

**INDIAN RIVER COUNTY, FLORIDA
BOARD MEMORANDUM**

TO: Jason E. Brown
County Administrator

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

THROUGH: James D. Gray, Jr., M.S.
Natural Resources Manager

FROM: Kendra Cope, M.S.
Environmental Specialist

SUBJECT: **Work Order No. 2018006-4, Aptim Environmental & Infrastructure, Inc.
Sector 3 Beach and Dune Renourishment – 2018 Pre-Construction
Biological Monitoring**

DATE: November 19, 2018

BACKGROUND

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 critically eroded 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 Matthew (2016) and Irma (2017) creating the need for repair.

DESCRIPTION AND CONDITIONS

The proposed Work Order No. 2018006-4 provides year 2018 pre-construction biological monitoring services to map nearshore hardbottom prior to the construction of the Sector 3 renourishment project. These services will provide a baseline comparison with post-construction hardbottom edge maps and reports. By Permit, Pre-Construction Biological monitoring is required prior to a large-scale beach restoration project.

Work Order No, 2018006-04 is for a lump sum amount of \$150,613.60. Services provided include:

- Mapping of edge of nearshore hardbottom
- Installation of permanent transects
- Monitoring of these established transects

All subsequent annual biological monitoring of the Sector 3 Project area will be addressed through future work orders.

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 the pre-construction monitoring in the amount of \$150,613.60 is budgeted and available for the Sector 3 Beach Restoration Project in the Beach Restoration Fund, Hurricane Matthew Account - Sector 3, No. 12814472-066514-17001.

With the issuance of FEMA Project Worksheet (No. IRGAG01 – Hurricane Matthew, FEMA 4283-DR-FL), project related design, permitting, and construction expenses are eligible for up to 87.5% in Federal and State cost share. FEMA funds are currently in que to be obligated.

Additionally, the County entered into grant Agreement No. 17IR2 with Florida Department of Environmental Protection on February 26, 2018, amended by the State on June 22, 2018, which committed up to \$893,102.60 at a 50% cost share ratio for the Sector 3 project area damaged by Hurricane Matthew (2016) and Irma (2017).

RECOMMENDATION

The recommendation of staff is for the Board to approve Work Order No. 2018006-4 to the contract with Aptim Environmental & Infrastructure, Inc. and authorize the Chairman to sign on behalf of the County.

ATTACHMENT

Aptim Environmental & Infrastructure, Inc. Work Order No. 2018006-4

APPROVED AGENDA ITEM FOR: DECEMBER 4, 2018