



ADDENDUM NO. 1

Issue Date: June 24, 2022

Project Name: Replacement Pontoon Boat Dock at the Environmental Learning Center

Bid Number: 2022065

Bid Opening Date: **Updated – now July 15, 2022**

This addendum is being released to answer questions received to date, provide meeting minutes, modify bid documents and extend the deadline for receipt of bids.

The information and documents contained in this addendum are hereby incorporated in the invitation to bid. **This addendum must be acknowledged where indicated on the bid form, or the bid may be declared non-responsive.**

Pre-Bid meeting minutes

- Is there a designated staging area? Yes. Sheet 1 of the drawings identifies the staging area as the open field used as overflow parking near the entrance to the ELC. Technical Specification Section 5 identifies that “The Contractor may store materials and equipment within staging areas on the Environmental Learning Center site – as accepted by the County and Engineer at the preconstruction conference.
- Barb Ford identified that the ELC would like a three way switch to control the lighting at each end of the dock. Technical Specification Sections 10.3.7 and 10.3.9 have been modified to clarify the intent of the control of the proposed lighting.
- ELC would like project to be completed by December 31st. Barb Ford mentioned that they (the ELC, not the County) would provide promotion for the selected contractor if they came in on time and within budget. Section 1 of the Technical Specifications has been modified to identify the new dock construction must be completed and re-opened to the public by December 31, 2022.
- Contractors requested that a week be added for the due date. The bid opening date is now July 15, 2022.
- Contractors inquired whether a building permit would be applied for by either the ELC or the County. The County will not be applying for the permit, therefore this will be the responsibility of the Contractor. Technical Specification Section 2 identifies that “The Contractor shall obtain a local building permit from Indian River County”. To expedite the issuance of a building permit from the County Building Department, the ELC will coordinate with the County Building Department and seek (a) initial review of the plans or ideally (b) issuance of a building permit to the ELC to be transferred to the winning bidder after bid award.

Addendum 1

- Contractor asked if an alternate to the lumber rock can be proposed. The response was to price it as shown, and then the selected contractor can submit a change order for consideration if another material is more cost effective or easier to obtain.
- The Project Description on Page 4 of the bid documents and Section 00310 Bid Form of the Bid documents identifies a sidewalk as part of the project. Coastal Tech mentioned that a sidewalk was not part of this bid. The project description is: "The PROJECT entails (a) removal of the existing Pontoon Boat Dock, and (b) new dock construction with water and electric service, and an entrance gate."
- A bidder asked if the Turbidity Curtain needs to surround the entire dock during the entire project, or if the Turbidity Curtain can surround only the active construction area and be relocated at the work progresses. The Contractor is to not violate state water quality standards by providing, installing and maintaining the turbidity curtain consistent with the latest version of the Florida Stormwater Erosion and Sedimentation Control Inspectors manual. The turbidity curtain must remain in place long enough to 'allow for the turbidity curtain to deflect and contain sediment within a limited area and provide enough residence time so that soil particles will fall out of suspension and not travel to other areas'. Once the sediment is out of suspension, the Contractor may remove and relocated the turbidity curtain to the next active work area.
- All manatee protection requirements in the State and federal permits must be adhered to. Additionally, demo of the dock must not disturb seagrass (by barge equipment, etc.).
- The County Code for electrical work is changing in the next few months and becoming more restrictive so there is an incentive to get the building permit in as soon as possible.
- The piles supporting the boat lift are to remain in place and be wrapped, see the modified text within Section 10.3.4 of the Technical Specifications.

Modifications to Bid Documents:

Delete references to "adjacent sidewalk" in the following locations. Sidewalk is not part of the bid.

- ✓ 00100-1 Project Description
- ✓ 00310-1 Project Description
- ✓ 00520-1 Article 1 – Work (1.01, second paragraph)
- ✓ 00630-1 Project Description

The line item bid number for a gate is removed from the Itemized Bid Schedule, as it is included in line item 3. Bidders shall submit Itemized Bid Schedule – Addendum 1

Attachments:

Technical Specifications – Addendum 1 (revised in track changes)

Itemized Bid Schedule – Addendum 1

Pre-Bid Meeting Sign In Sheet

Questions and Answers

1. Is a state certified Marine Contractor license acceptable?
Yes.

Technical Specifications

1. **General:** These Technical Specifications describe details of the proposed improvements (Work/Project) as generally identified (i) on the Drawings titled "Proposed Replacement Pontoon Boat Dock for Environmental Learning Center" by Coastal Technology Corporation (ENGINEER) dated 6/03/2022, (ii) in these Technical Specifications, and (iii) in the Contract Documents. The Work (PROJECT) is proposed for Indian River County (COUNTY). The PROJECT entails (a) removal of the existing Pontoon Boat Dock, and (b) new dock construction with water and electric service, and an entrance gate.

The CONTRACTOR shall complete the Work consistent with the Drawings and these Technical Specifications – unless otherwise modified by Addendum or Change Order. As shown on the Drawings, the PROJECT includes (a) removal and replacement of the existing pontoon boat dock including the railing, decking, stringers, pile caps, and piles, and entry gate, and (b) site restoration. The existing boat lift is to remain in place.

The Work shall be performed consistent with the 2020 Florida Building Code, Seventh Edition unless otherwise identified in these Technical Specifications or the Drawings.

The existing dock must remain open to the public until April 1, 2022 and new dock construction must be completed and re-opened to the public by ~~November-December 15~~31, 2022. No staging of equipment can commence prior to April 1, 2022.

2. **Permit Compliance:** The CONTRACTOR shall abide by all notes and conditions indicated on the Drawings, Technical Specifications, and as cited in permits for the work. Any deviation from the Drawings, Technical Specifications, and/or permits may be subject to enforcement actions and/or permit revocation – except as may be authorized by Addendum or Change Order. If the CONTRACTOR violates any condition of the permits and the Work is stopped by any public entity, then any additional costs incurred by the CONTRACTOR in association with stoppage of the work shall be paid by the CONTRACTOR and not charged to the COUNTY. The CONTRACTOR shall notify the COUNTY and ENGINEER within 24 hours of the CONTRACTOR's recognition of any discrepancies in the Drawings or these Technical Specifications. The CONTRACTOR shall obtain a local building permit from Indian River County; the COUNTY will provide other required permits. A complete copy of all permits must be maintained by the CONTRACTOR at the work site.
3. **Preconstruction Conference:** Prior to construction, the CONTRACTOR shall meet on site with the ENGINEER or his designee to (a) review the PROJECT details, (b) establish construction access locations and upland construction staging areas on site as may be proposed by the CONTRACTOR, and (c) document pre-construction conditions of the site.
4. **Notification:** At least two (2) weeks prior to the start of construction, the CONTRACTOR shall notify the ENGINEER and COUNTY of the expected dates for the start and completion of construction. The CONTRACTOR will notify the ENGINEER as to the time and date of the following events at least three (3) days prior to the event:
 - Mobilization onto the site
 - Preparation of the CONTRACTOR's access and staging areas

- Installation of the Turbidity Barriers
- Removal of existing dock
- Delivery of materials to the site;
- Installation of the piles – including (a) delivery onto the site, (b) placement, (c) any cutting of the piles, which shall be subject to acceptance by the ENGINEER
- Installation of the pile caps, stringers, decking, and guardrail
- Site Restoration
- Demobilization

Failure to comply may be taken as cause for rejection of work completed.

5. **Construction Access & Staging Areas:** The CONTRACTOR may obtain access to the site:
- a) by vessel via the navigable waters of the Indian River, or
 - b) by vehicle via the entrance to the Environmental Learning Center site at 255 Live Oak Drive, Vero Beach, FL 32963.

The CONTRACTOR may store materials and equipment within staging areas on the Environmental Learning Center site – as accepted by the COUNTY and ENGINEER at the Preconstruction Conference.

6. **Materials:** The CONTRACTOR shall make available (within the staging area) to the ENGINEER all construction materials (piles, decking, rails, bolts etc.) proposed for construction; said materials shall be subject to acceptance by the ENGINEER prior to installation by the CONTRACTOR. After notification and delivery of materials, the ENGINEER will accept or reject materials within three (3) business days.

7. **Avoidance of Impacts to Resources:** The CONTRACTOR shall avoid impacts to any state or federally designated threatened or endangered species including manatees, sea turtles, and sawfish during construction activities. If prehistoric or historic artifacts are encountered at any time within the project site area, all activities involving subsurface disturbance in the vicinity of the discovery shall cease. The CONTRACTOR shall contact the COUNTY, the ENGINEER, and the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850) 245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, F.S. In addition, the CONTRACTOR shall perform the work so as to avoid adverse impacts to sovereignty submerged lands and associate resources including seagrass, oyster beds, or other benthic resources. If any adverse water resource-related impact occurs as a result of construction activities, the CONTRACTOR shall immediately notify the ENGINEER and COUNTY.

8. **Erosion and Sediment Control:** The CONTRACTOR shall conduct construction activities in a manner that does not cause or contribute to violations of state water quality standards. Stabilization measures shall be implemented by the CONTRACTOR for erosion and sediment control on areas disturbed areas by the CONTRACTOR prior to construction activities. Such measures and practices shall be in accordance with Section 104 of the Division 2 Technical Provisions.

9. **Payment:** The COUNTY shall make payment to the CONTRACTOR for all materials and labor according to the unit prices and lump sum prices indicated on the Bid Schedule. The COUNTY shall make final payment for each item of the work upon completion of the work by the CONTRACTOR and acceptance of the work by the ENGINEER and the COUNTY. The CONTRACTOR shall provide all materials, labor and equipment needed to perform the work required by these specifications for each Bid Item with no additional cost – beyond the Bid Schedule – to be incurred by the COUNTY except as may be authorized by Change Order.

10. **Bid Items:**

- 10.1. Mobilization / Demobilization: All costs connected with the one-time mobilization and demobilization of all CONTRACTOR's employees and equipment and all costs connected to obtainment of a performance bond for Marine Construction are to be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 1. The CONTRACTOR shall: (a) avoid any damage to existing utilities; (b) determine if underground or overhead utilities exist at or near the Project site work locations; and (c) specifically contact Sunshine 811 (1-800-432-4770) prior to commencement of construction. Elevation contours on the Drawings are as of the date of the survey or site visit and may not reflect conditions at the time of construction; the CONTRACTOR is to verify water depths and bottom types at all work locations – as needed for construction. All other costs associated with performance of the work (including bonding and insurance requirements, erosion and sediment control) and not addressed in other bid items – shall be included in the CONTRACTOR's proposal for Bid Item 1.
- 10.2. Removal of Existing Structures: All costs connected with removal and disposal (or salvage) of existing structures are to be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 2. The CONTRACTOR shall provide all necessary equipment and labor to remove the existing wood dock, superstructure, and piles under Bid Item 2 as shown on the Drawings. The CONTRACTOR shall coordinate with the COUNTY and ELC to shut off power to the existing outlet attached to the dock. All materials obtained from removal of the existing structure are to become the property of the CONTRACTOR for salvage, or otherwise, the CONTRACTOR shall dispose of the materials at an upland disposal site in accordance with applicable local and state laws – subject to approval of the COUNTY. The COUNTY is not responsible for the quality or quantity of any material salvaged by the CONTRACTOR. The CONTRACTOR may temporarily store materials in an accessible location within staging areas on the Project site as may be identified by the CONTRACTOR at the Preconstruction Conference – subject to acceptance by the COUNTY and ENGINEER.
- 10.3. Replacement Dock: All costs connected with construction of the replacement dock are to be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 3. The CONTRACTOR shall provide all necessary materials, equipment, and labor to construct the proposed replacement dock as shown on the Drawings per the following provisions:
- 10.3.1. Decking: The decking for the replacement dock from the road to the proposed gate on the dock shall be Lumberrock™ 2x6 deck board. The decking for the 6-foot wide shore-normal pier shall be ThruFlow™ Surge 50

fiberglass reinforced polypropylene panels in Light Grey or near equivalent subject to acceptance by the ENGINEER. The decking for the 8-foot wide terminal platform shall be ThruFlow™ Surge 60 fiberglass reinforced polypropylene panels in Light Grey or near equivalent subject to acceptance by the ENGINEER. Each deck panel shall be installed in accordance with the manufacturer's Installation Guidance – including (a) mechanically fastened to each stringer at the panel edges using #10 x 2-1/2" pan head stainless steel screws, (b) the long axis perpendicular to the stringers and bearing upon the stringers, and (c) a 1/16-inch gap between adjacent panels and piles. The CONTRACTOR may not saw cut grating panels.

- 10.3.2. Guard Rail: The guardrail shall consist of 1/4" stainless steel rod railing secured using the RodTite system as manufactured by ViewRail or near equivalent subject to acceptance by the ENGINEER. 4x4 posts shall be fastened to the outside of stringers via two 1/2" stainless steel bolts. The top plate of the guard rail shall be a 2x4 Lumber Rock or near equivalent subject to acceptance by the ENGINEER. Railing shall be installed in accordance with the manufacturer's Installation Guidance.
- 10.3.3. Wood: All wood shall be nominal sizes as shown on the Drawings, dressed sizes shall be as published by the *National Design Specifications for Wood Construction*, Nominal and Minimum Dressed Sizes of Sawn Lumber. All wood for pile caps, stringers, wood gate, and guard rail posts shall be pressure treated Southern Pine No. 1 grade. All wood shall be treated in accordance with AWPA Standards U1-17 UC4B Ground Contact Heavy Duty. All wood shall be free of knots, boreholes, decay, or any other damage. Each piece of lumber shall be identified by the grade and treatment mark of a recognized organization approved by the Southern Pine Inspection Bureau (SPIB) *Standard Grading Rules for Southern Pine*. All exposed edges of the rails shall be beveled. All exposed edges shall be sanded smooth to remove any sharp edges and splinters. Stringer splices should be over pile caps.
- 10.3.4. Piles: Wood piles shall be No. 2 grade Southern Yellow Pine and 10 inches in diameter. Piling shall be free of knots or splices, uniform in diameter and free of damage. All wood piles shall be treated in accordance with AWPA Standards U1-17 UC5C Marine Use Southern Waters. All piles which extend above the decking shall be capped with black 10 inch round cone polyethylene piling caps. Piling shall have grade marks branded into wood, not tagged. The existing piles supporting the boat lift and the proposed piles shall be wrapped with 30 mil HDPE (high density polyethylene) heavy duty dock piling wrapping from the top of the mudline to the bottom of the pile cap as accepted by the Engineer and County. All wood piles shall have a minimum tip elevation indicated on the Drawings. The CONTRACTOR shall make whatever provisions are necessary to achieve the required embedment of piles – subject to the following:
- i. Jetting of Piles: Jetting of piles will be permitted only to 2 feet above the final penetration.
 - ii. Driving of Piles: At least the final 2 feet of the piles must be driven to achieve (a) the required penetration, and (b) a minimum bearing capacity of 2.5 tons for each pile – based on pile-driving hammer formula or table as accepted by the Engineer.

- iii. Surface Treatment: After piles have been driven, if cut off, all cut, and bored surfaces shall be treated in accordance with AWPA M4, Section 6.1.
- 10.3.5. Hardware: All nuts, bolts, washers, screws, and nails, shall be 316 Stainless Steel (SS). Wood posts shall be fastened to pile caps with ½" stainless steel bolts with ogee washers. Interior stringers shall be fastened to each pile cap with LTS18SS Simpson Strong Tie Stainless Steel Twist Straps as shown on the Drawings. Straps will be connected using spiral shank stainless steel nails as recommended by the manufacturer. Exterior stringers shall be fastened to piles using two equally spaced 1/2" diameter stainless steel lag bolts, nuts, and washers. Pile caps shall be connected using two equally spaced 1/2" diameter stainless steel bolts with ogee washers. Nails shall be driven flush with wood.
- 10.3.6. Dock Ladder: The CONTRACTOR shall provide and install one dock ladder on the west side of the dock adjacent to the boat lift as shown on the Drawings. The dock ladder shall be a 5-step, straight, wide rung, aluminum ladder distributed by West Marine – or near equivalent as accepted by the ENGINEER and COUNTY.
- 10.3.7. Dock Lights: The CONTRACTOR shall provide and install Starlite Collection Low Voltage Deck Lights distributed by Lite the Nite (of Schaumburg, IL) with G4 3.0W Wafer distributed by Emery Allen (of Charleston, South Carolina) – or near equivalent as accepted by the ENGINEER and COUNTY – along the dock attached to the 4x4 posts. Lights shall be installed per the manufacturer's recommendation with two stainless steel screws. Dock lights shall be installed such that the perpendicular axis of the screw holes are perpendicular with the edge of the dock. The lights are to be placed at the center of every other 4x4 post - spaced as shown on the drawings at roughly 8 feet on center. Dock lights shall be controlled by a (a) three way switch located near the entrance gate to the dock and (b) a three way switch located near the boat lift in a location proposed by the CONTRACTOR subject to acceptance by the COUNTY and ENGINEER, and (c) a remote control.
- 10.3.8. Water Line: The CONTRACTOR shall provide and install 3/4" PVC pipe water line along the distance of the dock with three brass hose bibs as shown on the Drawings. Pipe shall be supported on the vertical sides of the dock stringers via stainless steel straps – subject to acceptance of the ENGINEER.
- 10.3.9. Electrical System: The CONTRACTOR shall design, provide, and install the electrical system to (a) replace the existing electrical system that includes power to the boat lift, (b) the proposed Dock Lights described under section 10.3.7 under these specifications and ~~(b)~~ a conduit and connectors for a future light to be installed at the outboard terminus of the dock. The CONTRACTOR's design shall be consistent with the National Electric Code and Florida Building Code and is subject to acceptance by the ENGINEER, COUNTY, and County Building Department. The electrical work is to be performed by a Florida certified electrical contractor. Conduits shall be supported as cited in 10.3.8.
- 10.3.10. Entrance Gate: The CONTRACTOR shall remove and replace the wood gate at the entrance to the dock as shown on the Drawings. All wood shall be nominal sizes as shown on the Drawings, dressed sizes shall be as published

by the *National Design Specifications for Wood Construction*, Nominal and Minimum Dressed Sizes of Sawn Lumber. All wood for the replacement entrance gate shall be pressure treated Southern Pine No. 1 grade except 1x6 planks shall be Lumberrock™ 1x6 deck board. All wood shall be treated in accordance with AWWA Standards U1-17 UC4B Ground Contact Heavy Duty. All wood shall be free of knots, boreholes, decay, or any other damage. Each piece of lumber shall be identified by the grade and treatment mark of a recognized organization approved by the Southern Pine Inspection Bureau (SPIB) *Standard Grading Rules for Southern Pine*. All exposed edges shall be sanded smooth to remove any sharp edges and splinters.

- 10.4. Site Restoration: All costs connected with restoration of the construction site are to be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 45. Any existing structures must be restored to the pre-construction conditions or better as approved by the ENGINEER; the CONTRACTOR shall restore all pavement, sidewalks, landscaping, and other areas disturbed by the CONTRACTOR as a result of construction activities, unless otherwise accepted by the ENGINEER.
- 10.5. Maintenance of Traffic: The CONTRACTOR shall provide for Maintenance of Traffic as identified in Section 102 of the Division 2 Technical Provisions. All costs connected with Maintenance of Traffic shall be included in the lump sum price indicated on the CONTRACTOR's bid proposal for Bid Item 56.

ITEMIZED BID SCHEDULE - ADDENDUM 1

PROJECT NAME: Replacement Pontoon Boat Dock at Environmental Learning Center

BID NO. 2022065

BIDDER'S NAME: _____

Item No.	Description	Unit	Unit Price	Quantity	Amount
1	MOBILIZATION/DEMOBILIZATION	LS	\$	1	\$
2	REMOVAL OF EXISTING STRUCTURES	LS	\$	1	\$
3	REPLACEMENT DOCK WITH GATE	SF	\$	2,486	\$
4	SITE RESTORATION	LS	\$	1	\$
5	MAINTENANCE OF TRAFFIC	LS	\$	1	\$
SUB TOTAL					\$
6	FORCE ACCOUNT				\$10,000.00
TOTAL BID AMOUNT (INCLUDING FORCE ACCOUNT)					\$

LS=Lump Sum EA=Each PI=Per Intersection AS=Assembly SF= Square Foot SY=Square Yard
GAL=Gallon LF=Linear Foot CY=Cubic Yard TN=TON

NOTE: IF THERE IS A DISCREPANCY BETWEEN THE PLANS (SUMMARY OF PAY ITEMS) AND THE ITEMIZED BID SCHEDULE, THE BID SCHEDULE WILL BE UTILIZED FOR BIDDING PURPOSES.

TOTAL PROJECT BID AMOUNT IN WORDS _____

Mandatory/Non-Mandatory Pre-Proposal Meeting Sign In Sheet

Bid # 2022065

Bid Number and Title

Replacement of Pontoon Dock at the ELC

06/20/22; 0930; at the ELC Dock

Name	Company	Phone	Address	Email
JOE STANTON	Shoreline Foundations INC	954 985 0460		JSTANTON@ShorelineFoundations.com
Wendy Swindell	IRC	(772) 226-1881	5500 77th St VR 32967	wswindell@ircgov.com
Chris Pinson	INDIAN RIVER DOCKS	772-473-1337	481 Avocado Av 957	cpin@dockis@gmail.com
Reggy King	South Eastern Marine Group, Inc	(321) 890-7645	4495 B1st St. Vero Beach, FL 32967	reggy@southeasternmarinegroup.com
Andrew Connelly	UESI	772-370-1868	3306 Enterprise Rd Ft. Pierce FL	aconnelly@uesi.com
ROPEY BEAUDOIN	TITAN GENERAL CONTRACTORS	772-473-3165	6850 53rd ST VERO BEACH, FL 32967	BEAUDOINMENT@AOL.COM
Joy Yancy	Summerlin's Marine	772-464-6090	200 Naco Rd Ft Pierce	Summerlinsmarineconstruction@gmail.com