



TOWN OF PALM BEACH

Town Manager's Office

**TENTATIVE-
SUBJECT TO
REVISION**

SHORE PROTECTION BOARD MEETING HELD VIRTUALLY VIA ZOOM WEBINAR

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AGENDA

THURSDAY, OCTOBER 1, 2020

9:00 AM

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
Lewis Katz, Vice-Chair
Kane Baker, Shore Protection Board Member
Melissa Ceriale, Shore Protection Board Member
James C. Gavigan, Shore Protection Board Member
Reuben B. Johnson, III, Shore Protection Board Member
Warren Belmar, Shore Protection Board Member
Vladimir Rapoport, Shore Protection Board Alternate Member
Erick Reickert, Shore Protection Board Alternate Member

III. PLEDGE OF ALLEGIANCE

IV. APPROVAL OF AGENDA

V. APPROVAL OF THE MINUTES OF THE NOVEMBER 21, 2019 AND JANUARY 23, 2020 MEETINGS

VI. COMMUNICATIONS FROM CITIZENS - 3 MINUTE LIMIT PLEASE

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

VIII. COASTAL PROJECTS UPDATE
[Robert Weber, Coastal Program Manager]

- Lake Worth Inlet Maintenance Dredging
- 2021 Phipps Ocean Park Beach Nourishment
- 2021 Dune Restoration in Reaches 7, 8, and 9
- Dune Planting
- Reach 8

IX. MID-TOWN, RECENT AND UPCOMING PROJECTS AND ACTIVITIES
[Robert Weber, Coastal Program Manager]

- Construction of 2020 Mid-Town Beach Nourishment
- Future South Extension of Mid-Town Beach Nourishment Project Area
- Mid-Town Seawall Replacement Design and Permitting
- 2021 Dune Restoration in Reaches 3 and 4
- The Breakers/Clarke Avenue/Mid-Town Shoreline Stabilization Project

X. SCHEDULING OF FUTURE MEETINGS
[Patricia Strayer, P.E., Town Engineer]

XI. COMMUNICATIONS FROM SHORE PROTECTION BOARD MEMBERS

XII. ANY OTHER MATTERS

XIII. 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

Town Manager's Office

MINUTES OF THE SHORE PROTECTION BOARD MEETING HELD ON THURSDAY, NOVEMBER 21, 2019

I. CALL TO ORDER

The Shore Protection Board meeting was called to order on Thursday, November 21, 2019, at 8:59 a.m. in the Town Council Chambers.

II. ROLL CALL

On roll call, all of the Board Members and alternate Board Members were present.

III. PLEDGE OF ALLEGIANCE

Chair E. Llwyd Ecclestone led the Pledge of Allegiance.

IV. APPROVAL OF AGENDA

Motion was made by Vice-Chair Lewis Katz and was seconded by Board Member Melissa Ceriale to approve the agenda. The motion carried unanimously.

V. APPROVAL OF THE MINUTES OF THE APRIL 25, 2019 MEETING

Motion was made by Vice-Chair Katz and was seconded by Board Member Ceriale to approve the April 25, 2019 minutes. The motion carried unanimously.

VI. COMMUNICATIONS FROM CITIZENS - 3 MINUTE LIMIT PLEASE

Pat Cooper, West Palm Beach, representing himself as a consultant to the Civic Association. Mr. Cooper stated he attended the Port of Palm Beach meeting, where it was brought up that there was dredging that took place this year and sand wound up on the beach. A pilot noticed that shoaling was taking place at the beginning of the inlet a month after dredging took place. There was a vote to dredge down to 38' at the mouth of the inlet (north part of inlet where sand had been accumulating) to capture the sand. Mr. Cooper wants to make the Shore Protection Board aware because (a) they are going down 38', (b) if there is dredging going on, perhaps sand can end up on the dry beach and (c) to discuss there is an overabundance of sand, why isn't the sand transfer plant capturing it as it seems

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1 like an opportunity for the Town to capture more sand. Costal Program Manager Robert
2 Weber responded that, at the Port Commission Meeting, November 21st, the Board
3 supported Port staff request that the Army Corps of Engineers dig a little deeper in the area
4 that is shoaling. That is not what's going to be happening in this area this winter. The
5 dredging is on its way and will be here momentarily as they were delayed due to rough
6 weather. Because shoaling occurred so rapidly, it was a thought that perhaps from the Port
7 that it could be dug deeper in the future. When they come to do the dredging, they are going
8 to dredge not only the channel, but the settling basin as well.

9
10 Diane Buhler, Friends of Palm Beach. Over the summer, they picked up a lot of trash from
11 Sloan's Curve to the inlet. Turtle season is over and tractors are out and are tilling the trash
12 and braking it up more on the beach. Scientists at Palm Beach Atlantic started a study of
13 where it can be coming from. The pieces collected from the 9 months of last year have
14 been catalogued and have been given to manufacturers.

15
16 Fellowship Friday will be held hosting another clean-up at 1576 South Ocean Boulevard
17 and everyone is welcome to come join Friends of Palm Beach. Board Member Harvey
18 Kinzelberg asked if there is any reduction of litter on the beach. Ms. Buhler replied that
19 what is coming onto the beach is washing ashore. Board Member Ceriale asked about
20 tilling and medical waste issue. As far as it being rotating down into sand not being picked
21 up and taken away. Could there be better coordination between your work and picking up
22 before any machines are around to till? Ms. Buhler responded she is asking for better
23 service from Town's vendor, the mechanism is not picking up what is needed. Chair
24 Ecclestone asked, where do they start on the beach and when they drive the tractor up and
25 down on the beach are they driving stuff into the sand. Coastal Program Manager Robert
26 Weber responded since seaweed became an issue, the Town has initiated beach cleaning
27 efforts on public beaches which is only done on Mondays and Fridays and is only for raking
28 and burying the seaweed. The contractor is to remove debris on the beach first before it is
29 raked; he is unable to pick-up micro-plastics. Picking up micro-plastics is not in the scope
30 of work.

31
32 Vice-Chair Katz asked Diane Buhler how would she schedule the clean-up process and
33 who does what, and when, because everyone goes in a track and at the end is cleaned up
34 of what is left. It is not the best way to clean up the beach. Ms. Buehler responded their
35 schedule is Monday-Friday, 8:00am-3:00pm every day. It would be a good idea to
36 coordinate to stay ahead of the plastics. Vice-Chair Katz said looking for medical waste is
37 the most important thing and should be a priority. Board Member Ceriale asked shouldn't
38 it be addressed the coordination between Diane Buhler and the Town for optimal use of
39 both entities. Town Engineer Patricia Strayer said it is important to note that the Town is
40 only doing two (2) beaches and a lot more coordination needs to go on with the private
41 beaches. Coastal Program Manager Weber responded that they meet with beach rakers
42 before sea turtle nesting season, and, with the state to coordinate efforts with sea turtle
43 nesting, a permit has to be obtained from DEP.

44
45 Bradford Gary, 229 Onondaga. Asked to share an exhibit he had with him of new data
46 showing flooding in the Town of Palm Beach which was developed by scientists at Florida

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Atlantic, flood zones identified by first time Lidar Imagery (passed out data). Flooding out of Palm Beach at 2' main water at Lake Trail, it doesn't take much to overtop seawalls. It is new data and should be working hard to find a plan for the lake side. Mr. Gary feels Woods Hole Group's report was very incomplete.

Tom Warnke, Surfrider Foundation and Executive Director of Surfing Florida Museum in West Palm Beach. There is an event on December 7th the City of West Palm Beach is having a four (4) part movie series, 7:00pm movie is "The Story of Plastic". Mr. Warnke discussed the preferred alternative for Breakers/Clarke Beach area is something the Surfrider Foundation supports. Mr. Warnke asked how many meetings a year the Shore Protection Board has. The Board is the most important Board in the Town with a critical time, he recommends meeting monthly. There are serious issues coming up. Chair Ecclestone replied that he has the option to call a meeting, however, it would need to be approved by the Town Manager.

VII. CURRENT SHORELINE CONDITIONS

[Robert Weber, Coastal Program Manager]

Coastal Program Manager Robert Weber read Alternate Board Member Stephen Jacoby's letter of resignation. A series of shoreline condition photos were shown. Vice-Chair Katz said some of the areas after the hurricane are pretty good after planting the dunes. Vice-Chair Katz feels that there should be a dedicated effort to plant the dunes after the beach nourishment project. Coastal Program Manager Weber said vegetation would likely not be able to put on in the dunes before the height of turtle nesting season. Vice-Chair Katz said the Citizens Association should work with the condo members to coordinate another set of plantings and need to understand to do it once the sand is there that planting should start. Coastal Program Manager Weber said we just need to be conscious of sea turtle nesting season.

VIII. COASTAL PROJECTS UPDATE

[Robert Weber, Coastal Program Manager]

Lake Worth Inlet Maintenance Dredging 2019/2020 / Mid-Town Beach Nourishment 2020 / Phipps Ocean Park Beach Nourishment 2020 / Reach 8 Dune Restoration

Coastal Program Manager Weber presented update. The Corps' maintenance dredging is a little behind schedule, work will continue through Thanksgiving, and seems it will go through to December 6th. Coastal Program Manager Weber asked the Corps to be aware of the work being performed.

The Sand Forepassing Grant was received from the State to cost-share and it is good for a few years. Board Member Kane Baker asked what is the reason for less sand in inlet? Coastal Program Manager Weber replied it was a mild season, therefore, not as much sand movement. Public Works Director Paul Brazil said sand transfer plant was never permitted and the Town would have to go through a bidding process that could be challenging, there isn't an easement for it yet, which would have to include the Army Corps of Engineers, Palm Beach Shores, DEP, and everyone needs to be involved to be permitted. Then they

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1 would have to show no damage to Palm Beach Shores, the more sand the Town moves, the
2 bigger impact we have to Palm Beach Shores. Board Member Kinzelberg asked of the cost
3 benefit analysis, would there a benefit to deferring beach nourishments for a few years to
4 invest in a large pumping station, is that feasible. Director Brazil responded that he does
5 not believe it will be and still limited to sand coming to Palm Beach.
6

7 Coastal Program Manager Weber stated that the only item that had significant change was
8 the Maintenance Dredging Project because of the schedule. The Mid-Town, Phipps, and
9 Reach 8 are all out to bid at this time. The Army Corps of Engineers will be opening their
10 bids on December 11th and more information will be available at that time.
11

12 Board Member Johnson shared comments regarding the Mid-town project. There is
13 information available regarding the project, through Rob Weber's email to Town Council
14 dated September 27th, a Daily News article written by William Kelly dated October 10th,
15 and there is an audio recording of a meeting with the Army Corps of Engineers on October
16 15th regarding the project. The take away from this information is that the Town has an
17 historic opportunity to participate in a federally funded project with a 50 year life that can
18 provide as much as \$200 million dollars for beach renourishment. The tax payers of the
19 Town of Palm Beach will not have to pay for part of this program. Unfortunately, the
20 actions of a group of 11 owners with beach front property that reside on North Ocean
21 Boulevard between Wells Road and Seminole Avenue threaten to reduce the amount of
22 funding we are to receive by \$50 million dollars over the life of the project due to their
23 refusal to comply with federal requirements. Those refusing may be seasonal residents. As
24 a shore board we need to understand the facts of the situation and urge the Town Council
25 to act to prevent the loss of outside funding for the beach nourishment projects. Efforts
26 have been made to educate those who do not want to sign and to secure their compliance,
27 all efforts have failed.
28

29 The program is known as the Palm Beach County Federal Shore Protection Project and we
30 are the mid-town segment of that. Several other towns in the county already participate in
31 the program. Federal government cost shares all projects paying 50% of all of it, this is
32 huge. Moreover, there can be immediate remediation of the beach after a declared storm.
33 The Federal Government will come in immediately and pay 100% of the cost of the
34 remediation. One problem has arisen; the requirement that the property owners that are
35 affected along the shore provide a perpetual easement for the work. The Corps wants
36 everything in place so they can move quickly in the event of a storm. Those along North
37 Ocean Boulevard are insisting upon changes and will not provide the easement. It would
38 change very little in regard to how the beach is used and what rights the public has to use
39 the beach.
40

41 So, what do we know? We know that the Town has a terrific historic opportunity to receive
42 federal funding. We know that Palm Beach tax payers will be rewarded greatly. We know
43 that some property owners are opposing signing the easements. If these individuals do not
44 sign, it can cost tax payers a lot of money over the life of the project. Nevertheless, the
45 beaches in the front of those properties will continue to be renourished using others tax
46 dollars.

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IX. THE BREAKERS/CLARKE AVENUE/MID-TOWN TECHNICAL ADVISORY COMMITTEE RECOMMENDATIONS

[Michael Jenkins, Ph.D., P.E, Coastal Engineering Principal, Applied Technology & Management, Inc.]

Dr. Michael Jenkins, Ph.D., P.E, Coastal Engineering Principal, Applied Technology & Management (ATM), proceeded with presentation. Discussion ensued.

Board Member Ceriale thanked Dr. Jenkins for all the work they do. Paul Leone, Chairman of The Breakers, appreciates clarification of regional effort to using Clarke Avenue, he appreciates the efforts of everyone, allocation of resources, consideration for the concerns The Breakers raised through process. The Breakers has no objection to move forward. The Breakers rock piles which were in place since 1968 were the cause of this situation experienced about 5 years ago with the erosion that occurred right after sandfill project. The condition of The Breakers beach since March 2018 since its miraculous recovery, the beach has been stable up until last month of nor'easter suffered more erosion. The Breakers need sand seaward of the rock piles, the gap needs to be filled. It would be worth considering an investment and mitigate. The Breakers is willing to invest in mitigation. Public Works Director Brazil asked Mr. Leone the removal of the rock piles, is there an objection to that. Paul Leone said he is unable to answer at this time. Discussion needs to be had. Director Brazil advised if Shore Protection Board is comfortable with removal but The Breakers is not, it can be brought to Town Council.

Motion was made by Vice-Chair Katz Shore Protection Board recommends to the Town Council to extend the Seabreeze Avenue groin to rehabilitate the Mid-Town groin field and to remove the seaward section of The Breakers rock pile conditioned upon The Breakers approval. Motion seconded by Board Member Ceriale. The motion carried unanimously.

X. DRAFT ANNUAL SHORE PROTECTION BOARD REPORT TO TOWN COUNCIL

[Robert Weber, Coastal Program Manager]

Coastal Program Manager, Robert Weber discussed Annual Shore Protection Board Report that will be brought to Town Council, December 10th. Board Member Ceriale asked could consideration of additional conversation on inlet side of island (include ocean and lagoon side). Coastal Program Manager Weber confirmed that he will add it.

Motion was made by Vice-Chair Katz to accept the Annual Shore Protection Board Report to Town Council. Seconded by Board Member Johnson. The motion carried unanimously.

Alternate Board Member Warren Belmar thanked staff for keeping the Shore Protection Board apprised and asked, going forward, to advise members of actions taken by Town Council and Town Manager.

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Board Member Ceriale would like to have further discussion on the volunteer action in Town that Diane Buehler is heading up on clean-up, the raking, and the outside contractors that are brought in to, as a Board, to make recommendations to combine efforts in protecting citizens of the island.

XI. SCHEDULING OF FUTURE MEETINGS

[Patricia Strayer, P.E., Town Engineer]

Town Engineer, Patricia Strayer, conducted discussion. Meeting for January 23, 2020 is certain. Board Member Ceriale said she would like to include a workshop date for 2020. Coastal Program Manager Robert Weber will include on January's agenda and see what dates are available to reserve Council Chambers.

XII. COMMUNICATIONS FROM SHORE PROTECTION BOARD MEMBERS

Board Member Baker said the Shore Protection Board serves as an advisory committee to the Town Council, nothing should be political, everything should always be positive. Board Member Ceriale has no additional comments at this moment. Board Member Gavigan said he would like to add workshop to discuss issues. Board Member Johnson had no additional comments. Vice-Chair Katz (1) Thanked the audience for their turnout. (2) Thanked Council members for attending. (3) He is thankful for Coastal Program Manager Weber for an extraordinary job. Board Member Kinzelberg said the nourishment project is executed and underway and is hoping the whole matter of the easement would be laid to rest. (1) In 2013 neighbors signed a 10 year easement agreement with the Town for nourishment of the beaches, most of the homeowners are residents at least 9 months out of year. (2) In 2019 parking fees were raised and caused consequences causing people to overrun properties and causing damage. (3) Easement Agreement has not been read by most people, it is clear from easement and Army Corp. fact sheet that the easement makes the private beaches public from the seawall to ECL and prior owners are not allowed to say anything to the people on the beach. (4) Easement Agreements - The Breakers signed Easement Agreement a small portion of their beach and owners would give a larger portion of their property. (5) He objects to the term "Ocean 11" homeowners have had their neighborhood upset and having their hands tied and giving away property they pay for annually. (6) Residents want the sand, try to work out an accommodation, neighbors have to call police to get people off their property. Board Member Johnson said to oppose to providing easements and causing the Town to lose federal monies and residents to pay more taxes because of refusal to sign easements, seems like the wrong solution to the problem, jeopardizing the Town program with a substantial amount of money. Alternate Board Member Belmar stated he lives at Sun & Surf Condominium, 240 units, he does not know why rates for parking were raised at the public beach. They're asking the public to pay for the sand on the beach. What is the solution? If there are misconducts, why aren't they being enforced? Alternate Board Member Belmar suggests a solution to the problem is not the parking, the Town should enforce the rules. He urges Town Council to address the issue and the Town to enforce the rules in place.

XIII. ANY OTHER MATTERS

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XIV. ADJOURNMENT

**There being no further business, the Shore Protection Board of November 21, 2019,
was adjourned at 12:07 p.m.**

APPROVED:

E. Llwyd Ecclestone
Chairman

*Meeting audio is located at:
<https://townofpalmbeach.granicus.com/MediaPlayer.php>*



TOWN OF PALM BEACH

Town Manager's Office

MINUTES OF THE SHORE PROTECTION BOARD MEETING HELD ON THURSDAY, JANUARY 23, 2020

I. CALL TO ORDER

The Shore Protection Board meeting was called to order on Thursday, January 23, 2020, at 9:02 a.m. in the Town Council Chambers.

II. ROLL CALL

On roll call, all of the Board Members and alternate Board Members were present with the exception of Kane Baker, who had an excused absence.

III. PLEDGE OF ALLEGIANCE

Chair E. Llwyd Ecclestone led the Pledge of Allegiance.

IV. APPROVAL OF AGENDA

Motion was made by Board Member James Gavigan and was seconded by Board Member Reuben Johnson to approve the agenda. The motion carried unanimously.

V. SWEARING IN OF APPOINTED MEMBERS

Appointed Alternate Board Members, Vladimir Rapoport and Erick Reickert were sworn in by the Town Clerk's office prior to the Shore Protection Board meeting.

VI. ELECTION OF CHAIR FOR 2020 SHORE PROTECTION BOARD

Motion was made by Vice-Chair Lewis Katz to elect Chair E. Llwyd Ecclestone and was seconded by Board Member James Gavigan. The motion carried unanimously.

VII. ELECTION OF VICE-CHAIR FOR 2020 SHORE PROTECTION BOARD

Motion was made by Chair E. Llwyd Ecclestone to elect Vice-Chair Lewis Katz and was seconded by Board Member Reuben Johnson. The motion carried unanimously.

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VIII. APPROVAL OF THE MINUTES OF THE NOVEMBER 21, 2019 MEETING

Motion was made by Board Member Reuben Johnson to defer approval of the November 21, 2019 minutes due to edits and to bring to the next Shore Protection Board meeting. Patricia Strayer, P.E., Town Engineer, agreed to review the November 21, 2019 recorded minutes and to bring edits to the next Shore Protection Board meeting. Seconded by Board Member Melissa Cerialle. The motion carried unanimously.

IX. COMMUNICATIONS FROM CITIZENS - 3 MINUTE LIMIT PLEASE

Resident Bradford Gary of 229 Onondaga Avenue passed out a Thames Barrier exhibit as a short briefing on sea gates with suggestions to adding the concept of sea gates to the work plan with Woods Hole Group (WHG).

Vice-Chair Lewis Katz asked if the Army Corps of Engineers could come to the Shore Protection Board to talk about the sea gate. Coastal Program Manager, Robert Weber, shared that WHG is aware of the opportunity to do this. It is included in their study already and will be included at some point.

X. CURRENT SHORELINE CONDITIONS

[Robert Weber, Coastal Program Manager]

Coastal Program Manager, Robert Weber presented a photo presentation of the shoreline condition.

XI. 2019 TOWNWIDE SEDIMENT BUDGET REVIEW AND EROSION RATES DISCUSSION

[Robert Weber, Coastal Program Manager and Michael Jenkins, Ph.D., P.E., Coastal Engineering Principal, Applied Technology & Management, Inc.]

Dr. Michael Jenkins, Principle Coastal Engineer for Applied Technology & Management, Inc., made a presentation of the annual summary. 1990 is used as a baseline check on how everything is long term. Shorelines: it is an imprecise measurement of the beach, it changes all the time, and volume tells you a lot more than the shoreline. At the inlet going south, there was a little recession and a little gain going south from Reach 1 and 2. There are gains all throughout the Town. Long term, there are gains in mid-Town. There are issues in total volume of sand, there are positive trends throughout the Town. The issues is regarding distribution. The good news is there is deficits in Reach 2, however, they are going down, in low rates, and mild. Reaches 3 & 4, there are long-term gains. Reach 5 & 6 goes down further south. Sloan's Curve, there is net loss long term. Phipps has a strong history of gain, and has had minimal changes. Reach 8, don't see huge gains or losses. Short term Town-wide, there is a net gain in shoreline of 2 ½ feet. Long term Town-wide, has advanced 40 feet, there has been gain throughout every Reach. Volumes, the important measure is volume that is sand on beach and water. There are net gains throughout the Town.

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Board Member Ceriale said we are in better shape now than in the last decade, due to work from the Committee and Town has done on the BMA. Vice-Chair Katz suggested inviting people from Reach 8 to the next Shore Protection Board meeting to discuss direction. Board Member Ceriale asked if it would be appropriate to conduct a separate presentation just for Reach 8 at Reach 8, which would be convenient for the residents. Coastal Program Manager Weber replied that staff works with the Citizens Association, and a presentation has been made to them.

XII. COASTAL PROJECTS UPDATE

[Robert Weber, Coastal Program Manager]

Lake Worth Inlet Maintenance Dredging: The Army Corps of Engineers is coming back next winter to do full project to remove sand from the channel and settling basins. It will be placed as far south as Palmo Way. 2020 Mid-Town Beach Nourishment: Awarded by Corps of Engineers, there is coordination needed between contractor and Army Corps regarding equipment. Work will start the first/second week of February. The contractor is planning to bring in two (2) pieces of equipment, work is going to get started and in place with completion by April 30th. Board Member Belmar spoke regarding beach nourishment project and indicated the cost of contract signed by the Corps is \$19.1 million because lack of easements, the percentage paid by the Town increased and the amount the federal government funded decreased, what would the net increase to the Town be because of lack of easements. Coastal Project Manager Weber replied once completed, there will be reconciliation with Army Corps of Engineers, if there is any additional funds the Town needs to provide, we are at a 50/50 right now. Phipps Ocean Park: Project is contingent on mid-town project when it will start and stop. Staff is working with FEMA to replace what was lost from hurricanes Matthew and Irma, the funds have expiration dates, staff is working with FEMA if the project gets delayed, we do not want to lose FEMA funds. Staff is also working with the town of South Palm Beach to place sand in Reach 9 which is the town of South Palm Beach it will directly benefit Reach 9 in the town of S. Palm Beach, it will indirectly benefit the Town of Palm Beach as it is headed towards the south at Reach 8. 2020 Dune Planting: The timing is getting close to get sand on beach the dune planting effort probably won't start before November 1st. There was loss in dune areas in Reach 7 & 8, we lost sand and vegetation, in discussion with FEMA sand and vegetation relief will be considered. Reach 8: staff is going to have more detail at the next Shore Protection Board Meeting. The sand will be coming back from Reach 8. Reach 8 is protected with repetitive dune restoration projects which have been done already. Breakers/Clarke Ave/Mid-Town: the Shore Protection Board left off with the recommendation given for staff to advance a Scope of Work proposal for design and permitting to begin, staff has yet to see a final report from the Technical Advisory Committee. Town Engineer, Strayer said it will be going to Council at the March meeting for the scope of design and permitting.

XIII. ESTABLISH SHORE PROTECTION BOARD GOALS FOR 2020 CALENDAR YEAR

[Patricia Strayer, P.E., Town Engineer]

Town Engineer, Strayer spoke of the eight (8) goals that were prior to workshop held last year with two (2) additional goals were added. Out of the 10 goals, five (5) have been

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1 achieved. Town Engineer, Strayer suggested that because of so many projects, and the time
2 dedicated to the implementation, there is a lot on everyone's plates this year. Board
3 Member Johnson, questioned item #5, "initiate" does not feel enough was done with guest
4 speakers and government officials which has not been achieved. Coastal Program Manager
5 Weber responded that back in 2009 there were a series of 15 meetings held with the Shore
6 Protection Board between January and November, people from all different agencies spoke
7 to Shore Protection Board at that time. Board Member Johnson replied that no one other
8 than the Chair and Vice-Chair were apart of those meetings. Town Engineer, Strayer
9 clarified the Shore Protection Board carried these eight (8) goals through during the last 10
10 years, because not all of the Board was present, if there is something the Board would like
11 to revisit, that can be done. Chair Ecclestone questioned where the groins are indicated.
12 Coastal Program Manager Weber, #3 implemented hard capture covers all the groins,
13 seawalls, harden structure technology, it was captured. Chair Ecclestone said we have a
14 definite plan that was done with the Corps of Engineers and does not want to lose sight of
15 it. Chair Ecclestone asked if there is a plan in place. The language submitted by the Corps
16 of Engineers with Shore Protection Board approval.
17

18 **Motion was made by Board Member Melissa Cerialle to continue pursuing with the**
19 **Town Council the approval of the groin rehabilitation project, based on the Corps of**
20 **Engineers drawings which have been accepted and approved and to clarify financial**
21 **responsibility for groin rehabilitation. Seconded by Board Member James Gavigan.**
22 **The motion carried unanimously.**
23

24 Board Member Belmar questioned item #8, "achieved", where are we on seawall issue.
25 Coastal Program Manager Weber replied some have been restored there at North Ocean
26 Boulevard at the Country Club and the south end at old Reach 8 at South Ocean Boulevard.
27 There is a bid solicitation out for design and permitting to restore and put in new seawall
28 in the mid-town beach area, that's why it indicates "achieved". Board Member Johnson
29 asked if anyone has done an inventory of the seawalls. Town Engineer, Strayer replied not
30 aware if there ever was an inventory of sea walls. Coastal Manager Weber replied that we
31 have inventory of where all seawalls are in the town, there are gaps but consultants have
32 not been sent out to do that work. Board Member Johnson would like to add an idea to
33 revisit easement issue after the project is completed this spring and amending the
34 agreement with Army Corps of Engineers in order to increase federal funding for shore
35 projects. Town Engineer Strayer replied we will capture this in the minutes as part of the
36 discussion, but assures it is on everyone's radar to try to make sure the next mid-town
37 project has greater cost sharing and the Corps has agreed with us that if the issue is resolved,
38 we can increase our cost sharing. Board Member Cerialle asked if there is a time-line the
39 Corps is working on that they need to resolve this by. Town Engineer, Strayer replied prior
40 to the next mid-town renourishment project.
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XIV. SCHEDULING OF FUTURE MEETINGS

[Patricia Strayer, P.E., Town Engineer]

Chair Ecclestone said schedule a meeting sometime in April. Town Engineer, Strayer said the Chambers room is available April 23rd. If there is a change in date, it is pending Chambers availability. Board Member Ceriale suggests a workshop added to the calendar. Town Engineer, Strayer suggests that workshops should take place later in the year as there is a lot on staff's plate, possibly September or October could be the best time for a workshop. Board Member Belmar suggests something sooner while people are in town. He suggests March to schedule a forum not a workshop. Town Engineer, Strayer suggested March 26th as the only date the Chambers is available in March, however, would be difficult to get together for a workshop as there is a lot of time and preparation to go into the workshop and a demand of Mr. Weber's time, as he has several things on his plate at this time. Town Engineer Strayer suggested a one-on-one discussion with Board Members instead of a formal Board meeting.

Board Member Ceriale shared that there may be a need for some Public Relations, through or with Town Council, (i.e. interview with Palm Beach Post or magazine) so people can get an idea on where the Shore Protection Board and what kind of shape we are in. Town Engineer, Strayer said when the Town Manager changed and there was a review of the budget, both the public relations for undergrounding and shore protection was cut and it was determined to do it internally. Frequently there are stories on the front of the shiny sheet talking about the success of the Shore Protection program. Chair Ecclestone said it would be a good idea to have a public relations person in the budget. Town Engineer, Strayer replied that she will bring up the public relations person at the April 23rd meeting to make a recommendation to include it in the budget.

Board Member Ceriale invited Susan Gary 229 Onondaga, who is in the audience, to add to the discussion, as she sits on the Undergrounding Task Force. Ms. Gary indicated there is access in the newspaper under "ask the mayor" column that comes out on occasion, the Undergrounding Task Force has dealt with the same issues in getting the public involved. There was no approval for public relations efforts. We cannot tell the newspaper to run articles. There is an "Ask the Mayor" column that is an established mechanism to get a question asked of the mayor. Also suggested, Palm Beach Civic Association they have recently has hired someone who interviews researchers and interviews people, residents, and experts on different issues. Maybe something the Civic Association can help with public relations and education to the community. Board Member Ceriale suggests to have workshops in the fall and meanwhile reach out to some built-in resources for public relations work.

XV. COMMUNICATIONS FROM SHORE PROTECTION BOARD MEMBERS

Board Member Belmar said he is pleased with reports received and the work the staff and town is doing. Mr. Belmar offered assistance for staff and will recommend that into the budget. Board Member Ceriale said it was an excellent meeting. Board Member Gavigan said excellent meeting and to keep pushing on groin rehabilitation when it comes up. Vice-

**MINUTES OF THE SHORE PROTECTION BOARD
HELD ON THURSDAY, JANUARY 23, 2020**

1 Chair Katz, thanked everyone. Board Member Johnson thanked everyone. Alternate Board
2 Member Vldimir Rapoport and Alternate Board Member Erick Reickert thanked everyone.
3

4 **XVI. ANY OTHER MATTERS**

5
6 **XVII. ADJOURNMENT**
7

8 **There being no further business, the Shore Protection Board of January 23, 2020, was**
9 **adjourned at 11:24 a.m.**
10
11
12
13

14 APPROVED:

15
16
17
18
19 _____
20 E. Llwyd Ecclestone
21 Chairman
22

23 *Meeting audio is located at:*
<https://townofpalmbeach.granicus.com/MediaPlayer.php>

TOWN OF PALM BEACH

Information for Shore Protection Board Meeting on: January 23, 2020

TO: Shore Protection Board

FROM: Kirk W. Blouin, Town Manager

VIA: Robert Weber, Coastal Program Manager

RE: Coastal Projects Update
Item VIII.

DATE: September 28, 2020

STAFF RECOMMENDATION

Town staff requests the Shore Protection Board (SPB) review the attached information and provide any additional input deemed necessary.

GENERAL INFORMATION

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

Lake Worth Inlet Maintenance Dredging

- The Corps initially scheduled a return to the Lake Worth Inlet in late 2020 to perform a maintenance dredging event that would include the settling basins as only the channel was dredged during the last event.
- The Corps has informed the Town and the Port that the only dredging event that will occur this coming construction season is an “emergency” event with the specific purpose to dredge shoaling within the channel and to deposit the limited sand in the nearshore off of Reaches 1 and 2 sometime in November 2020.
- The Corps is now scheduling a return to the Lake Worth Inlet in late 2021 to perform a maintenance dredging that will include the settling basins.

2021 Phipps Ocean Park Beach Nourishment and Dune Restoration in Reaches 7, 8, and 9

- This project was included in the Corps’ bid solicitation for Mid-Town. The contractor was unable to complete the work before May 2020, so the project was delayed until next construction season (after November 1, 2020).
- The delay gave an opportunity for the Town to solicit bids for the project to see if better prices could be obtained. The bid opening is scheduled for October 1, 2020 at 2:00pm.
- Town Council is expected to consider award to the lowest responsive bidder during their October 13, 2020 regular meeting.
- The project will include a volume of approximately 485,000 cubic yards, all of which is eligible for FEMA cost-sharing due to hurricanes Matthew and Irma.
- In addition, the project includes the stockpiling of sand at Phipps Ocean Park to be later hauled to Reach 8 and Reach 9 (in the Town of South Palm Beach) for dune restoration.

- Once the dredging portion of the work has been awarded, the Town will solicit bids for the truck-hauling portion.
- The dredging work will most likely begin in November or December 2020 and be completed by March 1, 2021. The truck-hauling work for dune restoration would then be completed in March and April 2021.

Dune Planting

- Dune planting will be performed upon completion of all sand placement projects.
- With a limited schedule for construction due to sea turtle nesting season and a high volume of work to be completed, dune planting could be delayed until after sea turtle nesting season (November 1, 2021).

Reach 8

- During a meeting with the Corps in October 2019, the Corps anticipated that the EIS Record of Decision could be issued in January 2020.
- Although the ROD had yet to be issued prior to the SPB meeting in January 2020, Town staff had not received any indication that the ROD would not be issued in those coming weeks.
- Following the SPB meeting, the National Marine Fisheries Services (NMFS) requested additional documentation to review in preparation for their recommendation to the Corps.
- Correspondence between the Town's consultant, CPE, the NMFS, and the Corps has continued during the pandemic and as recently as September 2020.
- No ROD from the Corps will be issued until the NMFS provides their comments. The NMFS does not have a time clock for their response.
- Construction funds for the Town's preferred project are not included in the current Town Council adopted 10-year plan.
- Reach 8 Dune Restoration is to be constructed concurrently with the Phipps nourishment. Reach 8 Dune Restoration includes a volume on the order of approximately 20,000 cubic yards of sand.
- The dunes are to be restored to their condition prior to hurricanes Matthew and Irma.
- The Town continues to work with FEMA and the Florida Department of Emergency Management to secure federal cost-sharing consistent with Reach 8 dune losses from hurricane Dorian.

cc: Jay Boodheshwar, Deputy Town Manager
H. Paul Brazil, P.E., Director of Public Works
Patricia Strayer, P.E., Town Engineer

TOWN OF PALM BEACH

Information for Shore Protection Board Meeting on: January 23, 2020

TO: Shore Protection Board

FROM: Kirk W. Blouin, Town Manager

VIA: Robert Weber, Coastal Program Manager

RE: Mid-Town, Recent and Upcoming Projects and Activities
Item IX.

DATE: September 28, 2020

STAFF RECOMMENDATION

Town staff requests the Shore Protection Board (SPB) review the attached information and provide any additional input deemed necessary.

GENERAL INFORMATION

Listed below is a brief update of the recently completed and ongoing activities within the Mid-Town Beach Nourishment Project area in Reaches 3 and 4. Town staff will provide more details of each item during the SPB meeting.

Construction of the 2020 Mid-Town Beach Nourishment

- Construction started on March 16, 2020 and was completed on May 1, 2020.
- Three (3) hopper dredges were used to transport sand from an offshore borrow area north of the Lake Worth Inlet.
- 839,000 cubic yards of sand was placed between Casa Bendita and Banyan Road.
- The project cost of \$22.9 million was cost shared at 50.3% Federal and 49.7% Non-Federal.

Future South Extension of Mid-Town Beach Nourishment Project Area

- U.S. Congress Public Law 115-123, the Bipartisan Budget Act of 2018, awarded \$25 million for the Mid-Town segment of the Palm Beach County Federal Shore Protection Project.
- The southern limit of the approved Federal project extend from the current southerly limit of Mid-Town near Banyan Road (FDEP R-102) to south of Woodbridge Road in the vicinity of FDEP R-106.
- The southerly extension could not be constructed in 2020 for several reasons:
 - There is no Erosion Control Line (ECL)
 - There is no regulatory authorization
 - No easements
- The Town met with the Corps staff at FSBPA in September to review the steps for constructing the southerly extension of Mid-Town.
 - Have a Mean High Water Line Survey performed and proceed with establishing an ECL
 - Once an ECL is established, secure easements from private property owners

- o Have the southerly extension added into the Beach Management Agreement (BMA) to serve as the State permit and Water Quality Certification. The FDEP BMA annual meeting is being scheduled for December 2020.
- The Corps is exploring options to potentially construct the southerly extension once all Town obligations are met and not wait until the next planned renourishment in 6 to 8 years.

Mid-Town Seawall Replacement Design and Permitting

- The seawall along the Mid-Town Municipal Beach, between Royal Palm Way and Gulfstream Road, is in need of replacement.
- GHD, Inc. has been awarded a contract in the amount of \$659,522 to perform design, permitting, bid document preparation, contractor evaluation, administrative, and construction phase professional services.
- State regulatory authorization is expected in September 2021.
- The Town annually accumulates appropriations to fund construction at a date to be determined by Town Council once all regulatory authorizations have been received.

2021 Dune Restoration in Reaches 3 and 4

- The Phipps Ocean Park Beach Nourishment Project includes a stockpile of 85,000 cubic yards of sand to be truck-hauled to dune restoration areas throughout the Town and the Town of South Palm Beach.
- Dunes are to be reconstructed throughout the Mid-Town project area that were impacted by the various hurricanes during the past few years.
- The focused area is between Casa Bendita and Sunset Avenue in Reach 3 and between Royal Palm Way and Banyan Road in Reach 4.
- The dredging work will most likely begin in November or December 2020 and be completed by March 1, 2021. The truck-hauling work for dune restoration would then be completed in March and April 2021.

The Breakers/Clarke Avenue/Mid-Town Shoreline Stabilization Project

- During the pandemic, Town staff has continued to correspond with FDEP staff regarding their pending recommendation to the Town following completion of the Technical Advisory Committee last year.
- Once the Town has received the FDEP document, Town staff will forward to the SPB members for consideration at the next scheduled meeting.

cc: Jay Boodheshwar, Deputy Town Manager
 H. Paul Brazil, P.E., Director of Public Works
 Patricia Strayer, P.E., Town Engineer

TOWN OF PALM BEACH

Information for Shore Protection Board Meeting on: October 1, 2020

TO: Shore Protection Board

FROM: Kirk W. Blouin, Town Manager

VIA: Robert Weber, Coastal Program Manager

RE: Scheduling of Future Meetings
Item X.

DATE: September 28, 2020

STAFF RECOMMENDATION

Town staff requests that the Shore Protection Board (SPB) consider scheduling of future meetings for both the remainder of 2020 and the 2021 calendar year.

GENERAL INFORMATION

The Town Manager's office looked at opportunities to minimize staff time and operation costs by reducing the number of board and commission meetings. In 2018, it was suggested that Town Council limit the frequency of the SPB meetings to occur on an as-needed basis. It was the consensus of Town Council to allow the Town Manager to work with the SPB to determine the frequency of the meetings.

The 2019 schedule included SPB meetings in January, April, and November to address specific yearly milestones to be achieved by the board. The plans for 2020 were to continue a similar meeting schedule, however, due to the pandemic, the only meeting that was held in 2020 to date was in January. Town staff suggests that the board return to a similar schedule and suggests the following SPB meeting dates for 2021:

- January 21, 2021 – Establish Annual Goals and Review Annual Sediment Budget
- April 22, 2021 – Recommend FY 2022 Coastal Management Program Budget
- November 18, 2021 – Develop Annual Report to Town Council

The next and final SPB meeting of 2020 was previously scheduled for November 19, 2020. Chairperson Ecclestone has requested that the meeting be moved up to November 12, 2020 or pushed back to December 3, 2020. The purpose of this meeting will be to develop and recommend the annual report to Town Council. The Chairperson is to provide the annual report to Town Council at their December 8, 2020 meeting, therefore, staff recommends the meeting take place on November 12, 2020.

cc: Jay Boodheshwar, Deputy Town Manager
H. Paul Brazil, P.E., Director of Public Works
Patricia Strayer, P.E., Town Engineer