



Agenda Item Summary Sheet

Item No: **L-2B**
Meeting Date: **June 2, 2021**

Item Title: Town Manager - Beach Nourishment
- Year 2 Multi-Decadal Master Plan - Borrow Area Investigation Contract

Item Summary:

Moffat & Nichol is in the process of completing the work associated with Year 1 of the Town's Multi-Decadal Master Plan. The year 1 effort will provide the basis for outlining efforts in subsequent years with the focus on developing preliminary estimates on the current level of protection, storm analysis and associative level of protection for future projects, preliminary nourishment triggers, and estimation of long-term sand needs over a 50-yr horizon. Year 1 of the Multi-Decadal Master Plan will be presented to the Board of Commissioners at their July meeting.

The initial focus of the Year 2 Multi-Decadal Master Plan will be comprised of additional field investigations needed to characterize offshore sand borrow areas suitable for future beach nourishment projects. The scope of work is comprised of a combination of geotechnical field investigations to assess sediment compatibility across the extents on the investigation area in association with hydrographic surveys, sidescan sonar and sub-bottom profiles. Field data will include the acquisition of necessary information to evaluate the potential for cultural/archaeological resources.

This Phase 1A represents a portion of work to be conducted in Year 2. The remaining portion will be submitted for Board consideration at their July meeting. The intent of phasing the work is to initiate the offshore field work sooner, to take advantage of the calmer summer wave conditions. The submitted fee proposal for the completion of the scope of work for Phase 1A is **\$192,295.70**.

It is important to note the Phase 1A field investigation is an expansion of the recently completed offshore borrow investigation which will be incorporated into the data set for future evaluation and analysis.

Attachments: Town of Nags Head Multi-Decadal Master Plan- Summer 2021 Borrow Area Field Investigations

Number of Attachments: 1

Specific Action Requested:

Provided for Board information and discussion.

Submitted By: Town Engineer David Ryan

Date: May 26, 2021

Finance Officer Comment:

Signature: Amy Miller

Date: May 26, 2021

Town Attorney Comment:

Attorney Leidy will participate in the discussion as necessary.

Signature: John Leidy

Date: May 26, 2021

Town Manager Comment and/or Recommendation:

Signature: Greg Sparks

Date: May 26, 2021