

**MINUTES OF THE SHORE PROTECTION BOARD
HELD ON THURSDAY, NOVEMBER 5, 2015**

I. CALL TO ORDER

The meeting of the Shore Protection Board was called to order on Thursday, November 5, 2015, at 9:00 a.m. in Town Council Chambers.

II. ROLL CALL

The following members were present: Chairman E. Llwyd Ecclestone, Mr. Kane Baker, Mr. Gerald Frank, Mr. Reuben B. Johnson, and Mr. Richard Raffo.

Mr. Lewis Katz, and Mr. Lee David Goldstein were absent.

III. PLEDGE OF ALLEGIANCE

Chairman Ecclestone led the Pledge of Allegiance.

IV. APPROVAL OF AGENDA

Chairman Ecclestone amended the agenda so that the sub-item located under item XII. entitled "*Groin and Rehabilitation Permitting*" is presented after Item X.

Vice Chair Frank made a motion to approve the amended agenda and Mr. Baker seconded. All who were present at the meeting were in favor.

V. SWEARING IN OF NEWLY APPOINTED SHORE PROTECTION BOARD MEMBER

Mrs. Carmona administered the Oath of Office to newly appointed Shore Protection Board member Reuben B. Johnson.

VI. ELECTION OF VICE-CHAIR FOR THE 2015 SHORE PROTECTION BOARD

Mr. Baker made a motion to appoint Gerald Frank as the sitting Vice Chair until a new one is appointed at the January meeting and Mr. Raffo seconded. All who were present at the meeting were in favor.

VII. APPROVAL OF THE MINUTES OF THE JANUARY 30, 2015 AND MAY 14, 2015 MEETINGS

Motion to approve the minutes of the January 30, 2015 and May 14, 2015 meetings was made by Vice Chair Frank and seconded by Mr. Baker. All who were present at the meeting were in favor.

**MINUTES OF THE SHORE PROTECTION BOARD
HELD ON THURSDAY, NOVEMBER 5, 2015**

VIII. COMMUNICATIONS FROM SHORE PROTECTION BOARD MEMBERS

Mr. Baker commended Mayor Coniglio for all of her efforts with the Shore Protection issues. He also commended Paul Brazil, Robert Weber and the Town Manager for a job well done on all of the Shore Protection projects.

Vice Chair Frank brought up the fact that there was nothing on the agenda about the Sand Transfer Plant and stated that he would like to see a report on it at each meeting.

Vice Chair Frank reported on the success of the meeting that took place the previous day for the residents at the South end of Palm Beach regarding the future beach re-nourishment project that will be taking place at Reach 7. The meeting included a presentation and Q & A session with Mike Jenkins from Applied Technology & Management, Inc., Mike Barnett from Tetra Tech, Inc., Kim Colstad from Coastal Technology Corporation and Town staff. Town residents and Council members were present. He said that the residents were very pleased with the information session and Vice Chair Frank suggested that more of them be done in the future.

Vice Chair Frank also commented that the Lake Trail flooding needs to be looked into and included in future agendas. Chairman Ecclestone echoed Vice Chair Frank's comments.

IX. COMMUNICATIONS FROM CITIZENS - 3 MINUTE LIMIT PLEASE

There were no comments made by the citizens.

X. CURRENT SHORELINE CONDITIONS [Robert Weber, Coastal Program Manager]

Robert Weber presented a PowerPoint presentation with series of photographs to the Shore Protection Board and reported on the current conditions of each Reach in the Palm Beach Shoreline starting with the Sand Transfer Plant all the way to Reach 8. He reported that the rough seas and windy weather has impacted the inlet. However, the sand transfer plant did very well this year with over 77,000 cubic yards of discharged sand across the inlet which is more than double the amount from last year.

Reach 1's shoreline condition hasn't had many changes over the past six months, with exception to some escarpments that have formed due to the rough weather experienced during the month of October.

Reach 2 had some dramatic changes due to the rough weather (over 30 mph winds) with some exposed rock revetment and loss of some of the beach towards the near shore.

Reach 3 has developed some similar escarpments but the Town will continue to monitor it. The North side of Reach 3 has a thinner shoreline but it gets thicker towards the South demonstrating lots of sand movement.

**MINUTES OF THE SHORE PROTECTION BOARD
HELD ON THURSDAY, NOVEMBER 5, 2015**

Reach 4 is looking good with a tremendous amount of sand however, the October weather has impacted the beach. Paul pointed out that the photo was taken during the last stages of the seawall project and it is an unusual circumstance due to the sea wall project.

The southern portion of Reach 5 is eroded but the sand from mid-town should help it out since it naturally gets sand from the North.

Reach 6 had very little change and continues to receive sand from Reach 3.

A large escarpment has formed around Reach 7 but sand will be coming soon. Mr. Weber presented a photo of the offshore dredge coming to Reach 7. Mr. Baker asked if the dredge can perform its offshore dredging during rough weather. Mr. Weber answered that the dredge is very stable and can perform under rough weather, however, calmer weather is needed for travel purposes. Chairman Ecclestone asked about the pumping methods of the hopper dredge and how it compares to the Reach 7 dredge. Mr. Weber and Mr. Brazil discussed the methods involved.

Reach 8 is looking good after the sand that was placed there in early May. The dunes have remained intact, however the berm lost some of its elevation.

Vice Chair Frank stressed the need for more public outreach programs about the shoreline projects. Mr. Brazil agreed and affirmed that the Town will improve on that. Chairman Ecclestone asked about money in the budget for outreach programs. Mr. Weber and Mr. Brazil both confirmed that there is a line item in the budget for public outreach.

Mr. Johnson suggested that we post a piece on the website that describes the beach cycle and the changes that occur each year.

Mr. Raffo asked about the seawall project at the beach club. Mr. Brazil gave a status update on the sea wall project including the timeline. The contractors have done an excellent job and are on schedule.

GROIN REHABILITATION PERMITTING *(Pulled from Item XII)*

Paul Brazil reported the challenges and issues that the Town is facing as they work with State and Federal regulatory agencies on the permitting process for the groin rehabilitation program. The goal was to approach the project as a maintenance program which would provide the Town with quicker results and lower costs as opposed to replacing the current groins with brand new groins. However, that plan has been rejected by the State as they do not see the plan as a maintenance program. Therefore, Mr. Brazil recommended to the board that the Town approach the project as multi-phase program and get started with the permitting of Phase 1 (which is the highest priority). Isolating Phase 1 will save the Town time and will allow the Town to focus on identifying challenges and focus on public outreach. The details and written back-up regarding the plan to move forward will be presented at the December Shore Protection Board meeting for approval. Upon the Shore Protection Board's agreement of this approach, the Town staff will

MINUTES OF THE SHORE PROTECTION BOARD HELD ON THURSDAY, NOVEMBER 5, 2015

present it to Town Council for final approval.

Former Shore Protection Board member, Pat Cooper of 265 Orange Grove Road, commented on the cost increases for sand search. He also pointed out that monitoring costs and the cost increases for dredging raise significant issues. He asked if there is a way the Town can push back on this and if there is a Plan B. Mr. Cooper also asked if the hotspot in Reach 7 is still behaving the way it is.

Mr. Brazil first answered the question about the hotspot by saying that the Town is monitoring it. Chairman Ecclestone commented that there is no free lunch when it comes to projects like this and that there may not be anything we can do about the cost increases. Vice Chair Frank mentioned that we need to educate the public by providing local comparisons for other cities and their costs for sand placement and monitoring. Town Manager, Mr. Bradford mentioned that staff has been asked by Town Council to look into the costs.

Chairman Ecclestone asked about the inventory of exposed groins. Mr. Weber confirmed that that there are about 120 and out of that 57 need to be replaced.

Chairman Ecclestone concluded by allowing the Town staff to present the new groin rehabilitation plan at the December meeting.

XII. COASTAL PROJECT UPDATES [Robert Weber, Coastal Program Manager]

Robert Weber and Paul Brazil provided an update on the ongoing activities for the Coastal Management Program.

- **Lake Worth Inlet/Palm Beach Harbor Maintenance Dredging**
Mr. Weber provided the details on the projects that will be taking place during the winter and spring of 2016 at the Lake Worth Inlet/PB Harbor area. The U.S. Army Corps of Engineers (USACE) is expected to dredge approximately 150,000 cubic yards of sand from the Lake Worth Inlet and place the beach-compatible sand on the dry beach from the south jetty of the Lake Worth Inlet at Reach 1 to Angler Avenue (Reach 2). USACE has solicited bids for this project in November and will award the project in early January 2016.
- **North Ocean Boulevard Seawall Replacement**
Mr. Brazil gave a quick overview on the status of the seawall replacement project. The construction is underway and is on-schedule to be completed in time for the road to re-open before Thanksgiving.
- **Phipps Ocean Park Beach Nourishment**
Mr. Weber gave the status on the permitting approval and deadlines for the Reach 7 Beach Nourishment project. Over 1 million cubic yards of sand will be hydraulically placed from an offshore borrow area to the beaches in Reach 7 between Phipps Ocean

**MINUTES OF THE SHORE PROTECTION BOARD
HELD ON THURSDAY, NOVEMBER 5, 2015**

Park and the north end of Kreusler Park with an additional 25,000 cubic yards to be stockpiled. The assembly and staging area will be located near the Lake Worth lagoon. The dredging is expected to start in late November 2015 provided that all of the permits are in place from the USACE. The Town is expecting to receive the permits from USACE in early November. Per contract, the contractors have until April 10, 2016 to complete the project.

- **Southern Palm Beach Island Comprehensive Shoreline Stabilization Project Environmental Impact Statement (Reach 8 EIS)**

The Town approved an amendment to continue the Interlocal Agreement with Palm Beach County which will continue cost-sharing for the EIS. The final EIS schedule for the work will be provided to the Town in December but the anticipated deadline for the project is April 2016.

XIII. REVIEW OF 2015 UPDATE TO LONG-TERM COASTAL MANAGEMENT PROGRAM AND SPB RECOMMENDATION TO TOWN COUNCIL [Robert Weber, Coastal Program Manager]

Mr. Weber and Mr. Brazil went over the FY16 adopted budget and the 10 year Coastal Management plan which serves as a 10 year window of the program and the possible funding needs for each individual year.

Town Manager, Tom Bradford mentioned that when adopting the first year of a multi-year plan, future costs of the following years must be looked at and kept in mind for reserve purposes.

Mr. Brazil continued the discussion by explaining the previous year's adopted programs and how it has evolved into the current program which includes increased costs for dredging.

Chairman Ecclestone suggested that a workshop be held in order to get a closer look and a better understanding of the 10 year plan. He said that he will give it some thought and let the Town staff know if a special workshop needs to be held.

XIII. SCHEDULING OF NEXT SPB MEETING [H. Paul Brazil, P.E., Director of Public Works]

Mr. Brazil recommended that the next Shore Protection Board take place on Friday, December 4, 2015 in order to review and finalize the annual report.

The Shore Protection Board Meeting will be followed by Annual Beach Management Agreement Meeting which is an annual requirement.

XIV. ANY OTHER MATTERS

Vice Chair Frank asked if the sea turtle project was an issue for a possible revetment of Reach 8. Mr. Brazil answered that the sea turtle nests are an issue. Vice Chair Frank asked if there was any current access at Reach 8. Mr. Weber answered that there is no access. Vice Chair Frank also

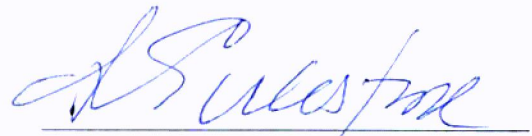
**MINUTES OF THE SHORE PROTECTION BOARD
HELD ON THURSDAY, NOVEMBER 5, 2015**

commented again on the need for educating the public on the various projects taking place on the beaches. No other comments were made.

XV. ADJOURNMENT

Chairman Ecclestone adjourned the meeting at 11:12 a.m.

APPROVED:



E. Llwyd Ecclestone
Chairman