



Memorandum

Date: August 19, 2020

To: Board of Park Commissioners

From: Steve Wilson, Executive Director

Re: Shoreline Protection Engineering Project

On Friday, August 21, 2020, the engineers from SmithGroup will be in attendance via Zoom to walk through the attached presentation. The presentation was created over the past week following the discussion at the Lakefront Committee meeting on August 11, 2020, and follow up conversations I have had with each member of the Board of Park Commissioners as well as the engineers.

In the presentation, you can see that the proposed approach has changed since the Lakefront Committee meeting. The initial approach was based on what the engineers took from meetings with staff, as well as the initial conversation with the Board in the kickoff meeting. Ultimately, throughout the conversation last week, both the staff and Board's thoughts evolved, and new guidance was provided to the engineers that guided the new approach.

In essence, the guidance I provided due to individual conversations with each board member was as follows:

- Langdon – The initial short-term approach did not provide enough value to preserving the bluff. Given the limited options due to permitting requirements and lack of time, the money for a short-term solution is better spent in designing and getting permitting for a long-term solution that will protect the bluff for years to come and allow a beach to return when the water levels recede.
- Sailing Beach – The initial short term approach didn't provide enough value as the water plant does not appear to be in danger of flooding and water coming into the parking lot during the offseason is not worth the cost of the initial approach. A more robust in-house solution to try and slow water from reaching the beach house will be implemented by staff during the offseason and long term solutions will be discussed in the coming months.
- Beach House – The initial short-term approach did not provide enough value as the beach house does not appear to be in danger of structural damage and is well winterized during the offseason when storms typically take place. A more robust in-house solution to try and slow water from reaching the beach house will be implemented by staff during the offseason and long term solutions will be discussed in the coming months.

- South Beach – The initial short-term approach focused on preserving built infrastructure, such as the walkway and roadway along Overlook Drive. Upon seeing the solution and discussing the benefits, the consensus I heard during individual conversations with board members after the Lakefront Committee meeting was that people would like to consider a solution that would preserve the remaining dunes, dune grasses, and trees as much as possible. I met Mark Wagstaff from SmithGroup on Sunday, August 16, 2020 at South Beach and walked the entire length of the beach, took measurements, and discussed options and objectives. This week, the team from SmithGroup has been working to put together the new approach and the attached presentation. They will walk us through the presentation and hold a discussion with the Board during the Special Board Meeting.

Ultimately, the time we have remaining between the meeting on Friday and the time that fall storms could be upon us is less than two months. If we get clear direction from the Board on Friday, we could possibly implement a solution by mid-October. If we don't get clear guidance, it will be hard to put any solution in before the risk of storms becomes greater.

If you have any questions, let me know.