

ADDENDUM NO. 1

TAYLOR ENGINEERING, INC.



INTRACOASTAL WATERWAY – ST. LUCIE
REACH I MAINTENANCE DREDGING AND
BEACH DISPOSAL

ST. LUCIE COUNTY, FLORIDA
FEBRUARY 27, 2017



SUMMARY OF AMENDMENTS TO PROJECT SPECIFICATIONS

00 01 00	Bid Solicitation	Revised Specification included as part of this Addendum
00 41 63	Bid Form	Revised Specification included as part of this Addendum
00 52 00	Contract	Revised Specification included as part of this Addendum
01 11 00	Summary of Work	Revised Specification included as part of this Addendum
01 33 00A	Draft Submittal Register	Revised Specification included as part of this Addendum
01 35 43	Environmental Protection	Revised Specification included as part of this Addendum
35 20 23	Dredging and Beach Disposal	Revised Specification included as part of this Addendum

SUMMARY OF QUESTIONS AND RESPONSES

SURVEY DATA

1. **QUESTION:** Will the engineer please release the survey xyz data to allow bidders the opportunity to properly analyze the required coverage?

RESPONSE: Survey XYZ data is now available on the FIND website.

2. **QUESTION:** The datum referenced throughout the plans and specifications is MLLW, however on page 11 of 16 of Section 35 20 23, Paragraph 3.05B states that vertical cutterhead/draghead positioning must be given in NAVD88 datum. Will the Owner please consider changing this to MLLW?

RESPONSE: A revised specification has been provided with this Addendum.

3. **QUESTION:** Can the Before and After Pay Surveys and Compliance Beach Surveys be performed by a non-licensed surveyor so long as they are overseen by a survey firm licensed to work in the State of Florida, and all submittals are signed and sealed by the same survey firm?

RESPONSE: Yes.

SAFETY

4. **QUESTION:** Will the engineer please provide the minimum qualifications for the Beach Placement Safety Officers required at the discharge end of the pipeline? Will these employees be allowed to conduct other tasks in addition to this responsibility?

RESPONSE: The Beach Placement Safety Officer may have several responsibilities including, maintaining constant radio or telephone communication with the dredge,

possessing the authority to shut down the dredge if conditions warrant, responsibility for providing and maintaining public safety at the beach placement area, and complying with all local, state, or federal regulations concerning public safety, among other things.

5. **QUESTION:** Paragraph 3.07 B of Section 35 20 23 states that the SSHO shall be present on site at all times during placement of dredged materials. Due to the operation being 24/7, will the Owner please consider rewording this so that the SSHO has to be on-site for day-shift but within 20 miles of the project site at all times?

RESPONSE: A designated safety officer shall be present on site at all times during active dredging operations and/or when material or water is being discharged at the beach site. Contractor may designate more than one safety officer during ties when working multiple shifts.

CONSTRUCTION TIMEFRAME

6. **QUESTION:** 01 11 00, Page 1, 1.1, B., 1., States, “The Contractor will have 75 calendar days from the Notice to Proceed to complete the Project.”

Will the Owner/Engineer allow additional time to demobilize dredge pipeline and equipment from the waterways?

RESPONSE: A revised specification has been provided with this addendum to clarify that “The Contractor will have a minimum of 75 calendar days from the Notice to Proceed to complete the beach disposal portion of the project. All equipment must be demobilized from the beach by May 31, 2017. Additional time will be provided to demobilize pipeline and equipment from the waterways.”

7. **QUESTION:** In Section 00 52 00 Page 1 of 6, the specifications state: “Contract shall commence upon effective date of the Notice to Proceed and continue for a period of 180 calendar days.” Further, Section 01 11 00 Page 1 of 2 states: “The Contractor will have 75 calendar days from the Notice to Proceed to complete the project.”

- a. Will the Owner please re-word or delete the phrase in Section 00 52 00 to eliminate confusion on Contract duration?

RESPONSE: A revised specification has been provided with this addendum to clarify that “Unless extended or terminated, the period of performance of the Contract shall commence upon the effective date of the Notice to Proceed and continue for a period of up to **120** calendar days. The Contractor will have a minimum of 75 calendar days from the Notice to Proceed to complete the beach disposal portion of the project. All equipment must be demobilized from the beach by May 31, 2017. Additional time will be provided to demobilize pipeline and equipment from the waterways. The Contractor shall not proceed with Work under this Contract until a Notice to Proceed is received from the District.”

DREDGING AND BEACH DISPOSAL

8. **QUESTION:** In an effort to expedite the beach portion of the Project (and due to the fact that a second project will place additional material on the beach in the fall) will the Owner/Engineer consider simplifying the beach fill template by constructing a berm with only one (1) final elevation

and perhaps adjusting the width of the berm to accommodate the adjustment? This will eliminate several days to over a week of additional grading work from the scope.

RESPONSE: Dependent on schedule and final disposal volume, the Owner/Engineer will consider simplifying the beach fill template. A final template will be agreed upon prior to the pre-construction meeting.

9. **QUESTION:** 35 20 23, Page 11, 3.06, B., 1., states, “Contractor shall plainly mark the pipeline access routes with conspicuous stakes, targets and/or buoys to be maintained throughout the contract operations. Additionally, Contractor shall clearly label the pipeline every 100 ft with signs reading as follows: DANGER – HIGH PRESSURE DISCHARGE LINE.”

Will the Contractor be required to furnish “DANGER” signs every 100 ft for the entire pipeline or does this requirement only apply in certain locations?

RESPONSE: The requirement of “DANGER” signs applies only to upland pipeline access routes passing through areas where the public may encounter the pipe.

10. **QUESTION:** 35 20 23, Page 12, 3.06, D., states, “Contractor shall make daily underwater inspections of the submerged pipeline to ensure buoyancy has not loosened the anchors.”

This is a requirement that we are not familiar with. Currents in the inlet will preclude inspection by divers. Please elaborate on the requirements and proposed methodology for the daily underwater inspections.

RESPONSE: See the revised specification included with this addendum. The term “underwater” has been deleted.

11. **QUESTION:** 35 20 23, Page 10, 3.04, B., 1., States, “A tolerance of 0 inches below and 12 inches ABOVE the specified Limit of Dredging elevation will be allowed.”

Will the Engineer please provide clarification regarding this statement and how it applies to the required dredge elevation(s)?

RESPONSE: Per the Bid Solicitation: dredge elevations “will include excavation of the ICWW channel to target elevations of -14 feet mean lower low water (MLLW) (project depth of -12 feet and 2-foot allowable overdredge) north of the Fort Pierce Harbor Project and -12 feet MLLW (project depth of -10 feet and 2-foot allowable overdredge) south of the Fort Pierce Harbor Project.” North of Fort Pierce Harbor the required depth is -12’ MLLW with 2’ allowable overdredge and south of Fort Pierce Harbor the required depth is -10’ MLLW with a 2’ allowable overdredge.

12. **QUESTION:** Section 01 35 43 Page 3 of 16 states: “*Moved of a work barge or other associated vessels, shall not be performed after sunset, when the potential of spotting manages is negligible*”.

- a. Due to this being a 24/7 operation, and the need to move anchors over-night, will the Owner please consider revising this requirement to allow the Contractor to work a 24/7 schedule?

RESPONSE: This is a condition that will be dictated by the final permit modification, when issued. This will be revised in a subsequent addendum once permit modifications

are received. The Owner and Engineer recognize the necessity to move equipment after sunset during 24 hour operations.

13. **QUESTION:** Paragraph 3.07 B of Section 35 20 23 states that there is a staging area shown on the drawings for Contractor's use. However, the drawings don't show a staging area. Can the Owner please provide the drawing that shows the staging area for this project?

RESPONSE: Drawing C-13 depicts a "Contractor Staging Area" between reference monuments 34.5 and 35. This is the area typically used during periodic beach nourishment events. There is a possibility of one additional staging area closer to the Intracoastal Waterway. If confirmed, this will be shown in a future addendum to these plans.

ENVIRONMENTAL PROTECTION AND MONITORING

14. **QUESTION:** 01 35 43, Page 3, 1.02, C., 2., States, "At least fifteen (15) days before the scheduled pre-construction conference, the Contractor shall supply the resumes of at least two (2) FWC-approved shorebird monitors for the project."

Are two (2) shorebird monitors required on the beach or is this condition meant so that the Contractor will have an alternate available as needed?

RESPONSE: The intent is to have an alternate available as needed. At this time, it is expected that environmental monitoring will be conducted by St. Lucie County's contractor, Ecological Associates, Inc, at the expense of the county. This will be confirmed prior to issuance of the next addendum.

15. **QUESTION:** 01 35 43, Page 5, 1.02, G., 1., States, "Within 20 calendar days after the date of Notice of Award and before construction commencement, The Contractor shall submit a certified copy of Florida Fish and Wildlife Conservation Commission (FF&WCC) permit for handling of sea turtle eggs."

Will the Engineer please elaborate on the Contractor's responsibilities regarding sea turtle nesting surveys, nighttime advance of the beach berm, etc.?

RESPONSE: At this time, it is expected that environmental monitoring will be conducted by St. Lucie County's contractor, Ecological Associates, Inc, at the expense of the county. This will be confirmed prior to issuance of the next addendum.

16. **QUESTION:** 01 35 43, Page 6, 2.03., A. States, "Floating turbidity screens with weighted skirts that extend to within 1 foot of the bottom shall be placed at the dredge site where feasible. The Contractor is responsible for ensuring that turbidity control devices are inspected daily and maintained in good working order so that there are no violations of water quality standards outside of the mixing zone. The Contractor is solely responsible for ensuring that the turbidity screens (1) do not impact seagrasses; (2) avoid manatee entanglement and entrapment; and (3) do not impede manatee movement."

Are floating turbidity screens required "where feasible" or "as necessary" in order for the Contractor to maintain turbidity within the permitted limits?

RESPONSE: Typically floating turbidity screens are determined infeasible in project such as this one. Refer to Specification 01 35 43, Section 3.02, B., for Turbidity Control Requirements.

17. **QUESTION:** 01 35 43, Page 9, 3.02, B., 1., C., 1), Requires compliance samples for turbidity to be taken 150 meters down current or at the boundary of any hard bottom.

Is there any known hard bottom in the Project area? If so, will a map be provided?

RESPONSE: Drawing C-4 shows an area of hardbottom just south of the Seaway Drive (A1A) bridge. The project has been designed to avoid dredging in this area due to presence of hardbottom and utilities. No other hardbottom has been documented within the dredging area.

18. **QUESTION:** How many shorebird monitors are required to be on-site daily?

RESPONSE: At this time, it is expected that environmental monitoring will be conducted by St. Lucie County's contractor, Ecological Associates, Inc, at the expense of the county. This will be confirmed prior to issuance of the next addendum.

19. **QUESTION:** Will the shorebird monitor be required to be on-site during construction activities prior to April 1st?

RESPONSE: At this time, it is expected that environmental monitoring will be conducted by St. Lucie County's contractor, Ecological Associates, Inc, at the expense of the county. This will be confirmed prior to issuance of the next addendum.

20. **QUESTION:** Page 5 of 16 of Section 01 35 43 requires the Contractor to submit a certified copy of FF&WCC permit for handling of sea turtle eggs, however there is no mention of a Sea Turtle Nest monitor required. Can the Owner please provide information in the specifications of the sea turtle nest monitor requirements?

RESPONSE: At this time, it is expected that environmental monitoring will be conducted by St. Lucie County's contractor, Ecological Associates, Inc, at the expense of the county. This will be confirmed prior to issuance of the next addendum.

21. **QUESTION:** Are turbidity curtains and silt curtains required for this project?

RESPONSE: Typically floating turbidity screens are determined infeasible in project such as this one. Refer to Specification 01 35 43, Section 3.02, B., for Turbidity Control Requirements.

22. **QUESTION:** Note 7 on Sheet C-15 states that 24 hours prior to construction, Contractor is to submit a NPDES Permit to FDEP. Can the Owner please confirm that this is a requirement for the current Contract?

RESPONSE: It is the contractor's responsibility to determine whether an NPDES permit will be required, depending on their planned operations.

23. **QUESTION:** Is Vibration Monitoring required for this project?

RESPONSE: At this point, there are no permit conditions requiring vibration monitoring. This may be updated following issuance of the pending permit modifications but is not expected.

INSURANCE AND BONDING

24. **QUESTION:** 00 73 00, Page 2, 6th Paragraph, States, “Insurance carriers must have a Best's “Financial Strength Rating” of at least “A-” and a “Financial Size Category” of a minimum of “VII” and must be admitted in the State of Florida.”

Will insurance carriers with mutual status which are not subject to AM Best Rating be acceptable (ie. Signal Mutual Longshore Workers’ Compensation Insurance)?

RESPONSE: Bid specifications require all insurance underwriters to satisfy the AM Best minimum standards.

25. **QUESTION:** There appears to be no mention of H&M, P&I, Watercraft Pollution, or MEL insurance coverages. *Are these coverages required for the Project and if so, what are the requirements?*

RESPONSE: If these types of coverages are not listed, then FIND does not require them. This is not to say that a bidder should not carry such coverages if it deems them necessary for its protection.

26. **QUESTION:** Section 35 20 23 Paragraph 1.03 (J) states “*It is the Contractor’s responsibility to investigate the location of all utility crossings, via an independent and comprehensive pre-construction utility survey and submit to the Engineer for approval, at least fifteen (7) calendar days prior to any dredging operations.*”

- a. In order to save time, will the Owner please consider removing this requirement due to the availability of the utility survey provided in Appendix A and F, and require the Contractor to “Call Before You Dig”?

RESPONSE: A revised specification 35 20 23 has been issued with this addendum. The Engineer feels that we have conducted a comprehensive utility survey however, “**The Contractor assumes all liability for submerged and buried utility facilities. If any utility damage occurs as a result of its operations, the Contractor shall suspend dredging in the area of the damaged utility until the damage is repaired and resumption of the dredging is approved by the Engineer. The District shall not be responsible for the cost of such damage and repairs regardless of cause – including but not limited to any costs associated with interruption of utility services and delay damages.**”

- b. If the survey is in fact required, will it be due 7 or 15 days prior to dredging?

RESPONSE: An independent pre-construction utility survey will be due 7 days prior to dredging operations.