



TOWN OF PALM BEACH

Town Manager's Office

**TENTATIVE-
SUBJECT TO
REVISION**

SHORE PROTECTION BOARD MEETING

AGENDA

WEDNESDAY, DECEMBER 6, 2017

9:00 AM

**TOWN COUNCIL CHAMBERS
360 SOUTH COUNTY ROAD**

WELCOME!

The progress of this meeting may be monitored by visiting the Town's website (www.townofpalmbeach.com) and selecting "Live Meeting Audio" under the "Your Government" tab. If you have questions regarding that feature, please contact the Office of Information Systems (561) 227-6315. The audio recording of the meeting will appear within 24 hours after the conclusion of the meeting under "Agendas, Minutes, and Audio."

I. CALL TO ORDER

II. ROLL CALL

E. Llwyd Ecclestone, Chair
Kane Baker, Shore Protection Board Member
James C. Gavigan, Shore Protection Board Member
Reuben B. Johnson, III, Shore Protection Board Member
Lewis Katz, Shore Protection Board Member
Melissa Ceriala, Shore Protection Board Alternate Member
Stephen Jacoby, Shore Protection Board Alternate Member
Harvey Kinzelberg, Shore Protection Board Alternate Member

III. PLEDGE OF ALLEGIANCE

IV. APPROVAL OF AGENDA

V. APPROVAL OF THE MINUTES OF THE NOVEMBER 3, 2017 MEETING

VI. COMMUNICATIONS FROM SHORE PROTECTION BOARD MEMBERS

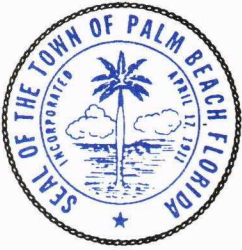
VII. COMMUNICATIONS FROM CITIZENS - 3 MINUTE LIMIT PLEASE

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

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- IX. THE BREAKERS/CLARKE AVENUE CONTINUED DISCUSSION
[Robert Weber, Coastal Program Manager]
- Scope of Work Proposal
- X. COASTAL PROJECTS UPDATE
[Robert Weber, Coastal Program Manager]
- Lake Worth Inlet Maintenance Dredging
 - Sand Forepassing
 - Groin Rehabilitation
 - Reach 8 EIS
- XI. DUNE PLANTING OVERVIEW
[Robert Weber, Coastal Program Manager]
- XII. DRAFT ANNUAL SHORE PROTECTION BOARD REPORT TO TOWN COUNCIL
[Robert Weber, Coastal Program Manager]
- XIII. SCHEDULING OF NEXT MEETING
[H. Paul Brazil, P.E., Director of Public Works]
- Thursday, January 25, 2017
 - Coastal Vulnerability Assessment Update
 - 2017 Townwide Sediment Budget Review and Erosion Rates
- XIV. ANY OTHER MATTERS
- XV. ADJOURNMENT

Note: Disabled persons who need an accommodation in order to participate in the Town Council Meeting are requested to contact the Town Manager's Office at 838-5410 or through the Florida Relay Service by dialing 1-800-955-8770 for voice callers or 1-800-955-8771 for TDD callers, at least two (2) working days before this meeting.



TOWN OF PALM BEACH

Public Works Department

MINUTES OF THE SHORE PROTECTION BOARD MEETING HELD ON FRIDAY, NOVEMBER 3, 2017

1 **I. CALL TO ORDER**

2
3 The Shore Protection Board meeting was called to order on November 3, 2017, at 9:00 a.m. in
4 the Town Council Chambers.

5
6 **II. ROLL CALL**

7
8 All board members were present with the exception of Board Member Lewis Katz.

9
10 **III. PLEDGE OF ALLEGIANCE**

11
12 Chair Ecclestone led the Pledge of Allegiance.

13
14 **IV. APPROVAL OF AGENDA**

15
16 Motion was made by Board Member Baker, and seconded by Board Member Gavigan,
17 to approve the Agenda less the deferral of Item X. The motion carried unanimously.

18
19 **V. APPROVAL OF THE MINUTES OF THE OCTOBER 6, 2017 MEETING**

20
21 Motion was made by Alternate Member Kinzelberg, and seconded by Board Member
22 Baker, to approve the minutes of the October 6, 2017 meeting. The motion carried
23 unanimously.

24
25 **VI. COMMUNICATIONS FROM SHORE PROTECTION BOARD MEMBERS**

26
27 Board Member Gavigan interested in seeing the coastal update presentation after seeing
28 pictures of the water breaking over the seawall on the Civic Association's website.

29
30 Chair Ecclestone noted the recent king tide activity.

31
32 Board Member Frank announced his resignation from the Shore Protection Board (SPB). He
33 was proud that The Breakers and the Town have come together to find a solution. He has been
34 with the SPB almost since the beginning and he is proud of the Board's accomplishments.

35
36 Chair Ecclestone, thanked Mr. Frank for serving as Vice-Chair of the Shore Protection Board.
37 The board echoed his sentiments.

**MINUTES OF THE SHORE PROTECTION BOARD MEETING
HELD ON FRIDAY, NOVEMBER 3, 2017**

1 Alternate Member Kinzelberg mentioned a hot spot to address by Hammon Avenue where the
2 water splashed over the wall onto South Ocean Boulevard.

3
4 Alternate Member Jacoby commented on the flooding near South Ocean Drive near Mar-a-
5 Largo and Sloan's Curve.

6
7 Alternate Member Ceriale noted that she will come to Mr. Frank for advice.
8

9 **VII. COMMUNICATIONS FROM CITIZENS**

10
11 Diane Buhler, Board Member of the Citizens Association of Palm Beach, Founder of Friends
12 of Palm Beach, gave an update on the volunteer efforts surrounding Hurricane Irma and the
13 king tides. They are seeking additional residential access points to dispose of the collected
14 trash.

15
16 Public Works Director Paul Brazil commented that there is a mandate from the Town Council
17 not to pick up the debris from beach cleanup efforts. The Town collects trash from private
18 residents though.

19
20 Chair Ecclestone urged her to come to the next Town Council meeting on December 12, 2017.

21
22 Discussion ensued.
23

24 **VIII. CURRENT SHORELINE CONDITIONS**

25 *Robert Weber, Coastal Program Manager*

26
27 Coastal Program Manager Weber provided a PowerPoint presentation of the shoreline
28 conditions for each reach for the fall and winter seasons.

29
30 Discussion ensued regarding: the dune vegetation, the Gulfstream Road structures and groin
31 rehabilitation, and the public versus private beach cleaning process.
32

33 **IX. THE BREAKERS/CLARKE AVENUE CONTINUED DISCUSSION**

34 *Robert Weber, Coastal Program Manager*

35
36 Coastal Program Manager Robert Weber commented that the Town is working through the
37 details with Applied Technology Management (ATM) for the scope of work and will report
38 back in December. ATM will also provide a final report for distribution and there is nothing
39 future required from the board at this time.
40

41 Discussion ensued regarding the timeline, next steps, and construction costs.
42

43 **X. COASTAL VULNERABILITY STUDY UPDATE**

44 *Robert Weber, Coastal Program Manager*

45
46 Item deferred to next meeting on December 6, 2017.

**MINUTES OF THE SHORE PROTECTION BOARD MEETING
HELD ON FRIDAY, NOVEMBER 3, 2017**

XI. COASTAL PROJECTS UPDATE

Robert Weber, Coastal Program Manager

- Lake Worth Inlet Maintenance Dredging
- Sand Forepassing
- Groin Rehabilitation
- Reach 8 EIS
- Dune Planting

Coastal Program Manager Weber presented an update on the coastal projects, the maintenance of the dunes, removal of exotic vegetation, replanting of new seeds and the scope of work that will be presented at the next meeting.

XII. CONTRACTING ALTERNATIVES AND SAND TRANSFER PLANT POTENTIAL IMPROVEMENTS DISCUSSION

Robert Weber, Coastal Program Manager

Discussion ensued regarding the financial responsibilities of the sand transfer plant's operations and maintenance and insurance.

Board Member Baker noted that the sand transfer plant needs be improved. He proposed the marine consultants look into ways to improve it and find out how much it will cost. It is important because it utilizes the best sand to the Town's beaches.

Motion was made by Board Member Baker, and seconded by Board Member Gavigan, to recommend to the Town Council to get a study done. The motion carried unanimously.

Chair Ecclestone emphasized that the sand transfer plant study should be a first step and then, later explore dredging options. Group discussion ensued.

XIII. SCHEDULING OF NEXT MEETING

H. Paul Brazil, P.E., Director of Public Works

- Wednesday, December 6, 2017
- Coastal Vulnerability Study Update
- Draft Annual Shore Protection Board Report to Town Council
- Comprehensive Review of Town Operations
- Innovative Technologies Discussion

Public Works Director Paul Brazil provided an overview of the items for discussion for the upcoming meetings.

Alternate Member Ceriale requested that the Dune Planting be added to the next agenda.

Alternate Member Kinzelberg would like to see the "Innovative Technologies Discussion" topic to include specifics.

**MINUTES OF THE SHORE PROTECTION BOARD MEETING
HELD ON FRIDAY, NOVEMBER 3, 2017**

XIV. ANY OTHER MATTERS

Board Member Baker requested a clarification regarding the upcoming Shore Protection Board reappointment and election processes.

XV. ADJOURNMENT

There being no further business, the Shore Protection Board of November 3, 2017, was adjourned at 10:48 a.m.

APPROVED:

E. Llwyd Ecclestone
Chairman

TOWN OF PALM BEACH

Information for Shore Protection Board Meeting on: December 6, 2017

TO: Shore Protection Board

FROM: Thomas G. Bradford, Town Manager

VIA: Robert Weber, Coastal Program Manager

RE: The Breakers/Clarke Avenue Continued Discussion
Item IX.

DATE: November 30, 2017

STAFF RECOMMENDATION

Town staff requests the Shore Protection Board (SPB) provide any additional input as deemed necessary.

GENERAL INFORMATION

On October 6, 2017, the SPB recommended that a design and permitting scope of work be advanced directly to Town Council. In preparation of the scope of work, Applied Technology & Management, Inc., received input from the Florida Department of Environmental Protection (FDEP).

Due to the multiple number of stakeholders and the shoreline complexities, FDEP recommended that a Technical Advisory Committee (TAC) be established to maintain concurrence, transparency, and participation through the design and permitting process. The Breakers has informed Town staff that they concur with a TAC approach, and would make their consultant available to participate at their cost.

Therefore, the design and permitting scope of work is being prepared by ATM to include a TAC. The proposal will be advanced directly to Town Council at their January 9, 2017 regular meeting.

In anticipation for design and permitting consideration by Town Council in January, it is expected that Town Council will require some level of understanding with respect to overall cost responsibilities for construction and if public/private partnerships will be expected. Although the design and permitting process will identify more accurate project costs, ATM's initial effort included an 'order of magnitude' construction cost estimate of \$3,600,000 to perform the following recommended actions:

- Breakers' Groin Field: Modify existing structures, \$1,500,000
- North Lauder Wall: Construct new structure, \$400,000
- South Lauder Wall: Construct new structure, \$400,000
- South Clarke Boundary: Construct new structure, \$500,000
- Mid-Town Groin Field: Rehabilitate existing structures (11 total), \$550,000
- Mid-Town North Groins: Extend existing structures seaward, \$250,000

An interim sand placement effort in Mid-Town should be expected for construction with the above action items. The volume of such a sand project will need to be determined. The Town is actively pursuing funding assistance from FEMA for sand losses in Mid-Town associated with Hurricane Irma.

FUNDING/FISCAL IMPACT

Neither the FY 2018 Coastal Management Program budget, nor the Town Council adopted 10-Year Plan includes funds to perform design, permitting, or construction for this project. Funding for the design and permitting effort would need to come from either unappropriated funds within the General Coastal Fund or the General Fund Contingency. Construction cost responsibilities will need to be identified.

cc: H. Paul Brazil, P.E., Director of Public Works
Jane Struder, Director of Finance
Paul Leone, The Breakers Palm Beach
Mike Jenkins, Ph.D., P.E., Applied Technology & Management, Inc.

TOWN OF PALM BEACH

Information for Shore Protection Board Meeting on: December 6, 2017

TO: Shore Protection Board

FROM: Thomas G. Bradford, Town Manager

VIA: Robert Weber, Coastal Program Manager

RE: Coastal Projects Update
Item X.

DATE: November 30, 2017

STAFF RECOMMENDATION

Town staff requests the Shore Protection Board (SPB) provide any additional input as deemed necessary.

GENERAL INFORMATION

Listed below is a brief update of the ongoing activities for the Coastal Management Program. Town staff can provide more details of each item during the SPB meeting.

Lake Worth Inlet Maintenance Dredging

- Mobilization of both heavy equipment and pipes through Kenlyn Road beach access was mostly completed prior to the Thanksgiving holiday. No complaints from residents were received during the mobilization process.
- No work was performed on Thanksgiving through Sunday, November 26.
- The dredge is expected to be onsite on December 2. Dredging will begin next week.
- The project is anticipated to place approximately 200,000 cubic yards of sand on the dry beach in Reach 1 and the northern section of Reach 2 (between the inlet and Palmo Way).

2017 Sand Forepassing

- Construction is to occur following the USACE inlet maintenance dredging project.
- Town staff and a consulting firm are in the process of obtaining the final easements needed to perform the project.
- Town staff attended a required meeting in Tallahassee with state agencies in order for an Individual Project Approval to be issued. FDEP expects to provide their authorization to the Town early in December.
- Tetra Tech, Inc. is currently finalizing the plans and specifications necessary for the procurement process.

- Construction, expected to take only a couple of weeks and, would occur following Town Council authorization in February 2018. Construction is to be completed prior to the start of the next sea turtle nesting season on March 1, 2018.

Groin Rehabilitation Permitting

- Federal permitting is ongoing for the overall program.
- Initial implementation for Phase I of the Groin Rehabilitation Plan, due to the elevated shoreline concerns as a result of recent erosion, is being refocused from the private areas in Reach 2 to the public areas within Mid-Town.
- Town staff is working with the regulatory agencies to have an Individual Project Approval timely issued for the Town to potentially construct one (1) groin at Gulfstream Road prior to March 1, 2017.
- Town staff, consultants, and FDEP staff are working together to identify efficiencies for advancing design and permitting of both the Breakers/Clarke/Mid-Town and Groin Rehabilitation Plan projects as quickly as possible.

Reach 8 Environmental Impact Statement

- The USACE had previously advised the Town to resume permitting of the Town's preferred project prior to issuance of a Record of Decision (ROD).
- Town staff's current direction from Town Council and the Town Manager is to wait for the ROD. Town staff could try to begin a new permitting effort without it, but working in that order is unconventional and may be unsuccessful.
- On November 29, USACE staff informed that no activity on the EIS is expected until the start of the new calendar year. Town staff will follow up with USACE staff in advance of the SPB meeting on January 25, 2017.

cc: H. Paul Brazil, P.E., Director of Public Works
 Patricia Strayer, P.E., Town Engineer
 Dean Mealy, Purchasing Manager

TOWN OF PALM BEACH

Information for Shore Protection Board Meeting on: December 6, 2017

TO: Shore Protection Board

FROM: Thomas G. Bradford, Town Manager

VIA: Robert Weber, Coastal Program Manager

RE: Dune Planting Overview
Item XI.

DATE: November 30, 2017

STAFF RECOMMENDATION

Town staff requests the Shore Protection Board (SPB) provide any additional input as deemed necessary.

GENERAL INFORMATION

The current Town Council-adopted 10-Year Coastal Management Program budget includes an annual line item in the amount of \$25,000 for dune vegetation maintenance within our coastal project areas. This annual line item was included following recommendations received by Woods Hole Group in their 2013 Technical Review of Proposed Coastal Management Program.

Annual maintenance of dune vegetation best ensures a healthy and stable dune system within the Town's project areas. The locations that have received dune vegetation include Reaches 3 and 4 (Mid-Town Beach Renourishment), Reach 7 (Phipps Ocean Park Beach Nourishment), and Reach 8. Typical maintenance of these areas include the removal or trimming of exotic or invasive vegetation, and replanting with native sea oats.

Woods Hole Group has previously advised the Town not to invest heavily in dune planting along sections of the shoreline that do not have sufficient beach width to promote maturation of the plants. However, the community, including both individual SPB members and Town Council members, have expressed a desire for the Town to perform planting in dune-only areas.

One way to meet expectations from the community, while considering the recommendations from Woods Hole Group, is to consider planting more mature sea oats. In a best practices effort not to impact sea turtle nesting, no irrigation is done following the dune planting. In addition, watering can promote the growth of exotic and invasive vegetation that could negatively impact native vegetation.

The Town is preparing to remove exotic and invasive vegetation from the Mid-Town Municipal Beach and Clarke Avenue Beach areas. Maintenance plantings would occur within any open areas of the Mid-Town dunes as a result of either the exotic removal or storm-related impacts.

Maintenance plantings would be completed in Reaches 7 and 8 in areas impacted by storms. New plantings would be placed in Reach 2 within the Sand Forepassing sand placement area (between Palmo Way and Colonial Lane).

FUNDING/FISCAL IMPACT

An appropriation of \$25,000 was included within the FY 2018 Coastal Management Program budget for dune vegetation maintenance.

cc: H. Paul Brazil, P.E., Director of Public Works
Jane Struder, Director of Finance

TOWN OF PALM BEACH

Information for Shore Protection Board Meeting on: December 6, 2017

TO: Shore Protection Board

FROM: Thomas G. Bradford, Town Manager

VIA: Robert Weber, Coastal Program Manager

RE: Annual Report to Town Council
Item XII.

DATE: November 30, 2017

STAFF RECOMMENDATION

Town staff requests that the Shore Protection Board (SPB) review the draft of the Annual Report that will be presented to Town Council and offer comments or revisions.

GENERAL INFORMATION

Each of the Town Council appointed boards and commissions provide annual reports to the Town Council. Town staff has developed a draft version of the report, based on the actions taken by the board during this past year of meetings.

The draft report is to be discussed by the SPB at the December 6, 2017 meeting. Comments by the SPB members will be incorporated into the draft document and Town staff will work with SPB Chairperson, Llwyd Ecclestone, to finalize the document. Each of the SPB members will receive a copy of the Annual Report once the document has been approved by Chairperson Ecclestone. The report is to be presented by Chair Ecclestone to Town Council on December 12, 2017.

Attachment

cc: H. Paul Brazil, P.E., Director of Public Works

TOWN OF PALM BEACH

Information for Town Council Meeting on: December 12, 2017

TO: Mayor and Town Council

VIA: Thomas G. Bradford, Town Manager

FROM: E. Llwyd Ecclestone, Shore Protection Board Chairperson
Robert Weber, Coastal Program Manager

RE: Shore Protection Board Annual Report

DATE: December 6, 2017

The Shore Protection Board (SPB) is comprised of seven (7) regular members and three (3) alternate members appointed by the Town Council for three-year terms.

A chairperson and vice-chairperson are selected by the members. The 2017 SPB membership was as follows:

2017 Shore Protection Board Member	Position	Current Term Expires
E. Llwyd Ecclestone	Chairperson	12/2017
Gerald Frank	Vice-chairperson	12/2019
Kane Baker	Regular Member	12/2018
James C. Gavigan	Regular Member	12/2018
Lee David Goldstein	Regular Member	12/2019
Reuben B. Johnson, III	Regular Member	12/2018
Lewis Katz	Regular Member	12/2017
Melissa Cerialle	Alternate Member	12/2019
Stephen Jacoby	Alternate Member	12/2019
Harvey Kinzelberg	Alternate Member	12/2019

On December 13, 2016, Town Council re-appointed Lee Goldstein and Gerald Frank. With that appointment, both Mr. Goldstein and Mr. Frank were informed that the reappointment would be their final three-year term. Moving forward, Shore Protection Board members will only be allowed to serve for two (2) consecutive three-year terms. However, the board members serving at the time that Town Council set term limits have been grandfathered and will be allowed to apply for one final three-year term regardless of how many terms that they have previously served.

The Board met six (6) times during the 2017 calendar year.

2017 Shore Protection Board Member	Meetings Attended	Absences	Jan. 30	Mar. 23	Apr.27	Oct. 6	Nov. 3	Dec. 6
E. Llwyd Ecclestone	6	0	P	P	P	P	P	P
Gerald Frank	5*	0	P	P	P	P	P	NA
Kane Baker	6	0	P	P	P	P	P	P
James C. Gavigan	6	0	P	P	P	P	P	P
Lee David Goldstein	3**	0	P	P	P	NA	NA	NA
Reuben B. Johnson, III	5	1	P	P	P	E	P	P
Lewis Katz	5	1	P	P	P	P	E	P
Melissa Ceriale	3***	0	NA	NA	NA	P	P	P
Stephen Jacoby	3***	0	NA	NA	NA	P	P	P
Harvey Kinzelberg	3***	0	NA	NA	NA	P	P	P

P = Present

E = Excused

U = Unexcused

NA = Not Applicable

* Resigned on November 3, 2017

** Peacefully Passed on October 1, 2017

*** Appointed by Town Council on May 9, 2017

CURRENT SHORELINE CONDITION

The Town's proactive on-going coastal management efforts have maintained storm protection along the 12.2 miles of Town shoreline. Despite heavy sand erosion associated primarily with Hurricane Irma, no buildings are in imminent danger. Sand from the 2015 U.S.Army Corps of Engineers (USACE) Lake Worth Inlet Maintenance Dredging in Reach 1, 2015 Mid-Town Beach Renourishment in Reaches 3 and 4, and 2016 Phipps Ocean Park Beach Nourishment in Reach 7, have fed sand into Reaches 2, 5, and 8, respectively, to maintain shoreline stability. Dune Restoration in Reach 3 (2016), Reach 4 (2017) and Reach 8 (2015 and 2016) have also added stability to the Town's overall shoreline.

Effects from Hurricane Irma in September 2017 and subsequent seasonal storms have displaced large amounts of sand from the dry beach and into the nearshore. Overall, the volumetric sand losses from the beach attributable to Irma are on the order of hundreds of thousands of cubic yards. Although there is still a decent amount of sand in the nearshore, the beaches have been depleted of sand and have forced seawalls in several areas of the Town (Reaches 2, 3, 4, and 5) to provide a last line of defense for upland improvements and roads. While natural shoreline improvements are expected during the next few months within most of these areas, one 'hot spot' area near Gulfstream Road may require Town intervention to assist with shoreline recovery.

The impacts from Hurricane Matthew were measured and a FEMA claim exceeding \$4 million will be awarded to the Town of Palm Beach. A FEMA project worksheet is being prepared using measured data collected following Hurricane Irma. The Town will claim all eligible volumetric losses to FEMA for Reaches 1 and the northern portion of Reach 2 (inlet maintenance and beach placement), Reaches 3 and 4 (Mid-Town), Reach 7 (Phipps), and Reach 8 (upland only).

2017 COASTAL PROTECTION PROJECTS

The following coastal protection projects were constructed or are underway in 2017:

- Reach 4 Dune Restoration from Hammon Avenue to Via Marina, including approximately 5,000 cubic yards of sand; and
- Reaches 1 and northern portion of Reach 2, U.S. Army Corps of Engineers (USACE) Lake Worth Inlet Maintenance Dredging (from inlet to Palmo Way), including approximately 200,000 to 230,000 cubic yards of sand. Following the USACE project, the Sand Forepassing project will move approximately 20,000 cubic yards of newly placed USACE sand south of Palmo Way approximately 1,800 linear feet to Colonial Lane.

Sand Transfer Plant operations have continued during 2017 with more than 100,000 cubic yards of sand bypassed under the inlet, from Singer Island to Palm Beach Island from January through mid-November 2017.

Monitoring work continued, as required by State's Beach Management Agreement (BMA) and/or Federal permits and, as previously approved by Town Council.

The Town continues to await regulatory action by the USACE for the Reach 8 Environmental Impact Statement (EIS). Action by the USACE, such as publication of a Record of Decision (ROD), is expected to identify possible solutions to be considered for Reach 8. The Shore Protection Board will review and consider a solution in Reach 8, including an FY 2019 budget item, once additional feedback is received by the USACE.

2017 SHORE PROTECTION BOARD ACTIONS

The Breakers/Clarke/Mid-Town Area. The Shore Protection Board has taken repeated actions in 2017 to identify and advance an amicable solution for the Breakers/Clarke/Mid-Town shoreline. In January, the board recommended that the Breakers attend an upcoming Shore Protection Board meeting with their coastal consultant so that both parties can understand and agree on a path forward. In March, following a lengthy discussion with the Breakers staff and consultant, the board recommended that staff and consultants from both the Town and the Breakers are to meet together and develop a plan to address any differences. Such a meeting did occur and the Town's consultant drafted a proposal to work on alternatives with all stakeholders. In April, the board recommended that the alternatives proposal be advanced to Town Council and that the work be performed in the summer months. In October, the board was presented the results of the alternatives analysis. It was the consensus of the Shore Protection Board to recommend that staff proceed with the recommended actions provided by the Town's consultant. Town staff is currently working with this consultant to finalize a design and planning scope of work for Town Council consideration at a future meeting (likely in January 2018). This scope of work is being developed with careful consideration from the Florida Department of Environmental Protection.

Because the solution for the Breakers/Clarke/Mid-Town vicinity will include many elements, some of the work may be performed at differing schedules. Groin-related activities in Mid-Town will continue to be planned and permitted by the Town's consultant that is currently performing permitting activities for the Town's Groin Rehabilitation Plan. Town staff is working closely with the regulatory agencies to identify efficiencies in effort to perform seawall and groin remediation at Mid-Town as soon as possible.

FY 2018 Coastal Management Program Budget. In April, the Shore Protection Board unanimously recommended an FY 2018 Coastal Management Program Budget of \$3.1 million. While this budget mostly includes program maintenance and monitoring requirements, the budget did include funding for the Sand Forepassing project. Additionally, the budget included \$500,000 toward the Town's estimated share of an anticipated study with the U.S. Army Corps of Engineers to designate the Mid-Town Beach Renourishment Project as a Federal project. Such designation would create improved cost sharing from both the State and Federal governments. The Town's overall share of the three-year study will be approximately \$1.5 million. The FY 2019 and FY 2020 proposed budgets will also include \$500,000, respectively, to complete the General Reevaluation Report with the Corps.

The board also recommended that the 'rolling' 10-year outlook be considered when planning for the Town's Coastal Management Program. 9continued0

Sand Transfer Plant Condition, Performance, and Improvements. In November, the Shore Protection Board recommended that Town staff obtain a proposal from a consultant for a complete evaluation of the Sand Transfer Plant. The purpose is to identify any improvements that can be performed to enhance bypassing productivity. A proposal will be advanced to Town Council at an upcoming meeting.

Administrative. Because Town Council added three alternates to the board, the Shore Protection Board spent some time getting the new alternate members informed of Sunshine Laws, Public Records Laws, and a Historical timeline of the Town's Coastal Management Program.

ANTICIPATED 2018 SHORE PROTECTION BOARD ACTIONS

Prior to Town Council review and consideration, the Shore Protection Board will discuss and recommend actions for the following notable items in 2018:

- FY 2019 Coastal Management Program Budget;
- Implementation of shoreline solution for Breakers/Clarke/Mid-Town area as the first phase of the Groin Rehabilitation Plan;
- Interim Sand Placement in Mid-Town; and
- Coastal Project in Reach 8.

cc: H. Paul Brazil, P.E., Director of Public Works