



# AGENDA ITEM SUMMARY

Town of Nags Head Board of Commissioners

REGULAR SESSION: November 6, 2024

## AGENDA ITEM H.3.

Discussion of Scope for Design/Engineering of 2026/2027 Beach Nourishment Project  
- Consideration of Amendment to Beach Nourishment Maintenance Capital Project Ordinance

### Prepared by

David Ryan, Town Engineer

### Reviewed by

David Ryan  
Carolyn Morris  
Andy Garman

### Staff Comments/Recommendation

Staff recommends approval of the requested professional services task order and amendment to the Beach Nourishment Capital Project Ordinance

### Specific Action Requested

Staff requests authorization for the Town Manager to execute the attached professional services task order with Moffatt & Nichol.

Request Board consideration of amendment to the Beach Nourishment Maintenance Capital Project Ordinance in the amount of \$481,940 to permit the outlined scope of work.

### Summary

Results from the annual beach condition survey were presented to the Board of Commissioners by the town's engineering consultants, Moffatt & Nichol, at the October 2<sup>nd</sup> meeting. An analysis of the field survey data indicated accelerated erosion along the last mile of the beach nourishment project limits along with localized erosion in several of the northern reaches.

With the recent adoption of the Multi-Decadal Beach Nourishment Plan, the Board of Commissioners approved a master plan which considers the next 50 years of nourishment planning along the Town's shoreline. As a part of the planning process, the volumetric threshold to trigger the next re-nourishment project was re-evaluated and reach-specific volumetric triggers developed based on a level of protection analysis, (nourishment triggers will be described in greater depth under Agenda Item J.1).

Localized segments of Reaches 3 and 4 have profiles below the trigger volumes in conjunction with localized segments of Reaches 1 and 2 closely approaching the specified triggers. Given the results, the Board may want to consider accelerating the planning for the next beach nourishment project.

The consulting firm of Moffatt & Nichol has prepared a proposal for the planning portion of the next beach nourishment project which includes preliminary design, permitting, and preparation of construction plans and specifications. A capital project ordinance amendment in the amount of **\$481,940** is attached and incorporates the Coastal Storm Damage Mitigation grant.

## Attachments

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1. 11 H3 NH 2026/2027 Beach Nourishment Engineering and Permitting Scope
2. 11 H3 BN Cap Proj amend 13 ord