

**INDIAN RIVER COUNTY, FLORIDA
BOARD MEMORANDUM**

CONSENT

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. 23 APTIM Coastal Planning and Engineering, Inc.
Sector 5 Beach Restoration Project – Permitting and Construction
Services**

DATE: December 11, 2017

BACKGROUND

On March 19, 2013 the Board approved a contract with APTIM Coastal Planning & Engineering, Inc. (APTIM) f/k/a CB&I Coastal Planning and Engineering, Inc. for professional coastal engineering services in Indian River County for a two-year term, 2013-2015. On March 17, 2015 the Board renewed the contract until March 19, 2017. On April 11, 2017, the Board extended the contract until December 31, 2017. CB&I is the selected County consultant for professional engineering services related to the Sector 5 Beach Nourishment Project.

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.

Following a supporting recommendation from the Indian River County Beach Committee, the Board approved Work Order No. 12 with APTIM, on April 12, 2016; initiating the design and permitting phases of the Sector 5 Beach Nourishment Project. To date, the remaining engineering services under Work Order No. 12 are still being completed.

DESCRIPTION AND CONDITIONS

The proposed Work Order No. 23 includes ten (10) separate tasks and provides professional engineering services for the continued development and implementation of the planned Sector 5 Beach Nourishment Project.

Work Order No. 23 is for a lump sum amount of \$419,091.80.

- Tasks 1–2: provides services to update the project design following Hurricanes Matthew (2016) and Hurricane Irma (2017).
- Tasks 3–6: provides pre-construction services
- Tasks 7-9: provides during construction services
- Task 10: provides immediate post construction biological monitoring services

Staff will closely monitor major milestones of the project and will provide a separate notice-to-proceed to APTIM for tasks involving construction and immediate post construction 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 is budgeted and available for the Sector 5 Beach Restoration Project in the Beach Restoration Fund, Other Professional Services – Hurricane Matthew Account No.12814472-033190-17001.

The County has also received a fully signed FEMA Project Worksheet (No. IRGA04 – Hurricane Matthew), making project related design, permitting, and construction expenses 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 Restoration Project to date, Work Order No. 23 is eligible for 46.65% cost share reimbursement when State funds become available.

RECOMMENDATION

The recommendation of staff is for the Board to approve Work Order No. 23 to the contract with APTIM Coastal Planning and Engineering Inc. and authorize the Chairman to sign on behalf of the County.

ATTACHMENT

APTIM Work Order No. 23 (1 original copy)

APPROVED AGENDA ITEM FOR: DECEMBER 19, 2017