

**INDIAN RIVER COUNTY, FLORIDA
BOARD MEMORANDUM**

CONSENT

TO: Board of County Commissioners

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

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

PREPARED BY: Eric Charest, Natural Resources Manager

SUBJECT: Post Significant Erosional Event Rapid Land and Hydrographic Beach Profile Surveys

DATE: May 22, 2023

DESCRIPTION AND CONDITIONS

On October 4, 2022, the Board of County Commissioners (BCC) approved a contract with Morgan and Eklund, Inc. (M&E) for Professional Land Surveying and Mapping Services for a two-year term. M&E is the selected County Consultant for professional onshore/offshore hydrographic surveying services.

The coastline of Indian River County is subject to erosional impacts from high energy wind and wave events, as such, accurate measurements of said impacts are essential in order for the County to seek potential funding sources to help defray the costs of potential dune/beach repair efforts.

The proposed Work Order No. 4 from M&E provides for up to two (2) post-significant erosional event beach profile surveys (Onshore/Offshore) that are necessary to quantify the dune/beach erosion impacts to our County. The results of the survey will also be offered to the Florida Department of Environmental Protection and Federal agencies as documentation of losses if beach recovery funding becomes available.

County staff is seeking BCC approval for up to two (2) post-erosional beach profile surveys should the need arise. Approving these efforts up front will save valuable time in reacting after an event, and will better position the County for a rapid response.

Work Order No. 4 from M&E for 2 post-erosional County-wide (Management Sectors 3 through 8) beach surveying events totals \$120,000.00.

FUNDING

Partial funding for this expenditure would come from FEMA project accounts that would be set-up once a storm or erosional event is identified and a Project Worksheet (PW) is written. Any remaining funds necessary to cover this expense would be provided by the Beach Restoration Fund.

RECOMMENDATION

The recommendation of staff is for the BCC to approve Work Order No. 4 to the Professional Land Surveying and Mapping Services contract with Morgan and Eklund, Inc., in the amount of \$120,000.00 and authorize the Chairman to sign the Work Order on behalf of the County. Public Works Department Coastal Engineering Division staff will not authorize the contractor to perform any surveys covered in this Workorder unless field conditions justify the expenditure.

ATTACHMENTS

1. Morgan and Eklund Post-Hurricane WO No. 4
2. Work Order No. 4 Agreement Execution

APPROVED AGENDA ITEM FOR: June 6, 2023