



SOUTH FLORIDA WATER MANAGEMENT DISTRICT SOLICITATION ADDENDUM

South Florida Water Management District
Attn: Procurement Bureau
B-1 Building, 2nd Floor West
3301 Gun Club Road
West Palm Beach, FL 33406

SOLICITATION NUMBER: 6000000898

ADDENDUM NUMBER: 8

DATE: January 4, 2019

PROJECT TITLE: C43 WEST CALOOSA HATCHEE BASIN STORAGE RESERVOIR – PART 2, HENDRY COUNTY, FLORIDA

This **ADDENDUM NO. 8** is issued for the purpose of providing the information below.

1. DEADLINE FOR SEALED BID SUBMISSION:

REMAINS JANUARY 30, 2019 @ 2:30 P.M.

2. INQUIRY PERIOD: The inquiry period has been extended to January 9, 2019.

3. REFERENCE DOCUMENT: Table with number of signs to be installed under the contract is attached as part of Addendum No. 8.

4. QUESTIONS AND ANSWERS: Attachment 1 to this Addendum No. 8 contains the list of Questions and Answers. Any questions received not responded to in this addendum will be addressed in forthcoming addendum.

Please direct any questions to the Procurement Representative specified below at (561) 682-2521 or bcantrel@sfwmd.gov

Bonnie Cantrell
Lead Contract Specialist
Procurement Bureau

ATTACHMENT 1
SOLICITATION 6000000898- ADDENDUM: 8
QUESTIONS AND ANSWERS

- 1. *Question:*** With reference to the clearing package, please confirm the status. The notes are contradictory, some stating it is complete ('Other Construction' item 4 & 'Clearing and Grubbing' item 1) and some stating in progress ('Coordination' item 7).
Answer: Clearing and Grubbing shall be performed as required in Specification Section 31 11 00.
- 2. *Question:*** Are shortlisted teams allowed to correspond and receive quotes from pre-qualified vendors on other shortlisted teams for the soil-bentonite wall scope of work?
Answer: Yes.
- 3. *Question:*** Drawing C01110 note 3 under contractor laydown area notes states “Contractor employees, including field labor shall be limited to the contractor laydown area. Contractor shall provide transportation to and from the laydown area and job site.” The requirement to bus all employees from the single laydown area to work location throughout the expansive worksite may result in a significant unproductive labor cost to the District? Will the District consider allowing the Contractor to establish multiple satellite parking areas throughout the site for such purpose?
Answer: The District will allow the Contractor to establish multiple satellite parking areas throughout the site. The Contractor shall submit satellite parking area and traffic control plans for District review and approval.
- 4. *Question:*** Specification 01 51 05 Article 3.7.2.1 states “The contractor shall provide a fuel storage area in the Contractor laydown area. Under no circumstances shall fuel oil storage be located within the footprint of the reservoir.” Given the size of the footprint and the amount/quantity of equipment needed to complete the project on schedule, would the District consider allowing the Contractor to establish multiple contained fuel storage areas throughout the footprint of the project?
Answer: The District will allow the Contractor to establish multiple satellite parking areas throughout the site. The Contractor shall submit satellite parking area and traffic control plans for District review and approval.
- 5. *Question:*** Drawing numbers C01146-C01149 show as-built drawings for the LPDD Pump Station 1, please provide as-built drawings for LPDD Pump Stations 2 and 3 for proper bidding purposes.
Answer: As built drawings for pump stations LPDD 2 and 3 are not available.
- 6. *Question:*** Reference pages 2 and 34 of the Generalized Construction Sequencing and Surface Water Control Plan included with Spec Section 011100: Note 11 on page 34 states the contractor will be responsible for the operation of LPDD 1, 2, and 3. According to page two of the referenced plan, the LPDD’s are to be operated until the irrigation bypass system is complete and LPDD 1 will be bypassed by “others”. Please confirm that LPDD 1 will be operated by “others” or provide an estimated completion of the bypass.
Answer: The Contractor will not be responsible for operation of LPDD1.
- 7. *Question:*** We are receiving feedback from possible C-43 SBE subcontractors that they require more time to complete their estimates. The contract requires a mandatory minimum SBE participation of 5%. On a project of this size 5% equates to a very large number. Please push the bid date by a minimum of 1 month to ensure SBE’s have the opportunity to participate in the C-43 project.
Answer: Deadline for sealed bid submission remains January 30, 2019.

8. **Question:** Section 01 22 02 – 1.1.3.2 - Measurement and Payment for the Soil-Bentonite Slurry Wall: a. A-1 – Is to be based on the measurement from Elevation 47.0 to the bottom of the wall termination. The wall is to be constructed in two Phases with Phase 2 terminating 3-ft into the previously installed Phase 1 SB Wall.

- a) Is the 3-ft tie-in considered incidental to the construction of the proposed slurry wall? Please clarify.
- b) A-1 – The SB Wall is to be paid for from elevation 47.0 to the bottom of clay layer. Phase 2 and proposed Gap Closures are to be installed through the constructed dam which is anticipated to settle, thus the construction of the slurry wall will need to be constructed from a working surface that will have allowances for settlement as indicated on Drawing 104 (Drawing C02215). Is this over-excavation to allow for settlement incidental to the work? Please clarify.
- c) A-1 - Will the Contractor's QC Geotechnical Engineer be responsible for verifying the termination depth of the proposed SB Wall? Or will the District be responsible for the determination of the wall depths for measurement and payment? Please Clarify.
- d) B-1 – Excludes the trench excavation, trench backfill, SB Wall overlap. Are these items only related to the Gap Closures or the proposed Work Arounds? Please Clarify.
- e) B-11 – Excludes the SB Specialist? Should the SB Specialist be part of the SB installation? Please Clarify.

Answer: Section 01 22 02 has been revised as part of the Corrected/RTA Submittal. The Contractor is referred to the revised submittal. Other responses are provided below. This pay item has been provided to account for potential variations in the elevation of the top of the clay layer.

- a) The 3-foot vertical tie in between Phase I and Phase II SB Walls is incidental to the work.
- b) Allowances for settlement shall be considered as incidental to the work.
- c) The Contractor's QC Geotechnical Engineer shall be responsible for determining the target elevations for the bottom of the Phase I and Phase II SB Wall installations for measurement and payment.
- d) These items are excluded from the unit rate pay item for all of the SB Wall installation and is not only related to Gap Closures and Work Arounds.
- e) The cost to the Contractor for the SB Wall Specialist is considered to be incidental to the SB Wall installation and is included in the Lump Sum cost for the work.

9. **Question:** Soil Bentonite Slurry Wall - Specification Section 31 56 13:

- a) a. 1.3.13 –Proof of Concept. Are there minimum length requirements for the “Proof of Concept Demonstration”? Will the demonstration be required to demonstrate all phases of SB Wall installation including Gap Closure installation?
- b) b. 1.5 G-8 Phase 1 Soil Bentonite Wall is to be constructed upon completion of a work platform including the placement of the select fill and Phase 2 of the SB Wall is to tie-in to the previously installed Phase 1 Wall. Is it the intent to tie directly into the previously placed wall or is it to tie-in to either the Phase 1 SB Wall and/or installed select fill? Please clarify.
- c) 1.6 The contractor is to prove the manufactures' certificates for each load of bentonite shipped and used for the project. Additionally, the specifications indicate the bentonite will be sampled and tested in accordance with APU Spec 13B. Will the provided manufactures' certificates meet this requirement, or will each lot be required to be tested at the site? Please Clarify.
- d) 2.1 The specifications indicate water sources on-site may be utilized to produce bentonite slurry. Will the contractor be required to obtain a water use permit?
- e) .2 The excavator shall have the capability to excavate at least five feet deeper than the maximum elevation on the plans. The deepest depth indicated is 57-ft at 1072+00, thus the excavator should be capable of reaching 62-ft. Is this to include the allowance of the anticipated settlement? Would the excavator requirement for capability be based on this depth for the entire project regardless of location?

- f) 3.3 A. The specifications indicate that when the slurry wall is to be re-excavated, the minimum overlap is 10-LF for inactivity or in the case of repair.
 - i. Please define inactivity.
 - ii. The drawings (Sheet 84 – C01174) indicate a minimum overlap of 20-ft for work arounds or gap closures. Please clarify.

Answer: See parts a) through f) below.

- a) The SB Wall Proof of Concept shall be at least 1,000 feet long in plan view and shall be continuous. The Proof of Concept shall demonstrate both Phase I and Phase II SB Wall construction, inclusive of the Phase I Work Pad and the Phase II SB Wall Cap. Gap Closure installation shall not be required as part of the Proof of Concept.
- b) The intent is to tie the Phase II SB Wall into the previously placed Phase I SB Wall, using the Select Fill Work Pad as a buffer to account for the potential for mis-alignment of the Phase II SB Wall.
- c) Each LOT of bentonite delivered to the site will be required to be tested at the site.
- d) The Contractor may be required to obtain a consumptive use permit.
- e) The Contractor shall provide at least one excavator with the ability to excavate to the deepest depth required for the work. No additional compensation will be provided for moving such equipment on the project site.
- f) Parts i. and ii. below.
 - i. Inactivity is defined as more than 24 hours duration between active excavation and placement of the SB Wall.
 - ii. The minimum overlap shall be 10 feet for inactivity and/or repair, and 20 feet at Gap Closures and Work Arounds.

10. Question: Geotechnical Site Characterization Report 5.4 Soil-Bentonite Mix Design. The report indicates backfill mixtures were prepared from composite samples collected from auger boring adjacent to the core borings. The samples were used to provide information for the proposed soil-bentonite slurry wall. Since these samples were a composite sample from existing grades this would represent Phase 1 of the slurry wall.

- a) Can additional details of the composite soil properties (i.e. – Gradation, Atterberg Limits, Density ...) and bentonite slurry be provided?
- b) Were similar tests performed that would replicate Phase 2 of the proposed slurry wall since this is to be constructed through the newly constructed embankment material consisting of predominately of sand?
- c) Dry bentonite was added to the soil in different percentages. Was the bentonite added by dry or wet weight of soil?
- d) Please provide the assumed weight of soil.
- e) Will the contractor be required to add 2% dry bentonite addition to soils (By weight of soil) for soil-bentonite backfill?

Answer: See parts a) through e) below.

- a) The samples referred to had a range of materials passing the No. 200 Sieve in the range of 14 to 26 percent. However, the Test Cell Summary Report (which was provided in a previous addendum) includes additional laboratory testing data for the SB Wall backfill materials that were used for that project.
- b) Similar tests were not performed that would be representative of the soils excavated for the Phase II SB Wall.
- c) Not known but expected to be based upon dry weight of soils.
- d) Dry densities in the range of approximately 82 to 87 pounds per cubic foot.
- e) The specification requirement is intended to limit a maximum permeability of the SB Wall backfill material. The amount of dry bentonite to be added is up to the contractor.

- 11. Question:** Reference to Specification 33 46 13 part 3.1.6.6: Please clarify the definition of ‘disturbing’. The schedule impact if we are required to wait for the cement to set about one joint prior to moving to the next is significant. Please define a limit to movement or vibration.
Answer: Disturbance is defined as any movement that has potential for breaking the cement bond prior to setting. The Contractor will be held to the Manufacturer's recommended set times. However, if during Proof of Concept, the Contractor can demonstrate that the set times can be successfully foreshortened, the revised procedure would be considered acceptable.
- 12. Question:** Specification 02 41 00 Article 1.5.6 references “Coordinate with Waste Management Plan” and Article 3.1.6 states “Provide separate containers to collect scrap metal and transport to a scrap metal collection or recycling facility, in accordance with the Waste Management Plan.” Please provide clarity to whether this plan is submitted by the Contractor or provided by the District.
Answer: Paragraph 1.6 of specification section 01 35 40 – Environmental Protection, requires the contractor to prepare and submit an Environmental Protection Plan (Work Plan) for review and acceptance. Paragraph 1.6.L of that same specification section states that a “Recycling and Waste Management Plan” be a part of the Environmental Protection Plan (Work Plan).
- 13. Question:** Reference Drawing C28716, general note 1: The note indicates Table 1 provides required signage installation. Please, provide the Table with number of signs to be installed under the contract.
Answer: The table is attached as part of Addendum No. 8 and will be added to the conformed drawings.
- 14. Question:** Specification 31 00 00 1.3.1 – States essentially that materials excavated from the site and used in the embankment will require screening. In accordance with Section 01 11 00 1.8.3.8 – it is assumed that all excavated materials from the site are adequate to meet the needs for embankment fill, select fill, and clean sand. Please clarify - Is the contractor to assume that all excavated materials are to be screened?
Answer: No.