

**INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM**

TO: Jason E. Brown, County Administrator

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

FROM: James W. Ennis, P.E., PMP, Asst. Public Works Director

SUBJECT: Sector 5 Beach & Dune Restoration Project
APTIM Amendment No. 1 to Work Order 2018029-4 (IRC-1923)

DATE: December 3, 2019

DESCRIPTION AND CONDITIONS

On April 3, 2018, the Board approved a contract with APTIM Environmental & Infrastructure, LLC (APTIM) for professional coastal engineering and biological support services related to the management and restoration of Sector 5 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 Sector 5 project 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.

On May 29, 2019 the Board approved Work Order No. 2018029-4, in the amount of \$241,741.00, to provide professional services in support of construction administration and monitoring prior to, during, and after construction of the Sector 5 Beach Restoration Project.

On December 10, 2019 the Board approved Change Order No. 1 in the amount of \$1,879,240.02 to Rio-Bak Corporation, to install an additional 83,100 tons of sand within the project limits of the Sector 5 Beach & Dune Restoration Project due to the impacts of Hurricane Dorian on September 3, 2019.

The above Change Order to Rio-Bak impacted the original Work Order approved by the Board for the construction monitoring services being provided by APTIM. Due to the extra work being completed by Rio-Bak in a condensed time frame, Public Works Staff requested a cost proposal from APTIM for an amendment to Work Order No. 2018029-4 in order to cover the additional construction monitoring services as a result of the unplanned Saturday and Sunday work operations in order to meet our project completion deadlines.

The Consultant provided a cost proposal of \$54,479.25, to accomplish the additional construction monitoring services as detailed in proposed Amendment No. 1 to APTIM Work Order No. 2018029-4. County staff has reviewed the proposed cost for Amendment No. 1 in the amount of \$54,479.25 and found the cost to be in line with the current approved work order and existing professional services agreement.

FUNDING:

Local funding for beach restoration is provided by a portion of Local Option Tourist Tax. Funding for construction monitoring services of the Sector 5 Beach and Dune Restoration Project in the amount of \$241,741 is budgeted and available in the Beach Restoration Fund/Sector 5 Beach Renourishment/Hurricane Matthew account # 12814472-066510-17001.

Funding for the proposed \$54,479.25 outlined in Amendment No. 1 will be funded by a budget amendment from Beach Restoration Fund/Cash Forward Oct. 1st. Although the County is included in FEMA's Hurricane Dorian disaster declaration, no project worksheet has been formulated at this point. Staff anticipates 75% Federal reimbursement and 12.5% State reimbursement for this change order.

RECOMMENDATION

Staff recommends the Board authorize additional funding for Amendment No. 1 to Work Order No. 2018029-4 in the amount of \$54,479.25 producing a new total work order lump sum price of \$296,220.25. Additionally, staff recommends the Board authorize the Chairman to execute Amendment No. 1 to Work Order No. 2018029-4.

ATTACHMENTS

Amendment No. 1 to Work Order No. 2018029-4
Exhibit 1
Exhibit 2

AGENDA ITEM FOR DECEMBER 17, 2019