

**INDIAN RIVER COUNTY, FLORIDA
BOARD MEMORANDUM**

TO: Board of County Commissioners

THROUGH: John A. Titkanich, Jr., County Administrator

THROUGH: Eric Charest, Interim Natural Resources Director

FROM: Quintin Bergman, Coastal Resource Manager

SUBJECT: Work Order No. 1 Jones Edmunds & Associates, Inc.
2024 Beach Preservation Plan Update

DATE: April 15, 2024

BACKGROUND AND DESCRIPTION

On April 18, 2023, the Board of County Commissioners (BCC) approved the Continuing Services Contract Agreement for Continuing Engineering Services with Jones Edmunds & Associates, Inc. (Jones Edmunds) for professional environmental engineering support services for a term of three (3) years. Jones Edmunds is the selected County consultant for professional services related to updating the County's Beach Preservation Plan (BPP).

Indian River County developed and adopted its first BPP in 1988, which included a management strategy for addressing coastal erosion along the County's 22.4 miles of shoreline. The BPP has been subsequently updated in 1998, 2002, 2008, 2015, and 2019. The BPP undergoes periodic updates to incorporate up to date coastal survey data as well as encompasses any new coastal engineering techniques that address erosion.

The proposed Work Order No. 1 provides professional environmental engineering services relative to updating the County's BPP. The 2024 BPP Update will support the County's effort to manage its beaches by; analyzing and reviewing the latest shoreline and volumetric changes, assessing sand sources, reviewing environmental and biological resources, conducting a storm vulnerability and resilience analysis, evaluating beach management alternatives, providing a reader-friendly summary and overall recommendations for the County's Beach Management Program. The cost for Work Order No. 1 is on a lump sum basis not to exceed \$378,989.00.

Pending BCC approval of Staff's recommendation, it is anticipated that the project would commence in May 2024 with an initial kick-off meeting. Data collection, review, and incorporation of results into the updated beach conditions and sand resources (Tasks 1, 2 and 3) is anticipated to take approximately 6 months. Utilizing the data that was collected through Tasks 1, 2 and 3, an update to the storm vulnerability and resiliency analysis (Task 4) is anticipated to be completed by February 2025. The development of beach management alternatives (Task 5) is scheduled to be completed by May 2025. The BPP summary and recommendations (Task 6) expected to be available in August 2025 for BCC consideration. In summation the entire BPP

update would be completed approximately 15 months after beginning the effort. Throughout many phases of the BPP update process, both the County and the selected consultant would be utilizing public outreach efforts to seek input on the BPP update, as well as seek support from the Indian River County Beach and Shores Preservation Advisory Committee prior to presenting to the BCC for approval.

Please note, the consultant’s proposed schedule may be altered based on correspondence with the County. A detailed schedule is included in the Scope of Work on page 8.

FUNDING

Funding for Work Order No. 1, in the amount of \$378,989.00, is budgeted and available in the Coastal Engineering Fund/Coastal Engineering/Other Professional Services account, number 12814472-033190.

Account Name	Account No.	Amount
Coastal Engineering Fund/Coastal Engineering/Other Professional Services	12814472-033190	\$378,989.00

RECOMMENDATION

Staff recommends the BCC approve Jones Edmunds & Associates, Inc. Work Order No. 1 in the amount of \$378,989.00 for professional environmental engineering services associated with updating the County’s Beach Preservation Plan in 2024. In addition, staff recommends that the BCC authorize the Chairman to execute Work Order No. 1.

ATTACHEMENT

1. Scope of Work – 2024 BPP Update
2. Work Order #1 Execution Form

APPROVED AGENDA ITEM FOR: May 7, 2024