

**MINUTES OF THE SHORE PROTECTION BOARD MEETING
HELD ON THURSDAY, OCTOBER 23, 2014**

I. CALL TO ORDER

The meeting of the Shore Protection Board was called to order on Thursday, October 23, 2014, at 9:00 a.m. in Town Council Chambers.

II. ROLL CALL

The following members were present: Chairman E. Llwyd Ecclestone, Vice Chair J. Patterson Cooper, Mr. Kane Baker, Mr. Gerald Frank, Mr. Lewis Katz, and Mr. Lee David Goldstein. Mr. Richard Raffo was absent.

III. PLEDGE OF ALLEGIANCE

Chairman Ecclestone led the Pledge of Allegiance.

IV. APPROVAL OF AGENDA

Motion to approve the agenda was made by Mr. Frank and seconded by Mr. Goldstein. The motion carried 6-0 with Mr. Raffo absent.

V. APPROVAL OF THE MINUTES OF THE APRIL 24, 2014, MEETING

Mr. Frank asked that on page 1, line 7, of the minutes Mr. Goldstein's last name be added. He suggested that page 2, line 9, be revised to read, "...more sand would be placed at the north end of Reach 7."

Motion to approve the minutes of the April 24, 2014, meeting as corrected was made by Mr. Goldstein and seconded by Vice Chair Cooper. The motion carried 6-0 with Mr. Raffo absent.

VI. COMMUNICATIONS FROM SHORE PROTECTION BOARD MEMBERS

Mr. Frank reported that there was some flooding problems along the Lake front and asked if the Shore Protection Board should be involved, and if there should be bulkheads.

Vice Chair Cooper said he would like an update on the sand transfer plant in terms of output and what was being received in the catchment area.

Mr. Katz spoke about the upcoming renourishment projects and commitments and goals.

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VII. COMMUNICATIONS FROM CITIZENS - 3 MINUTE LIMIT PLEASE

No one requested to speak.

VIII. CURRENT SHORELINE CONDITIONS [Robert Weber, Coastal Coordinator]

Robert Weber, Coastal Coordinator, gave a PowerPoint presentation on the shoreline conditions.

Chairman Ecclestone asked about the operations at the sand transfer plant. Mr. Weber responded that the plant was operational but the amount of sand being transferred was minimal. He reported that the U.S. Army Corps of Engineers (Corps) had provided some data to the Town, and the physical monitoring surveys also provided data to help determine why the amount of sand had been reduced.

Chairman Ecclestone asked if the Corps could place sand in front of the sand transfer plant and then pump it down the beach rather than have it placed off shore. Paul Brazil, Director of Public Works, answered that it was more efficient if the sand were placed on the dry beach or near shore.

Town Manager Elwell spoke about the upcoming dredging project. He said that the sand was to be placed in deeper water but, after working with the Corps, they had agreed to place it in 2'-3' of water which would benefit the beaches to the south.

In response to a question from Chairman Ecclestone, Mr. Weber stated that there was a beach raker in the front of Par 3 and Phipps Ocean Park. Mr. Brazil reported that the Town only cleans the public beaches; some property owners hire private beach cleaners. A discussion followed on the tilling of the beaches at the beginning of turtle nesting season.

Mr. Baker reported that he had done an aerial view of the beaches and noted a gaping hole where the arm goes down on the sand transfer plant. He stated that the sand transfer plant should be "beefed" up and the arm extended for a longer range. Chairman Ecclestone agreed and added that the concrete wall should be knocked out. Mr. Brazil responded that a steel sheet pile had been placed to intentionally limit how far the sand could be collected. He stated that to make changes to the sand transfer plant would require a permit modification, and those changes should take place when the sand transfer plant is permitted as part of phase 2, extension of the discharge. Town Manager Elwell reminded the Board that phase 2 was on hold to look at other options which may be more cost effective and result in less conflict in the community.

Town Manager Elwell strongly suggested that the Board first allow staff to solve the issue of why there had been less movement of sand over the last couple of years. He cautioned against adding the expense of a new capital project to the financial burden of

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the coastal program. He said that the additional reach of a longer snout would capture a little more sand but the main problem was that not enough sand was going to the plant.

A lengthy discussion followed on extending the arm of the sand transfer plant, efforts to determine why the amount of sand going into the plant had been reduced, the collections of date, the Town's relationship with Palm Beach Shores, and the County's proposed project to place sand on the dunes on Singer Island.

Mr. Brazil explained that data on the sand had been collected north of the sand transfer plant in Palm Beach Shores and reviewed by Woods Hole and Applied Technology & Management (ATM). He said that at the request of Woods Hole and ATM, additional data sets were received from the Corps for the next dredging operation and Palm Beach County, as well as collected by the Town. He stated that within two months, staff would have the technical information on why the sand was not moving south.

Town Manager Elwell stated that if the majority of the Board wanted to move faster and not wait an additional two months for the analysis, the Board needed to take a vote and make a recommendation to the Town Council. He said he would advise the Town Council to wait until the technical information was received.

Motion was made by Mr. Goldstein and seconded by Mr. Baker to find out the cost to improve the arms of the sand transfer plant.

Vice Chair Cooper said he hoped that the Town Manager would express to the Town Council the Board's frustration that the sand transfer plant was not operating at capacity. He said he would like to see the data and make a judgment on that information. Mr. Katz agreed with Vice Chair Cooper and that there was not enough information.

The motion carried 4-2 with Vice Chair Cooper and Mr. Katz dissenting and Mr. Raffo absent.

Town Manager Elwell said he would take the recommendation to Town Council.

IX. MID-TOWN BEACH RENOURISHMENT UPDATE [Robert Weber, Coastal Coordinator]

Mr. Goldstein spoke about the need to plant vegetation on the dunes and show residents how it should be planted. He asked about making it mandatory. Mr. Brazil responded that the Town could not mandate plantings on private property. A discussion followed on the planting of vegetation on the dunes and permitting of the work.

Mr. Brazil gave an update on the Mid-Town Beach renourishment project. He reported that the dredging contractor, Weeks Marine, was scheduled for a late November mobilization and early December start, weather permitting. He further reported that a new Erosion Control Line (ECL) had to be established because the project had grown in

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length. He stated that private property easements were needed for the Mid-Town project and letters had been mailed to the property owners.

X. [PHIPPS OCEAN PARK/REACH 7 AND REACH 8 BEACH AND DUNE TRUCK HAUL UPDATE \[Robert Weber, Coastal Coordinator\]](#)

Mr. Brazil spoke about the project to move sand by truck out of Mid-Town onto Reaches 7 and 8. He said that easements would be needed at Phipps and also in Reach 8 for beach access. He reported that the 3360 Condominium had reviewed the easement document and suggested revisions. He stated that in early to mid-December sand would be placed at Mid-Town and trucked into Reach 7.

Mr. Brazil and Mr. Weber answered Vice Chair Cooper's questions regarding turbidity monitoring, physical monitoring, grain size, location of sand that would be moved to Reach 7, and review by U.S. Fish and Wildlife. Mr. Weber stated that turbidity monitoring is only done where the sand is hydraulically placed; not for truck haul. Vice Chair Cooper suggested that physical monitoring be done as often as possible to collect additional data should it be necessary to add structures. Town Manager Elwell responded that based on the Beach Management Agreement (BMA), it would be the next full scale renourishment project that would determine if structures could be placed in that location. A discussion followed on monitoring, hot spots, and structures.

XI. [UPDATE ON OTHER COASTAL PROJECTS \[Robert Weber, Coastal Coordinator\]](#)

a. [Lake Worth Inlet/Palm Beach Harbor USACE Maintenance Dredging](#)

Mr. Weber reported that the Corps' efforts to knock down sand high points in the Inlet channel was unsuccessful and resulted in shoaling. He further reported that there was an emergency dredging effort by the Corps with 4,985 cubic yards of sand dredged out of the channel and deposited in the east side of the channel in deeper water. He added that a 50,000 cubic yard dredging effort was scheduled in the spring with the sand placement in the near shore.

b. [North Ocean Boulevard Seawall Replacement](#)

Mr. Weber reminded the Board that the seawall project was deferred due to the traffic situation related to the Flagler Bridge. He stated that the project would be commencing in 2015 with final completion in 2016.

c. [Mid-Town Mitigation Artificial Reef](#)

Mr. Weber reported that ATM and Coastal Eco group were working on locating potential sites to install the artificial reef. He further reported that the project would be bid so construction could occur during the summer months when

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conditions are more favorable for construction. He stated that the reef would be located 800' from shore off of Reach 5

d. Reach 8 Environmental Impact Statement (EIS)

Mr. Weber stated that the Town was not involved in the Environmental Impact Study (EIS) study itself but does receive updated schedules from the Corps and Coastal Planning and Engineering. He said that the project was on schedule for a draft EIS to be provided to the public sometime in November with a public meeting held in December (tentatively set for December 4).

e. Physical, Environmental, and Sea Turtle Nesting Permit Required and BMA Monitoring

Mr. Weber summarized the monitoring efforts. He stated that there were additional sea turtle nesting protocols that the Town would have to follow because of the Mid-Town project starting in November.

Mr. Weber reported that Coastal Eco Group was spearheading the effort for the environmental monitoring which would be more in depth this year because it is the first year of the BMA data collection. He further reported that the information would be presented to the public at the annual BMA meeting in December.

Mr. Weber provided an update on the physical monitoring efforts. He reported that the 2014 data a data had been received from Sea Diversified. He further reported that ATM and Woods Hole were working to see if there was any influence from the mitigation pods on the sand transfer plant.

XII. GROIN REHABILITATION PROGRAM, DESIGN & PERMITTING [Robert Weber, Coastal Coordinator, and Thomas Pierro, P.E., CB&I Coastal Planning & Engineering, Inc.]

Tom Pierro from CB&I Coastal Planning & Engineering, Inc. reviewed the groin rehabilitation draft execution plan. He advised that the draft plan was only for the existing groins. He reported that they were in the process of developing the preliminary execution strategy for a multi-year, phased approach to rehabilitating the groins. He spoke about conceptual costs for the various structures (not including mobilization or groin removal), timing, access to the beach, easements, a public awareness program, permitting, scheduling, and phasing of the work.

Chair Ecclestone asked that the annual report to the Town Council include information on the groin report and that it may cost more than the amount budgeted. He said that the groins provide some stability to the investment in the beach.

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There was discussion regarding the budgeting of the groins in the ten-year program; the removal costs; the need for research on where the groins have worked, not worked, and where they need to be placed; permitting of T-head groins; the movement of sand once the groins have been rehabilitated; safety issues with deteriorated groins; and removal and rehabilitation of the groins.

Mr. Katz expressed concern that if the groins were rehabilitated it would prevent sand from moving to the south into Reaches 7 and 8. Mr. Pierro responded that he was sensitive to the issue.

Mr. Brazil stated that the Town could not add new groins where they did not exist. He said the program was to rehabilitate the existing groins.

The Shore Protection Board members commended Mr. Pierro on his report and presentation.

XIII. DRAFT ANNUAL SHORE PROTECTION BOARD REPORT TO TOWN COUNCIL
[Peter B. Elwell, Town Manager]

Chair Ecclestone asked that the report include information on the groin rehabilitation program.

XIV. ANY OTHER MATTERS

Town Manager Elwell stated that the next meeting would be held after the first of the year and would address the annual sediment budget, an update on the implementation of the big projects that were scheduled for the winter, and additional items that had been discussed at the meeting.

XV. ADJOURNMENT

Chairman Ecclestone adjourned the meeting at 11:56 a.m.

APPROVED:


E. Llwyd Ecclestone
Chairman