

Rehabilitation of North Terminal, Nordic Fisheries Inc.

14 Hervey Tichon Avenue, New Bedford, MA

ADDENDUM #1

Issued: 1/6/2023

General

1. Remove the sheet following Sheet S-5 Titled "Notes". These notes can be found on Sheet G-2 under "General Bulkhead Notes".
2. The attached revised Schedule of Values, dated 1-4-2023, shall be used by Contractors when submitting their bids.

Contractor Questions

1. Please confirm that this is a lump sum bid and not a unit price bid.

A: Yes, bid is Lump Sum. The only Add/Deduct items are as indicated on the Schedule of Values (SOV) under Items #8A and #15A for rock anchors and VPC compaction respectively.

2. Drawing S-1 indicates new 8" bituminous paving. This conflicts with the 5" paving section shown on drawing C-12. Please clarify which is correct and provide an updated paving section if necessary.

A: Detail 6/13/12 on C-12 is correct (5" paving is required).

3. The note on drawing S-1 states that "sheet piles driven to refusal (no case less than tip elevation -60'). The borings on drawing C-2 indicate refusal above elevation -60' in most locations. Please verify that the tip elevation of -60' is not a requirement when refusal is reached at a higher elevation.

A: All sheet piles shall be driven to tip elevation -60 feet unless refusal is encountered at a shallower elevation. Refusal of the sheet pile on bedrock above elevation -60 feet shall be determined based on inability to advance the sheet pile further by use of the impact hammer. Shallow refusals on potential obstructions shall be dealt with in accordance with the specifications.

4. Reference Specification Section 02 22 13 "Movement and Vibration Monitoring"; Please confirm that the Owners Representative is responsible for this work and that the Contractor is only responsible for minimal assistance associated with installing/removing the monitoring equipment.

A: The owner is responsible for this work with minimal coordination/assistance from contractor in installing/removing the equipment. The Owner's Engineering will install and operate an automated movement and vibration monitoring system. The contractor will be required to protect the automated system and its components during the work.

The contractor will be provided with near real-time movement and vibration data during construction and will be responsible for selecting suitable means and methods of construction and construct all work within the threshold and limiting values for settlement, deformation, and ground vibrations stated in the specifications.

5. Based on the permits posted on 12/20/22, there is a TOY restriction between 1/15-5/31 for any silt producing work, including installation of a silt curtain. The anticipated start date is listed as approximately 3/10/22 in the Instruction to Bidders. Based on the need to delay deployment of the controls, can you please consider extending the Phase 1 milestone by the 2 months? The Final/Phase 2 completion of the project (365 days from NTP) may not be affected by the TOY restriction, because the silt curtain will be installed prior to the 1/15 date.

A: Based on the Time of Year Restrictions change the Following: AIA A101 Article 3.3.2 under Phase 1 Substantial Completion Date from 6 months to 8 months. The target Substantial Completion Date for Phase 2 remains at 1 year from Notice To Proceed.

6. Specification section 31 51 00 requires 1EA sacrificial rock anchor to be installed 45 days from NTP, +/- 3/27/2023. Can you please confirm that the sacrificial rock anchors can be performed at the start of production work once the sheet piles are in following the TOY restriction of 5/31?

A: The sacrificial test rock anchor shall be installed vertically behind the existing sheet pile bulkhead to test and verify bond strength between grout and bedrock. TOY restriction does not apply for on-land work. The test shall be a minimum of 50 feet away from the bulkhead and existing outfall pipe in the area of the parking lot. The contractor shall be responsible for clearing underground utilities via Dig Safe.

7. On Sheet ED-1, there seems to be one existing pedestal on the Phase 2 side of the existing pier. Does this pedestal need to stay operational during Phase 1 construction?

A: The existing shore power stations do not need to be maintained in operational condition. At the completion of Phase 1 the new shore power stations (in Phase 1 area) shall be operational as a condition of acceptance.

8. Is the secondary 13.65' long W-beam wale shown on details C/D on Sheet S-4 only needed at the W-beam to Double Channel wale splice transitions, and not at any of the W-beam to W-beam wale splices?

A: Secondary W-beam is required only at transition from W12x120 beam to 2x MC 113x31.8 double channel wale in the area of the return walls. W12x120 to W12x120 splice is detailed on sheet S-3 detail 1 and does not require a secondary wale.

9. "Structural Metal Fabrications" spec is listed in table of contents, but it is not provided. Please verify it is not applicable.

A: Strike Section 05 50 15 Structural Metal Fabrications from the Table of Contents, this section was not used.

10. The specifications require that Operators, Foreman, Welders of the Pile Driving and Tieback Anchor firms be submitted with the bids. In lieu of the above, can a relative completed project

list of each firm be required for bidding purposes, and the other documentation be provided after award?

A: Contractors shall submit with their bid the information requested in Section 00 00 10 Instructions to Bidders Article 7. Other requested information and qualifications shall be submitted after Award.

11. Note #2 Sheet C-2 state the Contractor is responsible for concrete testing. The Field QA portion of the 033053 specification states the Owner is responsible for concrete testing. Please clarify who is to provide concrete testing.

A: The Contractor is responsible for scheduling and coordination with the concrete testing company; the Owner is responsible for selection of the testing company and paying for the testing. Contractor may propose a third-party testing agency for owner's consideration.

12. At the pre-bid meeting, the contractors were informed that the ice dispensing equipment was to be removed by Others. Sheet C-4 Note #4 says it is to be removed and stored by the Contractor. Please verify this equipment will be removed by Others prior to the start of Phase 2.

A: The ice dispensing system shall be removed by the Owner prior to the beginning of Phase 2 work. Nordic confirm this

13. Section 01 74 00 states "Hazardous Wastes: Any unforeseen hazardous wastes shall be separated, stored, and disposed of according to local regulations and as directed by the Owner." Please confirm no hazardous waste is anticipated, and if encountered any associated costs will be covered as a Change Order per Article 7.2 of the General Conditions.

A: Per Specification 31 23 00 – Earthwork, all materials excavated from below MHW shall be relocated and returned as backfill within the interior of the steel sheet pile wall alignment and inside the silt curtain. Generation of hazardous waste from below-water excavations is not anticipated.

14. Earthwork Note #1 on Sheet G-2 informs the Contractor that the bottom sediment of new Bedford Harbor is expected to be contaminated (PCBs per the specifications) and to take precautions to protect workers from excessive contact. Please confirm that no additional permits, precautions, monitoring nor testing will be required, and if they are that the costs will be covered as a Change Order per Article 7.2 of the General Conditions.

A: Disturbance of bottom sediment shall be minimized to the extent practicable. Where excavation of bottom sediment is required for clearing sheet pile alignment for return walls or for excavation of obstructions along the sheet pile wall alignment, excavated soil, rock, and sediment material shall be relocated and immediately returned as backfill within the interior of the sheet pile wall alignment / silt curtain. Excavation equipment used to excavate and relocate sediment shall be decontaminated prior to demobilization.

15. For Bid Item #14 VPC Compaction, please verify that the LS breakdown found in Section 31 23 00 Article 5.1 does not need to be submitted with the bid.

A: The LS breakdown does not need to be submitted with the bid. SOV Item #14 shall include the first 3 items under Article 5.1 A. The fourth item, Add/Deduct Unit Price, shall be included on the SOV sheet as Item 14A and shall not be included in the Total Contract Amount.

16. Can you please verify if the building permit is only required for the electrical scope of work, and not for the value of the entire bulkhead construction?

A: It is our understanding that a comprehensive building permit is not required. The Contractor is required to provide and pay for any electrical permit and coordinate with required inspections if any.

17. Sheet C-8 gives a spacing on the fender piles of 9'-2.25" O.C., which would be roughly 48 piles. The layout on Sheet C-6 does not follow this spacing and shows 58 piles, assuming additional piles are shown to avoid proposed rock anchor locations. For bidding purposes, can you please verify which layout we are to use?

A: For bidding purposes use 58 piles as shown on the plans.

18. At which elevation are the proposed anodes to be installed?

A: Anodes shall be installed at EL-20 feet or 2 feet above the existing mudline if mudline is above -20 feet.

19. There are two Bid Item #14 on the Schedule of Values bid form.

A: See attached revised Schedule of Values.

20. Sheet C-6 shows a 12" Timber Fender Piles. Sheet C-8 as well as specification 31 62 19 call for 14" Greenheart Fender Piles. Please clarify which pile is to be used.

A: The fender piles shall be a minimum of 14" diameter at the butt.

21. As this contract is being completed in two phases, Sheet S-1 shows only 26 Rock Anchors being required for installation. Can Bid Item #8 quantity be reduced to 26 EA on the Schedule of Values bid form?

A: Lump sum SOV Item #8 shall be kept at 29 rock anchors (26 along bulkhead, 1 test anchor, 2 anchor contingency for potential adjustments). An ADD/DEDUCT UNIT PRICE for additional or deleted rock anchors has been added to the Schedule of Values (Item 8A)

22. The Concrete Note #4 on G-2 calls for 4000 PSI Concrete. The specification 03 30 53 calls for 5000 PSI Concrete. Please clarify which is to be used.

A: The Specification takes precedence so 5000 psi.

23. Sheet S-1 Section views show a metal cap on top of the sheet pile bulkheads, but no details are provided. Section views on sheets C-7 through C-10 show the sheet pile tops being cut with a bevel matching the pitch of the existing scuppers in the concrete caps, with no metal cap. Please verify that the tops of the sheet piles are to be cut per the C drawings, and that no metal caps are required.

A: The sheet pile is to be cut off as shown on C-7 through C-10; no cap plate is required. Void between new sheet pile and existing concrete cap beam shall be backfilled with new concrete per Detail 2 on Sheet S-2.

24. Do you have the actual boring log info? The drillers are looking for it.

A: The only info we have is on the reference drawings.

25. Please confirm the bid bond is not required.

A: Bid bond is not required.

26. Please confirm this project is not tax exempt.

A: The project is not tax exempt.

27. Drawing C-7 shows a dash line and labeled it -26.0' Max Dredging Limit. Does this project require any dredging work? If so, please provide layout drawings that show the dredging work.

A: There is no dredging as part of this project.

28. Drawing C-6 calls for 12" diameter timber fender pile, drawing C-8 calls for 14" diameter timber fender pile. Please advise.

A: See Question 20 above.

29. Drawing C-8 TYPICAL PLAN DETAIL labeled 9'-2 1/4" O.C. for the 14" Greenheart timber piles, when we go to drawing C-6 and count the number timber pile, it appear the timber pile much closer than 9'-2 1/4" O.C. Please advise

A: See Question # 17 above.

30. Instruction to bidder para 12 IMPORTANT DATES, section g) provide approximate start date. What is the completion date of this project?

A: Those dates are to be determined. Once the start date is determined the completion date is 365 days thereafter.

31. Drawing C-6 shows the limit of paving on the North side at station 10+00. What is the limit of new asphalt paving on the South side? Is it at station 5+50?

A: the limit of paving at the south end will be the limit of demolition (approx. center of pile cap at Bent 29).

32. Drawing S-1, at the phase return wall, there is a note "Install additional tiebacks if phase return wall is not installed". Is the base bid included phase return wall?

A: Phasing requires the installation of the return wall with associated wales and tie rods. The rock anchor tiebacks in this area are not anticipated to be required.

33. The sheet pile specifications state that It is intended that all piles shall be installed to cut-off, driving resistance and minimum tip elevations shown on the Drawings. But the drawings only state that the sheet pile tip elevation is to be at bedrock refusal. The soil information that is

provided on sheet C-2 indicates that refusal should be encountered at some point between elevation – 42.6’ and elevation -62’. For bidding purposes should the Contractor assume that the estimated sheet pile tip elevation is -62’?

A: The target sheet pile tip elevation is -60 feet, or refusal on bedrock if bedrock is encountered above elevation -60 feet. Refusal of the sheet pile on bedrock above elevation -60 feet shall be determined based on inability to advance the sheet pile further by use of the impact hammer. Shallow refusals on potential obstructions shall be dealt with in accordance with the specifications.

34. Please provide maximum depth of obstruction removal that the Contractor will be responsible for removing for the installation of the sheet pile bulkhead and timber fender piles.

A: The Contractor shall be responsible for removing obstructions down to the historic dredge depth of -32 feet. If refusal is encountered on an obstruction below elevation -32’, Owner’s representative will need to review if obstruction needs to be removed.

35. Please provide minimum tip elevations of the sheet pile return walls for determining extent of obstruction removal of Bid Item 4 – Sheet Pile Return Wall Probing/Excavation.

A: Return wall sheet piles shall be driven to tip elevation -60 feet, or to refusal on bedrock if shallower bedrock is encountered. Refusal of the sheet pile on bedrock above elevation -60 feet shall be determined based on inability to advance the sheet pile further by use of the impact hammer. Obstruction removal shall be performed by contractor to a minimum depth of the historic dredge depth of -32 feet.

36. Is the Contractor responsible for backfilling of any voids that may occur as a result of removing obstructions for the installation of sheet piling or timber piles.

A: Yes. Voids generated during obstruction removal for bulkhead sheet piles inside silt curtain shall be backfilled using existing material and/or specified fill material. For voids outside the confines of the sheet pile backfill with sand or crushed stone.

37. Please reference Specification Instructions for Bidders and confirm that bidders who missed the Mandatory on-site pre-bid meeting will be allowed to participate in the bid/award process providing that they visit the site?

A: A second pre bid site visit will be held for interested bidders on January 13, 2023, at 10:00. Contractors planning to attend please contact Craig Sams and Mike Livingstone to confirm time.

38. Please reference Drawing C-4 showing rock fill in front of existing bulkhead. Please provide the stone gradation of this fill or confirm that sheeting/piles can be driven thru this material?

A: Gradation of the stone fill is unknown.

39. Please confirm that the existing bulkhead will remain stable if portions of the rockfill is removed for pre-excavation for new sheets?

A: it is anticipated that the bulkhead will remain stable during localized excavation of rockfill at the return wall locations. A vibration and displacement monitoring program will be in place to

detect movement in the structure. Excavation of rockfill shall be limited to the extent necessary to remove obstructions from the sheet pile alignments.

40. Please reference Drawing C-5 Sections A-A, B-B and C-C showing #7 dowels securing precast deck planks to pile caps. Please provide spacing of these dowels, as they will impact the cost of demolition work?

A: Refer to the reference drawings for details of existing construction.

41. Please reference Drawing C-5 Section C-C and confirm that the pile and jackets supporting Bend 51 Pile Cap are to be removed in their entirety.

A: The vertical piles and pile cap at Bent 51 shall be removed completely.

42. Please reference Drawing S-1 Plan callout in the vicinity of Bents 40, 41 and 42 and confirm that Tiebacks are not needed in this location if the Return Wall and Corner Tie Rods are installed?

A: See Question # 21 and 32 above.

43. Please reference Drawing S-4 Detail D and provide further information about where this Section is taken. Is the W12x120 (13.65' long) waler on both the return walls and main bulkhead to accommodate corner tie rods?

A: Detail shows transition from W12x120 wale to MC13x31.8 double channel wale at return walls along the main bulkhead. A secondary W12x120 (13.65' long) is required at each location of these transitions.

44. Can Owner provide a Measurement and Payment section describing which costs are to be included in each Bid Item?

A: The contract is a lumpsum contract. The Schedule of Values is intended to provide a reasonable breakdown of the contractors' lump sum price for payment as the work progresses. See question #1 above.

45. Can the period for asking questions be extended 1-week?

A: Questions from interested Contractors shall be accepted by the Owner through January 13, 2023. To accommodate this extension the bid date has been extended to February 3, 2023.

Plan Holders List

1. AGM Marine Contractors Inc.
2. Robert B Our Co.
3. J.F. Brennan Company, Inc.
4. MAS Building & Bridge, Inc.
5. BTT Marine Construction Company
6. C. White Marine

7. Mohawk Northeast Inc.
8. COASTAL MARINE CONSTRUCTION LLC.
9. Prock Marine
10. Northern Construction Service, LLC
11. Manafort Transit
12. A.A. Will Corporation
13. ACK Marine
14. MIG Corporation

NORTH TERMINAL REHABILITATION
NORDIC FISHERIES INC., 14 HERVY TICHON AVE., NEW BEDFORD, MA

SCHEDULE OF VALUES

REVISED 1-4-2023

ITEM #	DESCRIPTION OF WORK	QUANTITY	UNIT	UNIT COST	ITEM TOTAL
1	MOBILIZATION / DEMOBILIZATION(NO MORE THAN 10% OF TOTAL CONTRACT AMOUNT) - 75% PAID FOR MOBILIZATION AND 25% PAID FOR DEMOBILIZATION	1	LS	N/A	
2	DEMOLITION	1	LS	N/A	
3	SHEET PILE WALE INSTALLATION	548	LF		
4	SHEET PILE RETURN WALLPROBING/EXCAVATION	108	LF		
5	SHEET PILE INSTALLATION	548	LF		
6	OUTFALL SHEET PILE RETURN WALL INSTALLATION	72	LF		
7	TIEROD INSTALLATION	1	LS	N/A	
8	ROCK ANCHOR INSTALLATION	29	EA		
9	REINFORCED CONCRETE - OUTFALL SLAB	1	LS	N/A	
10	TREMI CONCRETE MATT- OUTFALL	1	LS	N/A	
11	REINFORCED CONCRETE - NORTH CAPS	1	LS	N/A	
12	REINFORCED CONCRETE - SOUTH CAPS	1	LS	N/A	
13	REINFORCED CONCRETE - CUTOFF WALL CAP	1	LS	N/A	
14	BACKFILLING AND COMPACTION	1	LS	N/A	
15	VPC COMPACTION SUM OF ALL LUMP SUM ITEMS AS PER SECTION EARTHWORK 31 23 00 ARTICLE 5.1	1	LS	N/A	
16	FENDER SYSTEM	437	LF		
17	PAVING - INITAL BASE COURSE	2890	SY		
18	PAVING - FINAL FINISH COURSE	2890	SY		
19	ELECTRICAL	1	LS	N/A	
TOTAL CONTRACT AMOUNT = _____					
8A	UNIT ADD / DECDUCT PRICE FOR ADDITIONAL ROCK ANCHORS	1	EA	\$ _____ / ROCK ANCHOR NOTE : UNIT ADD / DEDUCT PRICE FOR ROCK ANCHORS SHALL NOT BE INCLUDED IN THE TOTAL CONTRACT AMOUNT.	
15A	UNIT ADD / DECDUCT PRICE FOR ADDITIONAL PROBES AS DESCRIBED IN SECTION EARTHWORK 31 23 00 ARTICLE 5.1.C	1	EA	\$ _____ / PROBE NOTE : UNIT ADD / DEDUCT PRICE FOR PROBES SHALL NOT BE INCLUDED IN THE TOTAL CONTRACT AMOUNT.	