

**INDIAN RIVER COUNTY, FLORIDA
BOARD MEMORANDUM**

CONSENT AGENDA

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. 2018029-1 APTIM Environmental & Infrastructure, Inc
Sector 5 Beach and Dune Restoration Project – Pre-Construction Services**

DATE: April 16, 2018

BACKGROUND

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.

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. The majority of the project area is located within the City of Vero Beach's jurisdiction with the exception of Tracking Station Park and the Florida Tech Marine Lab residing in unincorporated Indian River County.

DESCRIPTION AND CONDITIONS

The proposed Work Order No. 2018029-1 includes seven (7) separate tasks and provides professional engineering services for the continued development and implementation of the planned Sector 5 Beach and Dune Restoration Project. Specifically, Work Order No. 2018029-1 addresses pre-construction phase services required for permitting and development of construction plans and specifications.

Work Order No. 2018029-1 is for a lump sum amount of \$212,462.95. Note: Given the expected project fill volumes, Sector 5 is being designed as a truck haul (Upland Mine) fill project. However, an optional task (Task 7 – Include Offshore Borrow Area as Sand Source), totaling \$19,877, is included in this work order in the event permits need to be modified to include an offshore sand source. Considering the similar project development schedule, it may be conceivable to utilize the same offshore borrow source for multiple other concurrent projects (Sector 3 and Sector 7) also currently under design and permitting. If the offshore source is determined not necessary, the total amount of Work Order No. 2018029-1 will be reduced by \$19,877.

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 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 Worksheet (No. IRGAG04 – 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, 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. 2018029-1 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. 2018029-1 to the contract with APTIM Environmental & Infrastructure, Inc. and authorize the Chairman to sign on behalf of the County.

ATTACHMENT

APTIM Work Order No. 2018029-1

APPROVED AGENDA ITEM FOR: MAY 1, 2018