

**INDIAN RIVER COUNTY, FLORIDA
BOARD MEMORANDUM**

TO: Jason E. Brown
County Administrator

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

FROM: James D. Gray, Jr.
Natural Resources Manager

SUBJECT: **Work Order No. 2018006–3, Aptim Environmental & Infrastructure, Inc.
Sector 3 Beach and Dune Renourishment – 2018 Physical Monitoring**

DATE: June 20, 2018

DESCRIPTION AND CONDITIONS

On January 9, 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 renourishment of the Sector 3 (Wabasso Beach) beach project area.

The Sector 3 project area is a 6.6 mile section of shoreline that extends from the Seaview Subdivision south to the Turtle Trail beach park. The Sector 3 project area sustained damage from Hurricane Sandy (2012) and was subsequently repaired in 2015.

The proposed Work Order No. 2018006-3 provides year 2018 post construction physical monitoring and reporting services to assess the performance of the Sector 3 Repair Project constructed in 2015. By Permit, annual Post Construction Physical monitoring is required following a large scale beach restoration project. The 2018 monitoring entails the following:

- “Year 3” annual post construction physical monitoring for the Sector 3 Dune Repair project area.

As part of this permit required post construction monitoring effort, beach specific aerial photography is also being collected within the Sector 3 project area. However, in a way to minimize spending of funds and to align with the recommendations of the County Beach Preservation plan, the work order also includes the collection of beach specific aerials along the entire County. As aerials are already being collected under the Sector 3 monitoring effort, the County will not have to pay for additional mobilization of equipment to photograph the remaining beach sectors. The fees for this effort (Task 2.B) are \$5,739.30.

BCC Agenda Item
Sector 3 Beach Restoration
July 3, 2018

Work Order No. 2018006-3 totals a lump sum amount of \$49,719.20; \$43,979.90 (Sector 3) and \$5,739.30 (Other Professional Services).

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 in the amount of \$43,979.90 is budgeted and available for monitoring in the Beach Restoration Fund, Sector 3 Post Construction Monitoring Account No. 12814472-033490-05054. Additionally, this portion of the work order is eligible for 50% state cost through the Florida Department of Environmental Protection Beach Management Funding Assistance Program (Grant No. 17IR2).

Funding in the amount of \$5,739.30 for countywide aerials is budgeted and available in the Beach Restoration Fund, Other Professional Services Account No. 12814472-033190-01024.

RECOMMENDATION

The recommendation of staff is for the Board to approve Work Order No. 2018006-3 to the contract with Aptim Environmental & Infrastructure, Inc. and authorize the Chairman to sign on behalf of the County.

ATTACHMENT

Aptim Work Order No. 2018006-3

APPROVED AGENDA ITEM FOR: JULY 3, 2018