



BOROUGH OF SEA BRIGHT

MONMOUTH COUNTY, NEW JERSEY

www.seabrightnj.org

BOROUGH OFFICES:
1167 OCEAN AVENUE
SEA BRIGHT, N.J. 07760
TEL: (732) 842-0099
FAX: (732) 741-8116

August 8, 2017

Re: Sea Bright & Monmouth Beach Seawall Repair and Construction Project
Borough of Sea Bright, Monmouth County, NJ
NJDEP DCE Project No. 4265-15

Dear Resident:

The NJDEP Division of Coastal Engineering (DCE) has partnered with the Borough of Sea Bright and Borough of Monmouth Beach to execute the upcoming Seawall Repair and Construction Project which will occur at various sections of the seawall throughout both municipalities. This project is intended to bolster the existing seawall and fill historic gaps to create a unified, contiguous shore protection structure throughout both towns which acts as the last line of defense from the Atlantic Ocean. The seawall is supplemented by the US Army Corps of Engineers' sacrificial beach berm constructed as part of their ongoing beach replenishment program. The construction of the wall will be funded by a cost-share between the Federal Emergency Management Agency (FEMA) and the State of New Jersey.

Background:

Originally constructed around the turn of the 20th century to protect the now-defunct Central Railroad, the existing stone seawall that runs throughout Sea Bright and Monmouth Beach parallel to Route 36 (Ocean Avenue) has been constructed and repaired in a piecemeal-like fashion over the last century leaving multiple gaps and structurally insufficient sections. These under-designed and poorly constructed sections of seawall, as well as existing gaps, resulted in severe storm surge inundation and property damage throughout both municipalities during Superstorm Sandy in October 2012. Immediately following the storm, FEMA and DCE conducted a damage assessment of the entire seawall to determine the areas in need of repair and mitigation. After reviewing all necessary documentation that was submitted by DCE, FEMA officially obligated the project in November 2015, which is cost-shared 90% FEMA and 10% State of NJ. There will be no cost to the municipalities for construction items within FEMA's approved scope of work.

Scope of Work:

The project scope in Sea Bright includes the following:

1. *North Beach:* Major reconstruction to elevate and match the existing seawall south of Land's End Condominiums up to the Route 36 bridge.
2. *Municipal Beach:* NEW stone seawall construction to fill the existing gap between Chapel Beach Club and the south end of the Municipal Parking Lot and major/minor reconstruction work from the south end of the Municipal Parking Lot down to Donovan's.
 - a. A vehicular crossover ramp will be constructed to allow authorized vehicles and pedestrians to crossover the new seawall at the north end of the Municipal Parking Lot.
3. *Tradewinds:* NEW stone seawall construction to fill the existing 20' wide gap which once served as beach access for the former Tradewinds Beach Club.
4. Minor grout and stone work at various other sections.

Schedule:

The contract for this project has been awarded to J. Fletcher Creamer & Son, Inc. (JFC). Work will begin in August 2017 and progress for approximately two years between both municipalities, with the contractor adhering to seasonal work restrictions in certain areas during this time. **The following schedule is PRELIMINARY and subject to change:**

1. *August 2017 – September 6, 2017:* Mobilize equipment at the main municipal parking lot and small-scale dewatering operations behind Borough Hall.
2. *September 6, 2017 – Spring 2018:* Full-scale seawall construction operations at North Beach and Municipal Beach.
3. Timetable for Tradewinds gap construction and other minor grout and stone work TBD.

What to Expect (Before Labor Day):

1. *Mobilization and Dewatering:* Contractor will mobilize equipment along the perimeter of the main municipal parking lot near the existing stone stockpile. In addition, dewatering tests may occur at the seawall behind Borough Hall.
2. *Reduced Workweek:* Prior to Labor Day the contractor will limit their workweek to Monday thru Thursday to minimize impact to the remainder of the summer season.
3. *Open Excavation:* The contractor will excavate an approximately 50' wide x 100' long trench confined to the beach abutting the seawall behind the Borough Hall parking lot. Well pumps will be installed in the sand within the trench to draw down the water table, and then test pits will be excavated within the trench to assess what the groundwater seepage conditions will be like during full-scale operation. **The pedestrian crossover behind Borough Hall will remain open during this time.** Pedestrians may be periodically stopped by a crossing guard to allow construction equipment to pass through. The excavation will be fenced off with construction fence. At least one of the beach volleyball courts may also need to be relocated as early as August 21.
4. *Pump Discharge into the Ocean:* The groundwater drawn up from the well pumps will be discharged into the ocean via a small pipeline that will run under the sand from the excavation out into the ocean. The pumps will run 24/7 and the discharge area will be marked appropriately with fencing and/or signs. The contractor does not anticipate the groundwater effluent disrupting bathing conditions adjacent to the discharge.
5. *Temporary Opening in Seawall:* A small opening will be cut through the seawall at the end of East Surf Street to allow construction equipment to access the excavation area without having to enter through the River Street Entrance to the north.

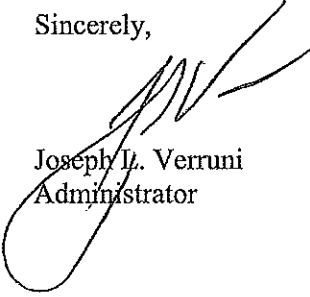
What to Expect (After Labor Day):

6. *Full-Scale Seawall Construction:* Starting as early as September 6, 2017 full-scale seawall construction operations will commence, which will entail stone and equipment staging on the beach, full excavation, and stonework on the seawall itself.
7. *Extended work hours:* Due to the sheer volume of work this project entails, the contractor may need to work extended hours and/or Saturdays during the fall and winter to ensure that construction is complete before the next summer season. Construction may begin as early as 6am.
8. *Construction staging area:* There will be two primary contractor staging areas: (1) Beach area east of the Municipal Parking Lot, and (2) Beach area east of the Route 36 pedestrian bridge in North Beach. At the completion of the project the staging area at the Municipal Beach Parking Lot will become additional municipal parking.
9. *Heavy truck traffic:* The entire project will require approximately 5,000 truckloads of stone to be trucked in via Route 36 over the course of the project duration. Offloading areas will be concentrated to the staging area east of the Route 36 pedestrian bridge in North Beach and the Municipal Beach parking lot staging area.
10. *Elevated noise levels:* Noise associated with heavy construction equipment and the handling of large stones.
11. *Beach access detours:* To ensure safety of the public, beach and seawall access in certain areas will need to be temporarily closed and rerouted to either the north or south of the active work zone.
12. *Progressing construction zone:* The contractor will delineate an area of beach to work in with construction fence and progress the fence with the work zone, similar to the beach nourishment projects.
13. *Construction vehicles driving up and down the beach:* Construction vehicles will need to access the beach from the Municipal Parking Lot in order to transport materials and equipment to the active work zone. Heavy machinery driving outside of a delineated construction zone will be accompanied by an escort.

14. *Large excavation areas:* In order to fortify the seawall in many areas the beach on the seaward side of the wall will need to be excavated nearly 20 feet below grade to install additional armoring stone to prevent scour during future storms. Due to the nature of excavating in a beach environment the excavations may extend upwards of 80 feet wide towards the ocean that will be fenced off from the public during construction as part of the work zone.
15. *Vibratory monitoring:* The contractor will be required to monitor the effects of construction operations on adjacent structures with seismic monitoring equipment. Pre- and post-construction photo-documentation surveys will be conducted by a third party at all homes and structures determined to be within the limit of possible vibratory effects from construction operations. Impacted property owners will be contacted by the third party to schedule photo-documentation surveys before and after construction. It is the homeowners' prerogative to permit an internal pre- and post-construction survey of their dwelling. Regardless, the structure monitoring firm will conduct external pre- and post-construction surveys at minimum. Any claims of damage from the contractor's operations will be investigated and evaluated for legitimacy by the contractor or contractor's representative.

If you have any questions or would like additional information please contact the Project Manager, Erick Doyle, at (732) 255-0767 or Erick.doyle@dep.nj.gov.

Sincerely,



Joseph L. Verruni
Administrator

cc: Dina Long, Mayor, Borough of Sea Bright
Joe Verruni, Business Administrator, Borough of Sea Bright
William Dixon, Director, DCE
Erick Doyle, Acting Bureau Chief, DCE
Rob VonBriel, Resident Engineer, DCE
Fran Mullan, Borough Engineer, T&M Associates