



Memorandum

Meeting Details: February 12, 2025 – Board of Commission Workshop

Prepared For: Honorable Mayor and 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 respect 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:

The fiscal impact for the Preliminary Program Development, Document Review and Support Services is \$89,865.81 which will be paid from the Madeira Beach Stormwater Fund.

Recommendation:

Staff recommends the Board of Commissioners approve the proposal from Advanced Engineering for the Preliminary Program Development, Document Review and Support Services for the Terrain Modification Program in the amount of \$89,865.81.

Attachments:

Proposal for Preliminary Program Development, Document Review and Support Services by Advanced Engineering