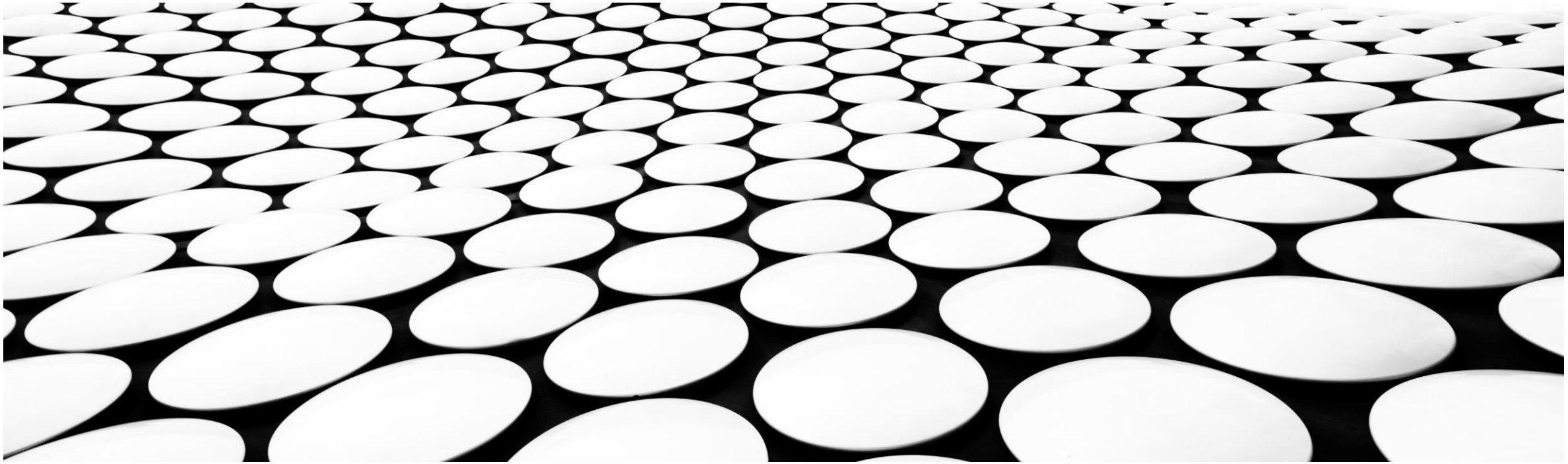
STATUS OF EFFORTS & PROJECTS TO SIGNIFICANTLY REDUCE BAYFRONT TIDAL FLOODING IN SEASIDE PARK

INFORMATIONAL UPDATE JULY 21, 2021



CONCERNS IN THE MINDS OF MANY SEASIDE PARK RESIDENTS
YES, TIME HAS MOVED FORWARD SINCE OUR LAST PUBLIC FORUM

We Heard You !!!!!

- For defined FEMA project area (between J Street and Island Avenue):
  - Avoid use of a 5 foot hardscape walls to dissipate wind/storm related wave action
  - Maintain access to bay
  - Maintain current width and character of Bayview Avenue
  - Address both storm and nuisance (tidal related) flooding
  - Utilize available grants, partnerships and funding
- For the Bayview Avenue south of project area to borough's end:
  - Don't ignore the hundreds of residents in this area
  - Assess flooding issues and develop a mitigation recommendation
    - Address both nuisance and storm related flooding
- Review the above with experienced Coastal engineering professionals

ACTIONS SINCE LAST PUBLIC FORUM

- Contracted with experienced Coastal Consultants
  - Dr. Stuart Farrell (Stockton University) with appropriate supporting staff
  - Captain Alex Modjeski with American Littoral Society (along with support staff)
  - Mayor Peterson formed Citizens Advisory Committee
    - Residents with both relevant knowledge and experience, focused on residents needs
      - Chuck Appleby (chair). Michael Guiliano, Sherry Villano, Frank Gibbons, Mitch Koppelman, Rob Mulloy
- Coordinated with RVE (project lead), Borough's professional engineers; Team lead; Pamela Hilla PE
- Developed a plan to address project's objectives, consistent with residents needs and desires
- Interacted with appropriate Governmental sponsors and appropriate approval agencies, as well as FEMA, to assess feasibility of revised project design

KEY COMPONENTS OF CURRENT REVISED PROJECT SCOPE

- No additional hardscape to be added to current bulkhead
- Wave Dissipation resulting from Oyster reef, berms/dunes construction
- Living shoreline from wave dissipation components to current bulkhead
- Plantings (vegetation) and sand to be supplied as part of initial project and then maintained by borough
  - Living shoreline to have restricted access to allow shoreline to flourish and continue to develop
- Water access planned at either end and elsewhere (if possible) along the living shoreline
- Current width and character of Bayview Avenue to remain
- Installation of flex control valves on outfalls, catch basins brought up to desired standards and appropriate extension of drainage outfalls where needed and allowed
  - To prevent tidal backflow through drain pipes (technology validated at several installations)
  - Designed with the assumption that future road elevation projects may occur

WHY DO WE THINK A LIVING SHORELINE AND OYSTER REEF APPROACH WILL BE ALLOWED THIS TIME AROUND?

- A lot of pre-submission vetting of design elements coordinated and supported by experienced personnel
- Many examples, both within and outside of New Jersey, are installed (successfully so far) or are being constructed or developed (e.g. Forked River)
- More open, environmentally conscious State governmental agencies

WHAT'S NEXT IN THIS PROCESS?

- Comments and input from Borough residents
- Continue to secure letters of support from relevant Federal and State agencies

  RVE to take lead in permit, planning, awarding and oversight of project construction
- Submission of permit applications and revised project scope to appropriate state agencies
- Maintain progression along a time sensitive critical path
- Gain project scope approval w/o significant scope modifications
- Prepare final plans and bid packages
- Secure partnership/funding agreements with supportive agencies such as Ocean County
- Award project contracts and begin construction, likely over two years due to seasonal construction restrictions and minimize impact to summer activities

SO WHAT ABOUT THE FLOODING CONCERNS ON BAYVIEW AVENUE SOUTH OF PROJECT AREA?

- Borough council supports a timely solution to this continuing concern!
- Citizens committee has recommended that regularly occurring nuisance/tidal flooding, can be reduced or eliminated through several steps:
  - Bring catch basins up to desired leak-free standards and install tide flex backflow valves at appropriate positions
    - Ocean County (OC) Engineering concurs that this should reduce flooding and county maintenance
    - OC willing to partner with the borough to move forward
    - OC has applied for federal grant money for this concept which could include the raising of Bayview Avenue (and curbing) to address not only nuisance flooding but storm related flooding (not yet designed).
- Seaside Park will continue to apply for additional grants to (one by one) raise the height, crowning and curbing of Bayfront side streets, such as “G” street and 12th Street and working in concert with this project’s plan.
- Citizens committee to continue to meet to asses options for wave dissipation concepts for this additional area to reduce storm/wind related flooding

WHAT ADDITIONAL INFORMATION CAN WE SHARE?

- Representatives from Stockton University and the American Littoral Society will provide informational and videos describing the design, construction and historical successes of the oyster reef component of the project
- Similarly videos of examples of Living Shoreline construction can be shared
- The Citizens committee and Mayor and Council are hear to answer your questions as best as we can.

Thank you for your attention and patience in what we know has been a long process in getting us to where we are today!

For additional information or to express additional questions or concerns, please contact Chuck Appleby @ (732) 575-7028