

M E M O R A N D U M

To: Howard Tipton, Town Manager
From: Charles Mopps, Interim Director Public Works
Report date: November 1, 2024
Meeting date: November 12, 2024
Subject: Annual Beach Update and Storm Impacts

Recommended Action

None, informational only.

Background

As reported at the November 6, 2023, meeting, Dr. Albert Browder, Ph.D., PE, of Olsen Associates, provided a summary of the results of the Year-2 survey, including observations made after Hurricane Idalia (which occurred after the Year-2 survey was completed). The summary also highlighted the movement of sand within the system and described the areas of higher erosion, like Gulfside Road. Additionally, Dr. Browder and staff discussed embarking on studies for a structural solution to the erosion pattern at the Gulfside Road segment of the beach.

Dr. Browder will report the results of the Year-3 beach condition survey, that was conducted prior to any of this year's storm events and show the prevailing trends. He will then discuss the impacts the recent storms had on the beach and dune system. Following that, Dr. Browder will provide an update to the shorter-term, sand placement-only solution for the Gulfside Road Segment and a longer-term solution that includes structures to mitigate the erosional loss occurring in this segment. The desired Construction Target for the structural solution project would be during the 2029 major nourishment cycle.

Dr. Browder will conclude with a discussion involving the next steps in the FEMA claims process, to try to restore our beaches. It will include the FEMA declaration and claims process, timing, and additional work efforts.

Staff Recommendation

None, informational only.

Attachments (Available in the Town Clerk's Office)

PowerPoint Presentation

End of Agenda Item