



Memorandum

Meeting Details: January 22, 2025 – Board of Commission Workshop

Prepared For: Board of Commissioners

From: Community Development Department/Public Works

Subject: Rebuilding Madeira Beach – Advanced Engineering

Background: Advanced Engineering is performing Madeira Beach’s Watershed Management Plan, as the city works through this plan there needs to be discussions on proactive measures for the long-term viability of the community with respects of sea level rise and flooding.

Discussion: Barrier islands are particularly vulnerable to the impacts of climate change, including rising sea levels and storm surge. As these risks intensify, we must look to the future on how to mitigate potential damage and ensure the island remains habitable and functional for generations to come. The quote from Advanced Engineering starts that process and brings the firm in to review the challenges the city faces when reviewing new homes with the Land Development Regulations. This process will evaluate the best methods to combat rising sea levels, considering factors such as cost, environmental impact, and changes to the Land Development Regulations.

Fiscal Impact or Other:

N/A

Attachments:

Advanced Engineering proposed quote