

ADDENDUM #2

Client: Town of Manchester-By-The Sea, MA
Project: Singing Beach Revetment/Harbor Street Seawall

Date of Addendum: December 14, 2020
Bid Due Date: December 21, 2020 @ 11:00am

Question #1

Item 17. Singing Beach Order of conditions states that “Equipment fuel storage and refueling and lubrication operations shall not be allowed on the site.” Equipment will likely need fueling daily or every other day. Will equipment need to be completely removed from the site for fueling or can there be a designated fueling area established?

Answer #1:

A proposed equipment fueling plan can be developed and provided to the conservation commission. No fueling will be allowed to take place on the seaward side of the seawall and/or revetment. A detailed fueling, spill prevention and response plan shall be submitted and approved by the Conservation Commission prior to the start of construction.

Question #2

Item 23. Singing Beach Special conditions states “All disturbed areas on the bank resulting from the revetment repair, shall be restored to its natural state with native beach vegetation (e.g. American Beach Grass, Beach Plum, Rosa virginiana)..... The Repair details on C-102 indicate loam and seed at top of slope. Should native planting be included in this project? Is so could quantities be provided?

Answer #2:

Repairs shall be completed in accordance with the details as shown on sheet C-102 of the Contract Drawings and replace in-kind with existing plantings prior to construction.

Question #3

Item 25.C requires stamped as-built plans by a PE or Land Surveyor. The Field Engineering Requirements in spec section 01 70 00 are crossed out and “not required for this project” Will this requirement be fulfilled by the owner or will it be the responsibility of the contractor? Will it be required for either the Singing Beach or Harbor Street Sites?

Answer #3

A stamped as-built drawing of the proposed repairs shall be provided by the Contractor for the seawall and revetment repairs.

Question #4

The Harbor Street Bridge has a posted weight limit not sufficient to support concrete or equipment deliveries. The only other access point is down a private road. Will use of the private road as the main access point for equipment and material deliveries be permitted?

Answer #4:

The Town will work directly with the residents of Boardman Avenue to allow for the primary access to the site be via the private way. It is required that all vehicles/equipment less than the posted weight limit utilize the Harbor Street access to the site.

Question #5

Will closure of the small section of road at the wall repair be permitted during working hours?

Answer #5:

It is anticipated that road closures are required to complete the work at this location. The Contractor is responsible for maintaining vehicular access to Boardman Avenue for the duration of the project. Any permanent work zones to be set-up during construction shall be submitted and approved prior to starting the work. Temporary road closures during work hours shall be permitted with a minimum of 48-hour notice to the abutters.

Question #6

Will Closure of the small section of road at the wall repair be permitted for the duration of the project as residents have access from both ends?

Answer #6:

See answer to Question #5.

Question #7

Will the contractor be allowed to utilize the signing beach parking lot for a laydown area?

Answer #7:

Yes, the Town will permit the Contractor to utilize a portion of the parking area for a laydown area. The laydown area shall be controlled by temporary fencing and erosion controls which will be required to be inspected and approved by conservation commission prior to the start of the work.

Question #8

Choke Revetment Stone Joints Detail on C-102 directs to contractor to "REARRANGE EXISTING REVETMENT STONE AS REQUIRED TO PRODUCE A COMPACT MASS. INSTALL REVETMENT STONE AS REQUIRED AND AS NOTED ON SHEET C-1" Many of the areas indicated as choke stone repair areas appear to be undermined. While rearranging the revetment stone at these repair areas, it seems likely crushed stone will need to be added. However; this detail does not show the use of geotextile fabric or geogrid as shown in the full depth repair areas. Please confirm that the area denoted as choke revetment stone joints on C-101 require rearrangement of the revetment stone, and addition of crushed stone, but do not require geotextile or geogrid.

Answer #8:

The adjustment of existing revetment stones is be required at some locations to correct any undermining where crushed stone will be installed. The crushed stone will be required at these locations set on a geotextile fabric. Lastly, geogrid will be required as a revetment stone underlayment on top of the crushed stone as seen in the existing conditions photos and details on Sheet C-102 for this work.

Question #9

Please confirm New Revetment Construction Detail on C-102 is not relevant to this project.

Answer #9:

Yes, there is no New Revetment Construction proposed for this project, but this detail has been shown for clarity. .

Question #10

Please confirm Corrosion Inhibiting Admixture and Anti-Washout Admixture as listed in the specifications are required for the concrete mix design considering the use of epoxy coated rebar and the required use of a Porta Dam.

Answer #10

Corrosion-inhibiting admixture is required as listed in the specification. Anti-washout admixture is required only for underwater placing of concrete.

Question #11

Please confirm is the concrete cap can be placed as a separate pour or if it must be monolithic with the wall.

Answer #11

Only monolithic construction joints are acceptable. A monolithic construction joint refers to a joint in which the surface between successive placements is prepared to enhance bond and shear transfer and reinforcement is continuous.

Question #12

It appears as though the collapsed wall has been removed. Are remnants of the existing wall remaining below grade or has it been removed in its entirety?

Answer #12:

The existing wall has fallen over from a storm event and is on site. Fortification concrete block and rip rap fill has been placed over the area. All these materials must be removed and disposed of as part of this project to the existing beach surface.

Question #13

Note 1, Cross Section A/1.1 indicates that the over excavation shall be backfilled with lean-mix concrete of flowable fill. Construction Sequence Note 5 on 1.0 indicates compacted structural backfill. Please clarify what backfill material is required for the over excavation.

Answer #13

Replacement of unsuitable material below the wall footing shall be backfilled with lean-mix concrete or flowable fill.

Question #14

Please confirm if the contractor will take possession of the precast concrete blocks onsite or if they will be turned over to the Town.

Answer #14

The Contractor shall be responsible for the removal and disposal of the existing precast concrete blocks. The Town may choose to retain these blocks, but the Contractor shall assume they will remove and dispose.

Question #15

What material is to be placed on the seaward side of the wall repair?

Answer #15

No new materials are to be imported/placed on the beach surface. The Contractor shall excavate, remove and dispose of fill materials placed to fortify the wall after it had failed. The existing beach surface shall be exposed, excavated and stockpiled seperately to complete the wall repair for each soil type (assume 3 soil stockpiles). The materials excavated shall not be comingled and backfilled as they were removed.

Question #16

Should the contractor assume for the purposes of bidding that the excavated material from the site is not contaminated?

Answer #16

Yes, for the purposes of bidding the Contractor shall assume the material to be removed from the site is not contaminated.

Question #17

The silt curtain cannot be anchored this closely to Portadam as the Portadam fabric lays on the bottom approx. 20' out. Could use of silt fence on the dry side of the Portdam be substituted for the use of a silt curtain?

Answer #17

No, a silt curtain shall be installed and anchored outside of the dewatered work area. Use of super sacks or similar could be utilized to temporarily anchor the silt curtain as example. The anchoring of the silt curtain shall be submitted and approved of by the Engineer as part of the erosion control plan submittal.

Question #18

Is the Portadam required if sheeting is installed seaward of the wall repair?

Answer #18

The Portadam system has been proposed and approved by Conservation Commission as an example dewatering system to complete the work while limiting existing beach surface conditions. A dewatering system designed by a MA-Professional Engineer shall be developed and submitted for approval to the Engineer & Owner. . However, should a different approach be requested which disturbs the beach surface substantially such as sheeting, the Contractor shall seek approval from Conservation Commission prior to starting construction. No additional time will be added to the substantial/final completion deadlines as a result of this process.

Question #19

Signing Beach Pre-Construction requirement 11.c requires silt fencing to be setup for each full depth repair area a maximum of 30' from the toe of slope.

a. Please confirm silt fencing is not required for choke stone repair areas.

Answer #19a

Silt fencing is only required where excavation operations will take place and soil with erosion potential is exposed. Therefore, no erosion controls will be required for the choke stone repairs.

b. Item 14 indicates that all efforts shall be made to complete each full depth repair section prior to the end of each workday. Is silt fence necessary if the repair area is completed in one day and the weather conditions are such that erosion is not an issue?

Answer #19b

Erosion controls are required as stated above. Should the Contractor want to perform the work without silt fencing, approval from the Conservation Agent would be required prior to starting the associated work.

c. Silt fence a max Of 30' from toe of slope is going to severely impact the maneuverability of the stone setting equipment as working from the beach side is required. Can the maximum distance from the toe of slope be increased if necessary?

Answer #19c

The 30' dimension on the plans was intended to be the typical dimension for such repairs. Any modifications to the work zone shown on the Contract Drawings will require approval from the Conservation Agent prior to starting the associated work.

Question #20

Article 6.04 of the standard general conditions requires the contractor to purchase and maintain builder's risk insurance. Please confirm that this policy will be required during the project.

Answer #20

Yes, the Contractor is required to purchase and maintain builder's risk insurance for this project.

Question #21

Technical specification section 01 50 00 section F on traffic control states that a minimum of one moving lane on roadways must be maintained unless detours are permitted. Please clarify whether the contractor may close the section of Harbor Street during work in on the seawall, or if traffic must be maintained during the work

Answer #21

See answer to Question #5.

Question #22

Plan C-101 title box “2020 REVETMENT REPAIRS” indicates Full Depth Repair in hatched red marks and Choke Revetment Stone Joints in dotted beige marks. Does this cover the full scope of repair for this bid?

Answer #22

Yes.

Question #23

Plan C-101 indicates 2014 Repair Legend, are these repairs part of this Bid?

Answer #23

No, these repairs have been previously completed and are not to be included as a part of this project.

Question #24

Will the Town provide Laydown areas for storage of Materials and Equipment at the Singing beach location?

Answer #24

Refer to answer #7.

Question #25

Does the Town require permits for the reconstruction of the Revetment wall?

Answer #25

Yes the Town requires all contractors to obtain road opening permits for projects completed on Town owned property. No fees will be issued to the Contractor as part of this project. .

Question #26

If Permits are required, Does the Town waive the Fee?

Answer #26

See answer to question #25.

Question #27

Will Excavation equipment be allowed on the beach within the Limit of Work Zone?

Answer #27

Yes, excavation equipment will be permitted on the beach within the Limit of Work Zone as shown on the contract drawings.

Question #28

The Harbor Street site has a gated access to the beach, can the awarded contractor utilize this gate for beach access?

Answer #28

Yes, the gate at this location is expected to be utilized as an access point to the project site and included in the limit of work shown on the Contract Drawings.

Question #29

Pay Items 3, 4 and 5 are per CY. These materials are purchased by the ton. Will weight slips be used to track quantities? What conversion factor will be used from tons to CY for purposes of payment?

Answer #29

Pay Items 3, 4, and 5 will be paid based on the quantity of material installed to complete the repairs as noted on the plans. Quantities will be tracked by a 1.5 ton/CY ratio or by truckload (20-ton/13CY).

Question #30

Contract documents call for repairs of revetment to match existing stones. What is the size of the existing stone?

Answer #30

The existing revetment is assumed to be comprised of 3-5 ton stones and shall be verified by the Contractor prior to submittal acceptance.