

**Benjamin Cahoon**  
Mayor

**Michael Siers**  
Mayor Pro Tem

**Greg L. Sparks**  
Interim Town Manager



**Town of Nags Head**  
Post Office Box 99  
Nags Head, NC 27959  
Telephone 252-441-5508  
Fax 252-441-0776  
[www.nagsheadnc.gov](http://www.nagsheadnc.gov)

**M. Renée Cahoon**  
Commissioner

**J. Webb Fuller**  
Commissioner

**Kevin Brinkley**  
Commissioner

## **Attachment #2**

### Request for formal action to proceed with Beach Nourishment Project

Staff is requesting formal action be taken at the February 3<sup>rd</sup> Board meeting on the items listed below.

If proceeding with Alternative 1 (567,000 cu/yds of sand placement), please address #2, #4, #6, #7, #8

If proceeding with Alternative 2 (1.47 million cu/yds of sand placement), please address #1, #3, #5, #7, #8

- 1** Action to authorize staff to proceed forward with the planning, design, permitting, bidding and construction administration for an approximate 1,472,500 cy Post-Dorian beach nourishment project along the existing 10-mile project length.
- 2** Action to authorize staff to proceed forward with the planning, design, permitting, bidding and construction administration for an approximate 567,000 cy Post-Dorian beach nourishment project along Reaches 2, 3, and 4.
- 3** Action to authorize staff to modify the existing Coastal Storm Damage Mitigation (CSDM) Grant application to include the FEMA Public Assistance request sand volume of 508,070 cy, CSDM grant award amount of \$1,408,247.19, and approximate Town of Nags Head sand volume addition of 881,648 cy.
- 4** Action to authorize staff to modify the existing Coastal Storm Damage Mitigation (CSDM) Grant application to include the FEMA Public Assistance request sand volume of 508,070 cy, CSDM grant award amount of \$1,408,247.19.
- 5** Action to authorize staff to modify the existing FEMA Category G, Public Assistance application to include the FEMA Public Assistance request amount of 508,070 cy, CSDM grant award amount of \$1,408,247.19, and approximate Town of Nags Head sand volume addition of 881,648 cy.
- 6** Action to authorize staff to modify the existing FEMA Category G, Public Assistance application to include the FEMA Public Assistance request amount of 508,070 cy, CSDM grant award amount of \$1,408,247.19.
- 7** Action to authorize the Interim Town Manager to execute a contract change order in the amount of \$195,855 with Moffat & Nichol for the performance of additional offshore borrow area; investigation for vibracore sampling collection and geotechnical reporting as for environmental permitting of a beach replacement/maintenance project with an approximate volume of 1,472,500 cy. At this current time, it is uncertain whether the Division of Coastal Management (DCM) will require supplemental geotechnical investigation for permitting of the offshore borrow source. If it is determined the hydrographic survey and analysis is sufficient for permitting needs, no action will be taken on the proposed contract amendment.

If DCM determines vibrocore sampling and analysis is required, the Board authorization will permit the Interim Town Manager to execute a contract change order, without delay to the project schedule. The geotechnical work will be conducted through a joint effort of Moffat & Nichol and Athena Technologies. A copy of the Athena Technologies/Moffat & Nichol proposal is attached.

In addition, please find attached amendment #1 to the Beach Nourishment Maintenance Capital Project Ordinance provided for Board consideration. Associated budget amendment for geotechnical services is also attached.

**8** Additional funding of \$220,000 is requested from the beach nourishment capital reserve fund balance due to the uncertainty of the need for additional geotechnical investigation within the beach nourishment project borrow area. Since timing is the critical path for this project, staff is notifying the Board of this future request to authorize the Interim Town Manager to execute a change order to the existing Moffat & Nichol contract for an amount not to exceed \$220,000. As necessary, this authorization will permit the change order process to be expedited and reduce potential delays to the project schedule. If the funds are not required, staff can submit a request at a future meeting for an amendment to return the funds to the Beach Nourishment Maintenance Capital Project Fund.

NOTE: The additional geotechnical work is not anticipated to be required by the Division of Coastal Management (DCM) for permitting of the offshore borrow source for the smaller scale nourishment project. However, if DCM does require additional geotechnical work, the change order authorization and funds will be available via Board actions #7 and #8. The total value of geotechnical work described above may not be necessary for the smaller scale project, with any excess funds being returned to the Beach Nourishment Maintenance Capital Project Fund, as required.