



Agenda Item Summary Sheet

Item No: **K-1**
Meeting Date: **October 2, 2024**

Item Title: Presentation of Annual Beach Condition Survey – Moffat & Nichol- Time Specific 11 a.m.

Item Summary:

Annually, the Town subcontracts surveying and engineering services to perform an annual beach condition survey and engineering data analysis in accordance with the Town’s Beach Monitoring & Maintenance Plan. The survey scope of work includes the base nourishment project area data acquisition in conjunction with additional transect information data acquisition both north and south of the project area. Results of the beach surveys aid in determining nourishment triggers and initiating planning for the next beach nourishment maintenance project. The attached report describes the findings from our beach surveys which were conducted this past June and July.

Beth Sciaudone, Ph.D., PE and Ayse Karanci, PhD, PE from the consulting firm of Moffat & Nichol will present the findings of the condition surveys and will be available to answer questions from the Board.

One of the items noted in the draft report is the recent significant erosion within Reaches 3 & 4. We have observed additional erosion in these reaches after the surveys were conducted. The Board may want to consider conducting a supplemental fall survey to evaluate the magnitude and extent of changes to the beach condition. Fee proposal amounts have been submitted by McKim & Creed to perform the survey field work in the amount of \$44,790 and from Moffat & Nichol to conduct analysis of the data in the amount of \$26,350.

If the Board of Commissioners would like to proceed with approving a fall condition survey, a motion will be in order to authorize the Town Manager to execute change orders in the amount of **\$44,790** with McKim & Creed and **\$26,350** with Moffat & Nichol to conduct the additional monitoring work.

Attachments: Beach Condition Report, McKim & Creed Proposal, Moffat & Nichol Proposal, Ordinance Amendment.

Number of Attachments: 4

Specific Action Requested:

Provided for Board information, discussion, and consideration and to authorize acceptance of proposals and associated Beach Nourishment Capital Project Ordinance Amendment 12.

Submitted By: Town Engineer David Ryan

Date: September 24, 2024

Finance Officer Comment:

Capital Project Ordinance Amendment 12 is requested for approval. Funds of \$80,000 for turtle monitoring that were not used are being transferred to the surveying and monitoring line item to budget for the proposals.

Signature: Amy Miller

Date: September 26, 2024

Town Attorney Comment:

Attorney Leidy will participate in the discussion as necessary.

Signature: John Leidy

Date: September 26, 2024

Town Manager Comment and/or Recommendation:

One of the items we will discuss is when to initiate engineering and design for our next project. In light of recent erosion in reaches 3 and 4, and noting the timeframe for design, bidding, and mobilization of a project, staff will suggest initiating this process in the next few months.

Signature: Andy Garman

Date: September 26, 2024