted and available for the Sector 5 Beach Restoration Project in the Beach Restoration Fund, Hurricane Matthew Account - Sector 5, No. 12814472-066510-17001.

With the issuance of FEMA Project Worksheets (No.00808 – Hurricane Matthew, No.3025 – Hurricane Irma), project related design, permitting, and construction expenses are eligible for up to 87.5% in Federal and State cost share.

Additionally, although a Florida Department of Environmental Protection grant funding has not been appropriated for the Sector 5 Beach and Dune Restoration Project to date, Work Order No. 2018029-2 is eligible for 46.65% cost share reimbursement if State funds become available.

RECOMMENDATION

The recommendation of staff is for the Board to approve Work Order No. 2018029-2 to the contract with APTIM Environmental and Infrastructure, Inc. and authorize the Chairman to sign on behalf of the County.

ATTACHMENT

APTIM Work Order No. 2018029-2

APPROVED AGENDA ITEM FOR: FEBRUARY 5, 2019