



Agenda Item Summary Sheet

Item No: **H-2**
Meeting Date: **July 3, 2024**

Item Title: Multi-Decadal Beach Nourishment Master Plan

Item Summary:

Over the past several years, the consulting firm of Moffatt & Nichol has been assisting the Town with the development of a Multi-Decadal Beach Nourishment Master Plan to establish a long-term strategy to permit, schedule and finance ongoing beach nourishment efforts. The framework allows for proactive planning and sustainable beach management over a 50-year planning horizon. The key aspects of this plan include the evaluation of long-term sediment sources, Levels of Protection (LoP), nourishment triggers, regulatory pathways, project timelines and estimated future years project costs. A draft copy of report was provided to the Board of Commissioners at their August 2, 2023 meeting.

Within the report and presentations, several recommendations were provided which evaluated the frequency of the placement of sand. Nourishment intervals of 4, 5, 6 and 8 years were investigated in conjunction with phased approaches which would consider the placement of sand within the southern reaches every five years and a town-wide project every ten years.

A planned 6-year beach nourishment interval (non-phased) allows for responsiveness to changing conditions and provides a lower total cost than the evaluated 4-year and 5-year intervals. Additionally, if the volumetric triggers are not reached within 24 months of the 6-year planned interval, the plan provides the flexibility to extend an additional year or more beyond the 6-year mark. The recommendation is for a 6-year nourishment interval.

Town staff will provide a brief overview summarizing the findings of the report and will be available for questions. A copy of the final report will be provided to Board members at the meeting.

Staff Recommendation

Staff recommends the Board of Commissioners adopt the Beach Nourishment Master Plan final document.

Number of Attachments: 0

Specific Action Requested:

Consider adoption of the Beach Nourishment Master Plan final document.

Submitted By: Town Engineer David Ryan

Date: June 26, 2024

Finance Officer Comment:

Signature: Amy Miller

Date: June 26, 2024

Town Attorney Comment:

Attorney Leidy will participate in the discussion as necessary.

Signature: John Leidy

Date: June 26, 2024

Town Manager Comment and/or Recommendation:

I appreciate the work of the Town Engineer, David Ryan, and our consulting team for the work on this important project. I would recommend adoption of the final master plan.

Signature: Andy Garman

Date: June 26, 2024