

**Contract No. W912BU-17-C-0004**

**Beach Nourishment and Completion of Initial Construction, Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island, Atlantic County, New Jersey**

**Pre-Construction Conference Meeting Minutes**

Time and date: 10:00 AM to 12:00 PM, 2/23/17

Place: Longport Borough Hall, 2305 Atlantic Avenue, Longport, NJ 08403

**I. Introduction and General Outlines of Conference**

1. Attendees –

<i>Christian Bickings</i>	<i>USACE Resident Engineer</i>	<i>609-569-0135</i>	<i>christian.j.bickings@usace.army.mil</i>
<i>Bill Cosenza</i>	<i>USACE QA Rep.</i>	<i>215-313-1162</i>	<i>william.d.cosenza@usace.army.mil</i>
<i>Dan DePasquale</i>	<i>USACE Project Engineer</i>	<i>215-687-9031</i>	<i>daniel.j.depasquale@usace.army.mil</i>
<i>Eric Rourke</i>	<i>USACE Project Manager</i>	<i>609-352-5349</i>	<i>erik.j.rourke@usace.army.mil</i>
<i>Derek Burleigh</i>	<i>USACE Design Engineer</i>	<i>215-656-6485</i>	<i>derek.t.burleigh@usace.army.mil</i>
<i>Charles Nicholas</i>	<i>USACE QA Rep.</i>	<i>215-656-6866</i>	<i>charles.l.nicholas@usace.army.mil</i>
<i>George Follet</i>	<i>USACE OESS (MEC)</i>	<i>410-322-8395</i>	<i>george.c.follett@usace.army.mil</i>
<i>Christine Clapp</i>	<i>USACE Chief of Construction</i>	<i>215-656-6643</i>	<i>christine.d.klapp@usace.army.mil</i>
<i>Keith Watson</i>	<i>USACE Project Engineer</i>	<i>215-656-6287</i>	<i>keith.d.watson@usace.army.mil</i>
<i>Phil Frecon</i>	<i>USACE Surveys</i>	<i>609-374-0250</i>	<i>philip.r.frecon@usace.army.mil</i>
<i>Bob Giovannetti</i>	<i>NJDEP Construction Rep.</i>	<i>609-577-8605</i>	<i>robert.giovannetti@dep.nj.gov</i>
<i>Bill Dixon</i>	<i>NJDEP Director</i>	<i>732-255-0890</i>	<i>william.dixon@dep.nj.gov</i>
<i>Jenna Scott</i>	<i>NJDEP Project Manager</i>	<i>609-432-8299</i>	<i>jenna.scott@dep.nj.gov</i>
<i>Dave Rosenblatt</i>	<i>NJDEP Asst. Commissioner</i>	<i>609-292-9236</i>	
<i>Joe Mazzarella</i>	<i>WMI Operations Manager</i>	<i>985-273-1152</i>	<i>jmmazzarella@weeksmarine.com</i>
<i>Rich James</i>	<i>WMI QC Manager</i>	<i>985-237-5025</i>	<i>rvjames@weeksmarine.com</i>
<i>Doug Nelson</i>	<i>WMI Project Manager</i>	<i>985-237-9667</i>	<i>denelson@weeksmarine.com</i>
<i>Chuck Broussard</i>	<i>WMI Vice President</i>	<i>985-273-1152</i>	<i>crbroussard@weeksmarine.com</i>
<i>Chris Champigny</i>	<i>WMI</i>	<i>908-803-0163</i>	<i>cjchampigny@weeksmarine.com</i>
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<i>David Southard</i>	<i>Walters Marine</i>	<i>609-408-4909</i>	<i>dave@waltersmarineconstruction.com</i>
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<i>Jason Freeman</i>	<i>ER&amp;M</i>	<i>410-365-3200</i>	<i>jfreeman@er-m.com</i>

<i>Bob Dilullo</i>	<i>Seismic Surveys</i>	<i>301-663-6630</i>	<i>bdilullo@seismicsurveys.net</i>
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<i>David Miller</i>	<i>Seismic Surveys Principal</i>	<i>301-418-5022</i>	<i>dmiller@seismicsurveys.net</i>
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<i>Nancy Egrie</i>	<i>Atlantic City Risk Manager</i>	<i>609-347-5531</i>	<i>negrie@cityofatlanticcity.org</i>
<i>Ernest Gratz</i>	<i>Ventnor City Superintendent</i>	<i>609-823-7935</i>	<i>egratz1@ventnorcity.org</i>
<i>Charles Sabatini</i>	<i>Ventnor City Engineer</i>	<i>609-437-2311</i>	<i>csabatini@ventnorcity.org</i>
<i>David P. Smith</i>	<i>Ventnor City DPW Supt.</i>	<i>609-823-7935</i>	<i>dmith@ventnorcity.org</i>
<i>John Amodeo</i>	<i>Margate Commissioner</i>	<i>609-513-3114</i>	
<i>Michael Becker</i>	<i>Margate Mayor</i>	<i>609-822-0424</i>	
<i>Frank Ricciotti</i>	<i>Margate DPW</i>	<i>609-822-5038</i>	
<i>Ed Walberg</i>	<i>Margate Engineer</i>	<i>609-680-8800</i>	<i>ed.walberg@rve.com</i>
<i>Anthony Tabasso</i>	<i>Margate Fire/Beach Patrol</i>	<i>609-517-7988</i>	<i>tabasso_anthony@margate-nj.com</i>
<i>Dan Lawler</i>	<i>Longport Commissioner</i>	<i>609-226-9587</i>	<i>comrevfinance@longport-nj.us</i>
<i>Bill Trinkle</i>	<i>Longport DPW Supervisor</i>	<i>609-226-4294</i>	<i>pwsupervisor@longport-nj.us</i>
<i>Daniel E. Adams</i>	<i>Longport Beach Patrol Chief</i>	<i>609-517-1033</i>	<i>beachpatrolchief@longport-nj.us</i>
<i>Frank Culmone</i>	<i>Longport Police Chief</i>	<i>609-822-0642</i>	<i>culmone-frankl@longportpd.org</i>
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<i>Nicholas Russo</i>	<i>Longport Mayor</i>	<i>609-823-2731</i>	<i>mayor@longport-nj.us</i>
<i>Richard Carter</i>	<i>Longport Engineer</i>	<i>609-823-2731</i>	<i>Engineer@longport-nj.us</i>
<i>Ian Jerome</i>	<i>Jerome Associates</i>	<i>609-646-6300</i>	<i>Ijerome@comcast.net</i>

2. Outline of conference and purposes – The pre-construction conference is to summarize the project, introduce personnel administering the project and discuss anticipated construction issues before the project begins.

- ***Resident Engineer Christian Bickings introduces the project states and summarizes the project stating that this is the preconstruction conference for the Absecon Island Nourishment and Initial Beachfill project. It's the 3<sup>rd</sup> nourishment cycle for Atlantic City and Ventnor and the first/initial beachfill project for Margate and Longport. Project consists of the following in four distinct areas:***
  - ***Atlantic City – 1,200,000 CY from Oriental Ave jetty (Sta. 0+00) to the Jackson Ave AC/Ventnor border (Sta. 180+14), a 3.4 mile stretch***
  - ***Ventnor – 325,000 CY from the Jackson Ave AC/Ventnor border (Sta. 180+14) to the Fredericksburg Ave Ventnor/Margate border (Sta. 267+57), a 1.7 mile stretch***

- *Margate– 1,150,000 CY from the Fredericksburg Ave Ventnor/Margate border (Sta. 267+57) to the Margate /Longport border between Coolidge and 36th Ave (Sta. 354+48), a 1.7 mile stretch*
  - *Longport – 1,150,000 CY from the Margate /Longport border between Coolidge and 36th Ave (Sta. 354+48) to the 11th Ave terminal groin (Sta. 430+20), a 1.4 mile stretch.*
  - *Beachfill consists of a dune and a beach berm (flat part of the beach). The design specifics are as follows: Dune el +14.75 in Atlantic City, el +12.75 in Ventnor, Margate and Longport. Berm el +7.25, berm slope to existing ground is a 18:1 slope in Atlantic City and 25:1 slope in Ventnor, Margate and Longport.*
  - *Atlantic City sand will be supplied by two hydraulic cutter head dredges (working consecutively, not simultaneously) from the project’s designated Absecon Inlet borrow areas (channel BA, BA A, BA B). Ventnor, Margate and Longport sand will be supplied by two hopper dredges working in tandem from the project’s designed offshore borrow area (Borrow Area H1, H3 then H2).*
  - *Ancillary work consists first of outfall extensions (Atlantic City – 81 LF at NJ Ave, 54 LF at Virginia Ave, 90 LF at Mansion Ave, 144 LF at St James Ave and 54 LF at Dr. MLK Blvd; Margate – 432 LF at Monroe Ave; Longport – 216 LF at Monroe Ave and 252 LF at Manor Ave).*
  - *Ancillary work also consists of pedestrian, vehicular and ADA dune crossovers, split rail fence, post and rail fence, sand fence, dune grass planting and grading of existing sand piles in the project footprint.*
- *The Army Corps has issued a contract for all work to Weeks Marine who is the prime contractor responsible for all construction activities. The anticipated Weeks’ hydraulic cutter head dredges are the CR McCaskill and the RS Weeks. The anticipated Weeks’ hopper dredges are the RN Weeks and the BE Lindholm.*
  - *The Army Corps is responsible for the administration of the contract and management of the construction work. The New Jersey DEP is involved as the project sponsor, liaison with all local municipalities and part of the inspection process. Atlantic City, Ventnor, Margate and Longport are the customers.*
  - *Overall purpose of this preconstruction conference is to discuss significant elements of the project to ensure all parties fully understand what is expected and what to expect.*
  - *The Government’s goal is to clarify contract requirements and obligations to avoid potential problems and to acquaint all with our policies and procedures to be observed during the work activities.*
  - *At the end of the meeting, the full scope and conditions of the construction work should be reached with a mutual understanding of how it will be accomplished in a partnership relationship.*

### 3. Organization –

#### A. USACE Chain of Command

- 1) District Commander – LTC Michael Bliss
- 2) Chief, Engineering and Construction Division – Peter Tranchik, P.E.
- 3) Chief, Construction Branch – Christine Clapp, P.E.
- 4) Project Manager – Keith Watson, P.E.
- 5) Resident Engineer – Christian Bickings, P.E.
- 6) Project Engineer – Daniel DePasquale, P.E.

7) QA Representative – William Cosenza

- ***Discussed USACE Philadelphia District Chain of Command. Issues will be settled at the lowest possible level in the Chain of Command.***

B. USACE Contract Authority

- 1) Contracting Officer – Gregory Keaton
- 2) Administrative Contracting Officer – Christian Bickings, P.E.
- 3) Contract Specialist – TBD
- 4) Contracting Officer’s Representative – Daniel DePasquale, P.E.

- ***Discussed individuals that have authority to modify the contract. Only the ACO (Christian Bickings) and the Contracting Officer (Gregory Keaton) have authority to make modifications to the contract. ACO has a warrant of \$500,000.***

C. Prime Contractor – Weeks Marine, Inc. (WMI)

- 1) Project Manager/Superintendent – Doug Nelson
- 2) Contractor Quality Control System Manager (CQCSM) – Robert Webb
- 3) Alternate CQCSM – David McNeill and Rich James
- 4) Project Engineer/Alt. CQCSM – Alberto Saavedra, Colleen Brazil, Levi Bradley, Matthew Estep and Zack Beldon
- 5) Dredge C.R. McCaskill Captains – Mark Hebert and Randy Guidry
- 6) Dredge R.S. Weeks Captains – Robert Guidroz and Robert Hill
- 7) Dredge R.N. Weeks Captains – Mike Attisani and Joseph Purcell
- 8) Dredge B.E. Lindholm Captains – Kent Hambrecht and George Arey
- 9) Site Safety and Health Officers (SSHOs) – Scott Olson and Victor Piourin
- 10) Alternate SSHOs – Rob Marino and Sam Cavazos
- II) Surveying Subcontractor – *Gahagan and Bryant***
- 12) Structures Monitoring Subcontractor – Seismic Surveys
- 13) Crossover, Fencing and Outfall Subcontractor – Walter’s Marine Construction
- 14) Dune Grass Subcontractor – ER&M

- ***Discussed Weeks Marine staff and Subcontractors.***

D. Others

- 1) New Jersey Department of Environmental Protection (NJDEP)
- 2) Atlantic City
- 3) Ventnor City
- 4) Margate City
- 5) Borough of Longport

- ***Discussed that all requests from each municipality shall first go to NJDEP and then NJDEP will contact USACE. Representatives from municipalities shall not direct requested changes to work/contract to USACE on-site employees. All requests must follow chain of command.***

4. Overview of project work plan –

- A. Dredges and pipeline landing locations
  - B. Direction of fill
- *Floating equipment for the project are the hydraulic cutter head dredges – CR McCaskill and RS Weeks (Flat bottom barge with no propulsion, uses anchors, chains, spuds and an idler barge to pull itself through the borrow area). Uses a spiral cutter head that spins and creates a sediment cloud. With huge dredge pumps the loosened material water slurry (70/30, water/sand) is pumped through an intake screen (1.25”x6” to keep discarded military munitions from entering the system) and sent via submerged and shore pipe to the beach.*
  - *Booster pumps is inline on the submerged line to help pump material.*
  - *Second floating equipment for the project are the hopper dredges – RN Weeks and BE Lindholm (Self-contained dredges with crew that lives onboard), moves to and from and through borrow area on own power. Intake is by drag arms that suck sand into the belly of the vessel, MEC intake screening device is 1.25” x 6”. Once filled, the dredge re-liquefies the sand and discharges it to the shore via cube-buoy connection and submerged pipeline.*
  - *Shore pipe makes landfall on the beach, shore pipeline (30 ft. sections of metal pipe pushed together).*
  - *At discharge end of shore pipe is another screening device (0.75” x 0.75” to keep smaller discarded military munitions from being deposited onto the beach).*
  - *WMI closes no more than 1,000 ft. of beach around the shore pipe discharge and builds the beach using conventional earthwork construction equipment to the designed template. Once a section is complete, WMI adds shore pipe and continues in that direction. WMI is paid by cubic yard of sand based on the sand volume calculated and confirmed to meet template between a before beachfill survey and after beachfill survey.*
  - *AC pipe landing is anticipated to be at sta. 9+50 (Seaside Ave.); direction of fill is south towards Jackson Ave (border between AC and Ventnor).*
  - *Longport pipe landing is anticipated to be at sta. 390+00 (24<sup>th</sup> Ave.), pump south to jetty and then flip north to Manner Ave. Second pipe landing is anticipated to be at sta. 360+00 (34<sup>th</sup> Ave.), pump south to Manner Ave. then flip north to Longport/Margate border (Coolidge Ave. /36<sup>th</sup> Ave.)*
  - *Margate landing is anticipated to be at sta. 294+00 (Haverford Ave.), pump south to Margate/Longport border than flip north to Margate/Ventnor border (Fredericksburg Ave.)*
  - *Ventnor landing is anticipated to be sta. 210+00 (Oxford Ave.), pump south to Ventnor/Margate border then flip north to Ventnor/AC border (Jackson Ave.)*

## II. Administrative Requirements

1. Commencement, Prosecution and Completion of Work (Section 00 70 00 – 20, 52.211-10 COMMENCEMENT, PROSECTION, AND COMPLETION OF WORK (APPR 1984))
  - A. Award – Base bid was awarded 11/23/16; current contract amount is \$63,325,255.00.
  - B. Notice to Proceed (NTP) – 12/22/16.
  - C. Construction Completion – Complete the entire work ready for use no later than 10/28/17 (310 days after NTP).

D. The only acceptable exception to the completion time, if necessary will be for dune grass planting and associated fertilizing, which shall be during the approved planting and fertilizing window. The beachgrass planting window is from 10/15 to 4/1. The spartina patens planting window is from 9/1 to 10/1 or from 3/1 to 5/31. First application of fertilizer shall be when plants break dormancy; second application shall be between 7/1 and 8/1.

2. Liquidated Damages (Section 00 70 00, pg. 20, 52.211-12 LIQUIDATED DAMAGES – CONSTRUCTION (SEP 200)) – \$5,100.00 for each calendar day of delay until the work is completed or accepted.

### III. Summary of Work

1. Description - The project consists of a base bid and 21 options. The base bid work involves the hydraulic placement of approximately 2,900,000 cubic yards of beachfill along the Atlantic Ocean coastline of Absecon Island, Atlantic County, NJ. The project area encompasses the municipalities of Atlantic City, Ventnor City, Margate City, and Longport Borough. Base bid beachfill volumes are as follows:

Atlantic City –	1,200,000 CY
Ventnor City –	325,000 CY
Margate City –	1,150,000 CY
Borough of Longport -	1,150,000 CY

Atlantic City has seven (7) beachfill options and are listed as follows: Option 1 - 25,000 CY; Option 2 – 50,000 CY; Option 3 – 75,000 CY; Option 4 – 125,000 CY; Option 5- 125,000 CY; Option 6 – 300,000 CY; Option 7 – 500,000 CY. Total Atlantic City Option Volume = 1,200,000 CY.

Ventnor City has six (6) beachfill options and are listed as follows: Option 8 - 10,000 CY; Option 9 – 25,000 CY; Option 10 – 50,000 CY; Option 11 – 65,000 CY; Option 12- 100,000 CY; Option 13 – 150,000 CY. Total Ventnor City Option Volume = 400,000 CY.

Margate City has four (4) beachfill options and are listed as follows: Option 14 - 25,000 CY; Option 15 – 50,000 CY; Option 16 – 75,000 CY; Option 17 – 250,000 CY. Total Margate Option Volume – 400,000 CY.

The Borough of Longport has four (4) beachfill options and are listed as follows: Option 18 - 25,000 CY; Option 19 – 50,000 CY; Option 20 – 75,000 CY; Option 21 – 250,000 CY. Total Borough of Longport Option Volume – 400,000 CY.

- ***Options will be awarded after pre-placement condition surveys.***

Pre-placement condition surveys, as specified in Section 01 71 23 SURVEY REQUIREMENTS, will determine the exact location and quantity of beachfill material required within the limits indicated, and will be a determining factor in the award of options for additional quantities of beachfill. Where options for additional beachfill are awarded, the additional beachfill material shall be placed immediately after the initial base bid quantity has been placed in the area(s) to be covered by the awarded option. The intent is to complete the beachfill template in a given base-plus-option area, before proceeding with work further along the construction baseline.

The base bid also includes the repair or extension of existing stormwater outfalls and drainage structures including pipe support systems; the construction or repair of pedestrian, vehicle, and ADA accessible dune crossovers; planting dune grass; removal of damaged sand fence and posts; providing new sand fence, split rail fence, and post and rail fence; and the relocation of various existing structures to accommodate the new beachfill and dunes. All beachfill work shall also include the requirements for structures monitoring.

The beachfill material for this contract must come from the Absecon Inlet and Area H Borrow Areas, as shown on the plan sheets. Beachfill material from any other source, including trucking from upland sources, will not be considered under this contract.

2. Sequencing and Scheduling – Reasonable public access to the beach must be provided during the course of construction of the project. Typically, portions of areas receiving beachfill are not accessible to the public until the completion of dune crossovers. In order to ensure reasonable public access, complete each crossover not later than 14 calendar days after completion of beachfill in each area of a crossover. The Contracting Officer reserves the right to temporarily stop beachfill operations if the completion of dune crossovers exceeds this time period, at no additional cost to the Government. Any street lane closures shall be coordinated with the COR, the local Fire Department, and the local Police Department a minimum of 7 calendar days prior to the needed closure. Any additional costs associated with such closures, shall be at no additional cost to the Government.
3. Work Hours – The Contractor may work 24 hours per day, 7 days per week, to complete the contract work. However, the Contractor shall be required to comply with local codes regarding noise at all times during the contract period. The Contractor shall be required to equip his land-based equipment with noise suppression equipment if so directed by the COR.
  - ***Contractor beachfill operations will be performed 24 hours a day, 7 days a week. Crossover work is currently scheduled to be performed Monday through Friday during daylight hours. Outfall work may occur during weekends due to tides and ability to construct while beach platform is present.***
4. Munitions and Explosives of Concern (MEC) Construction Support – Involves safety support and avoidance of potential unexploded ordnance, exploded ordnance, inert ordnance and ordnance fragments and similar explosives debris material within the dredging prism of the borrow area during performance of dredging activity. WMI to provide Unexploded Ordinance Technician (UXOT)/UXO Qualified Personnel (UXOQP) to conduct MEC removal from placed material in the event of a discharge screen failure.
  - ***Discussion ensued regarding contact between Atlantic City Bomb Squad and USACE. George Follet from USACE stated that he would contact the AC Bomb Squad before the project commences to discuss coordination.***
5. Staging Areas and Material Storage Areas (Section 01 50 00, pg. 7, 3.5.2) – Staging areas and material storage areas are limited to those shown on the contract drawings. (Atlantic City’s designated staging area is a portion of the ocean front lot between Albany and Roosevelt Avenues; Ventnor City’s is the volleyball court area at Suffolk Avenue; Margate City’s is the lot behind its library on Granville Avenue; Longport Borough’s is the area behind the gazebo at 35<sup>th</sup> Avenue and the beach area between 16<sup>th</sup> and 15<sup>th</sup> Avenues.) Provide security fence as specified herein. Trailers, equipment, or materials must not be open to public view with the exception of those items which are in support of ongoing work on any given day. Park mobile equipment, such as tractors, wheeled

lifting equipment, cranes, trucks, and like equipment within the fenced area at the end of each work day.

- ***Staging area and material storage area in Atlantic City is not available due to current construction. NJDEP and Atlantic City will discuss new staging area and report back to USACE/WMI.***

6. Worksite Access – Access to the work areas is available only in the locations indicated on the drawings. (Contractor work area access in Atlantic City is New Hampshire, Arkansas and Albany Avenues; Ventnor City's is Suffolk Avenue; Margate City's is Delvan and Granville Avenues; Longport Borough's is 35<sup>th</sup>, 16<sup>th</sup> and 11<sup>th</sup> Avenues.) Any transfer of material and personnel from land to water or water to land, shall not occur along the Bayside within the Longport Borough limits. Any land materials shall be confined to Atlantic Avenue from Margate. Any material deliveries coming across the Longport Bridge from Egg Harbor Township shall only utilize 28<sup>th</sup> or 29<sup>th</sup> Avenues to access Atlantic Avenue. Access to the approved borrow area(s) is by water only.

- ***16<sup>th</sup> Street access in Longport is not available unless contractor removes bulkhead. WMI will determine their anticipated plan of action regarding worksite access in each municipality.***

7. Truck Transportation Route and Traffic Safety Control – Contractor to explain proposed routes and proposed traffic safety controls.

8. Project and Safety Signs (Spec. Section 01 50 00, pg. 4, 2.2.2) – Provide and erect at locations designated by the Contracting Officer, the project identification and safety performance signs shown on the sketches attached to this section. The Contractor shall include "The State of New Jersey" and the "NJDEP Bureau of Coastal Engineering" as the project sponsors. In addition, the Contractor shall include the Philadelphia District's website address on the project sign. A shop drawing of the Project and Safety Sign graphics and materials shall be submitted for review before fabrication. Erect signs within 15 days after receipt of the notice to proceed. Correct the data required by the safety sign daily, with light colored metallic or non-metallic numerals.

- ***The Contractor's safety signs will be located on the Contractor's dump shack and move with the project as construction progresses. Since there will be two sites, two sets of signs will be required.***
- ***Beach security is anticipated to be placed at each work site. One is required by contract but WMI may employ additional depending on time of year.***
- ***Ramps shall be constructed over beachfill pipe for pedestrians.***

9. Coast Guard Notifications – Discuss Notice to Mariners, Request to Move Navigation Aids, Request to Place Submerged Pipelines across Channel and general United States Coast Guard (USCG), USACE and Contractor procedures in a shipping channel (Section 00 73 00, pg. 2-3, 1.1). Please note that all communications between WMI, USCG and USACE shall be documented and communicated to other parties as applicable.

10. Local regulations – Discuss local chain of command, parking issues, police issues, beach patrol issues and other local concerns.

- ***The NJDEP will prepare a list of contacts for each municipality for police, beach patrol, engineer's office and administration. It was discussed that Margate does not have parking on***



*the beach block and contractor's employees may need to be shuttled to work site. It was decided that these issues would be discussed at weekly progress meetings as work gets closer to each municipality.*

#### **IV. Schedule of Work (based on WMI's initial schedule dated 2/16/17)**

1. Atlantic City
  - A. 3/11/17 – 4/9/17: mobilize equipment/hydraulic dredge
  - B. 3/20/17 – 4/9/17: pre-placement condition and borrow area BD surveys
  - C. 4/10/17 – 6/28/17: beachfill operations
  - D. 6/29/17 – 7/5/17: post placement condition surveys
  - E. 7/06/17 – 7/12/17: demobilize equipment/dredge
  
2. Borough of Longport
  - A. 3/24/17 – 4/13/17: pre-placement condition surveys
  - B. 3/31/17 – 4/13/17: mobilize equipment, hopper dredges and booster
  - C. 4/14/17 – 6/22/17: beachfill operations
  - D. 6/23/17 – 6/29/17: post placement condition surveys
  - E. 6/23/17 – 6/29/17: demobilize equipment/dredge
  
3. Margate City
  - A. 6/02/17 – 6/22/17: pre-placement condition surveys
  - B. 6/15/17 – 6/19/17: setup pipeline and booster
  - C. 6/23/17 – 8/31/17: beachfill operations
  - D. 9/1/17 – 9/7/17: post placement condition surveys
  - E. 9/1/17 – 9/7/17: demobilize equipment/dredge
  - *It was discussed that Margate has July 4<sup>th</sup> fireworks scheduled and USACE/WMI would make efforts to accommodate. This would be discussed at the weekly progress meetings leading up to the July 4<sup>th</sup> holiday.*
  - *Another Margate issue is the current beach patrol building elevation issue and location after dune is constructed. It is anticipated that the beach patrol building will have to be moved in front of the proposed dune. Discussions will ensue between Margate and NJDEP and eventually to USACE.*
  
4. Ventnor City
  - A. 8/11/17 – 8/31/17: pre-placement condition surveys
  - B. 8/25/17 – 8/29/17: setup pipeline and booster
  - C. 9/1/17 – 10/5/17: beachfill operations
  - D. 10/6/17 – 10/12/17: post placement condition surveys
  - E. 10/6/17 – 10/28/17: demobilize equipment/dredge
  
5. Subcontractor Work
  - A. 3/1/17 – 10/28/17: structures monitoring

- B. 4/10/17 – 10/28/17: sand fence, split rail fence, crossover construction, stormwater outfall pipe extension, dune grass planting and stabilization mats
- *Subcontractor anticipates having 2 crossover crews, 2 outfall crews and possibly a sand fence crew. They indicated they will ramp up staff as required to stay on schedule.*
  - *Subcontractor must submit all required submittals such as safety AHA's, work plans, material shop drawings and all else to proceed with work in a timely manner.*

## V. Safety

1. Safety and Health Requirements Manual – EM 385-1-1
2. Specification Section 01 35 26 – Governmental Safety Requirements
3. Accident Prevention (FAR 52.236-13)
4. Cleaning Up (FAR 52. 236-12)
5. Pre-Construction Safety Meeting – TBD. Actual construction work (survey, mobilization, etc.) cannot commence until safety submittals are approved and Pre-Construction Safety Meeting is held.
  - *All required key players must be in attendance at these meetings. Representatives from municipalities are not required to be at this meeting.*

## VI. Quality Control System/Contractor Quality Control

1. Specification Section 01 45 00 – Contractor Quality Control
2. Specification Section 01 45 05 – Quality Control System (QCS) and Resident Management System (RMS)
3. Quality Control Coordination Meeting – TBD. Actual construction work (survey, mobilization, etc.) cannot commence until quality control submittals are approved and Pre-Construction Safety Meeting is held.
  - *All required key players must be in attendance at these meetings. Representatives from municipalities are not required to be at this meeting.*

## VII. Contract Clauses

1. Specifications and Drawings for Construction (FAR 52.236-21)
2. Changes and Modification Procedures (FAR 52.243-4)
  - *Only the Contracting Officer or Administrative Contracting Officer have the authority to make any changes to the contract or provide any direction to the Contractor.*

3. Progress Schedule
  - A. In accordance with FAR 52.236-15, Scheduled for Construction Contracts
  - B. Specification Section 01 32 01, Project Schedule
4. Differing Site Conditions (FAR 52.236-2)
5. Permits and Responsibilities (FAR 52.236-7)
6. Disputes (FAR 52.233-1)
7. Termination for Default (FAR 52.249-10)
8. Use and Possession Prior to Completion (FAR 52.236-11)
9. Materials and Workmanship (FAR 52.236-5)
10. Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements (FAR 52.236-9)
11. Contractor Performance Evaluations – Final, possible midpoint/interim evaluation
12. Shop Drawings and Submittal Procedures (01 33 00) – All submittals shall be addressed to the project COR and be submitted through RMS. Until a field office is established, the address is as follows:

U.S. Army Corps of Engineers Philadelphia District  
Coastal New Jersey Resident Engineer Office  
FAA Technical Center, Building 15  
Atlantic City International Airport, NJ 08405  
Attn: Mr. Daniel J. DePasquale, P.E.
13. Correspondence procedures – Correspondence shall also be addressed to the project COR at the same address above.
14. WMI Field Office Address – TBD
15. USACE Field Office Address – TBD
16. Required Meetings
  - A. Weekly Progress Meetings – Time, day of week and location to be determined.
    - ***Weekly progress meetings will be held on Thursdays at 10:00 AM at the USACE field office when location is determined.***
  - B. Preparatory, Initial and Follow-up meetings for all Definable Features of Work (DFOW).
  - C. Monthly Update Meeting
    - ***Monthly update meetings will be scheduled by NJDEP and Keith Watson of USACE.***

17. Layout of Work (FAR 52.236-17)
18. Buy American Act-Construction Materials (FAR 52.225-11)

### **VIII. Labor Relations**

1. Construction Wage Requirements (FAR 52.222-6 – Wage Rates)
2. Contractor Work Hours and Safety Standard Act (FAR 52.222-4)
3. Apprentices (FAR 52.222-9)
4. Payroll and Basic Records (FAR 52.222-8)
5. Compliance with Copeland Anti-Kickback Act (FAR 52.222-10)
6. Withholding Final Payment, Scheduling (Specification Section 01 78 39 para 3.4)
7. Contract Termination-Debarment (FAR 52.222-12)
8. Subcontractor Labor Standards (FAR 52.222-11)

### **IX. Contractor**

1. Responsible representative on jobsite
2. Safety
3. Quality Control
4. Authorities of representatives
  - ***Contractor is responsible for safety and Quality Control. USACE is responsible for Quality Assurance. It is the Contractor's responsibility to ensure the project is completed safely and a quality product is delivered.***

### **X. Additional Discussion Points**

1. Schedule and project work plan
2. Public safety
  - A. Contractor's dedicated public safety personnel (one at each closed beach area)
  - B. Local police/fire contacts
3. Beach closings (1,000' sections), SECTION 35 31 00, 1.7.1

- *Each site will a maximum 1,000' length of closed beach. Generally, contractor moves fencing first thing in the morning after the beachfill progresses overnight.*
4. Equipment/vehicles operating on open beaches.
    - *All vehicles and construction equipment shall follow safe speed limits when driving on beach.*
  5. Parking
    - *Separate conversations with each municipality shall take place at the weekly progress meetings before work starts in each town.*
  6. Access to beach over boardwalk and boardwalk vehicle permits
    - *Boardwalk crossing permits in Atlantic City will have to be obtained by WMI, subs, NJDEP and USACE. Application is online.*
  7. Grade stakes
    - *Grade stakes will be discussed at weekly progress meetings to keep track of any grade stake losses that occur during construction.*
  8. Dune elevations and height
    - A. Atlantic City – Top of dune elevation 14.75', berm elevation 7.25', height of dune 7.5'.
    - B. Ventnor, Margate and Longport – Top of dune elevation 12.75', berm elevation 7.25', height of dune 5.5'.
  9. Staging/storage areas
    - A. Exact locations and sizes on beach TBD by WMI
    - B. Security
    - C. Restoration
  10. Environmental protection
  11. Outfall drainage – Once beachfill operations come within 1,000 feet of an outfall, the Contractor shall establish, if necessary, and maintain drainage at that outfall until final demobilization of all dredging- and beachfill-related personnel and equipment is complete. Outfalls are as follows:
    - A. Atlantic City – New Jersey Ave., Virginia Ave (Steel Pier), Mansion Ave., St. James Place, MLK Blvd., Arkansas Ave., Mississippi Ave., Georgia Ave., California Ave., Boston Ave. and Roosevelt Ave.
    - B. Ventnor City – Jackson Ave.
    - C. Margate City – Monroe Ave.
    - D. Borough of Longport – 33<sup>rd</sup> Ave. and Manor Ave.

- ***Beachfill shall have 5 feet of sand cover over outfalls and groins for protection from vehicles and construction equipment on beach. Ramps shall also be constructed over beachfill pipe for pedestrians.***
- ***33<sup>rd</sup> Street in Longport outfall is a force main so it cannot be blocked when pumps turn on.***

12. Sand platform for outfall construction – Contractor’s responsibility

Section 06 13 33, PART 3 EXECUTION, “While the means and methods and sequence of construction under this contract are the responsibility of the Contractor, unless otherwise specified, it is assumed that the Contractor will install the outfall pipe supports and pipe in conjunction with the placement of the beachfill. Additional beachfill, sheet piling or other materials or methods required due to erosion after the placement of beachfill material shall be provided by the Contractor at no additional cost to the Government.”

13. Government Furnished Material (GFM) – GFM on this project includes outfall piping, cribbing, hardware and associated material required to construct outfalls not previously completed on the last USACE Absecon Island beachfill project. A list of material can be found in Section 01 11 00, SUMMARY OF WORK, page 4. Specifications state the following regarding GFM:

Section 01 11 00, paragraph 1.8 GOVERNMENT FURNISHED MATERIAL, “Pursuant to Contract Clause "FAR 52.245-2, Government Property (Fixed Price Contracts)", the Government will furnish the materials listed on the attached list for installation by the Contractor. If the Contractor damages any of the GFM during unloading or installation due to negligence, inefficiencies, accidents or poor workmanship, he shall be responsible for repairing or replacing the damaged material, as directed by the COR, at no additional cost to the Government. All replaced material shall be identical material as the GFM. Unused quantities of the GFM items shall become the property of the Government. See Section 33 40 00 STORMWATER OUTFALL PIPES for additional requirements.”

14. GFM Delivery Schedule – Specifications state the following regarding GFM Delivery Schedule:

Section 01 11 00, paragraph 1.8.1 Delivery Schedule, “The Contractor must coordinate pickup, transportation and delivery of the GFM with the COR. The GFM is securely stored at the FAA William J. Hughes Technical Center, Building 206 Salvage Yard, Pomona, New Jersey. The Contractor shall notify the COR, at least 2 weeks in advance of the need for any Government furnished material, to arrange for Contractor pickup, delivery, and unloading of the GFM.”

15. Homeowners/businesses concerns

16. Vibration monitoring and letters to owners

- ***Seismic Surveys explained their procedures and a description of the equipment that will be on site during construction.***

17. Severe weather issues

- ***Hydraulic dredges safe harbor is the Absecon Inlet. Hopper dredges would go offsite to New York Harbor area or Philadelphia area (Delaware River/Bay) in the event of inclement weather.***

18. Variations, substitutions or changes to contract

19. Surveys
  - A. Pre-placement survey range and timeline
  - B. 14 day BD/AD window
  - C. Landing pad survey
  - D. 25' topo/hydro overlap with 10 points each
  - E. Adjusted construction template (i.e. compensating slope) approved weekly by USACE and NFS at progress meetings.
  - ***NJDEP shall receive copy of surveys that are submitted for each pay application.***
20. Different beachfill sections
  - A. Atlantic City – slope 18:1
  - B. Ventnor City, Margate City and Borough of Longport – slope 25:1
21. Crossover scheduling – Crossovers are to be completed not later than 14 calendar days after completion of beachfill in each area of a crossover.
22. Borrow areas
23. Coordination with USCG