



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

REQUEST FOR BID (RFB) NUMBER: 6000000760

ADDENDUM NUMBER: 3

DATE: February 9, 2017

PROJECT TITLE: Lake Hicpochee Shallow Storage and Hydrologic Enhancement Project, Glades County, FL

Deadline For RFB 6000000760 Remains Tuesday, February 21, 2017 @ 2:30 p.m.

This **ADDENDUM NO. 3** is issued for the purpose of providing the information below.

TECHNICAL SPECIFICATIONS

1. **TECHNICAL SPECIFICATION SECTION 01640:** Delete Paragraph 3.01.A.1.a. from Technical Specification Section 01640 and replace with the following:
 - a. All required lubrication, fuels, supplies, power, consumables, water, and labor for the duration of start-up and testing, including any fuel re-fills after testing completion, and until Substantial Completion of the WORK.
2. **TECHNICAL SPECIFICATION SECTION 02439:** Paragraph 2.03 Pipe Thickness: Delete Pipe Size (inches) 57"x38" U.S. Gauge NO.10 from the paragraph.
3. **TECHNICAL SPECIFICATION SECTION 01010:** Delete 1.03 A. 3. And replace with the following:
 3. Expansion and repairs to the existing C-19 levee, including deficiencies within the project limits noted in Part VI, Conclusions and Recommendations, Section 2 Items 2.1-2.6 of the U. S. Army Corps of Engineers Final Periodic Inspection Report, C-19 West Levee System, dated September 10, 2014. Expansion of the C-19 Levee shall require hauling of material from canal excavations.

DRAWINGS

1. **DRAWING E006:** Revise keyed note 6 to read "REFER TO DRAWING **I008** FOR DETAIL REGARDING INSTALLATION OF PVC STILLING WELL."
2. **DRAWING S018:** Replace callout "TOW EL 11.42'" with "TOW EL 15.00'"
3. **DRAWING C018:** Add "Similar to Headwater Staff Gauge" below current staff gauge callout.

QUESTIONS AND ANSWERS

1. ***Question:*** I have tried several times to download the Plans for Addendum 1, (Civil Base_MDH_1-20-17.dwg), concerning the bid mentioned above and it will not allow me ... the message says that the file is damaged, possibly not correctly decoded...
Answer: Bidder needs proper software from Autodesk to open and use the DTM file. DTM files are provided for reference only, are provided as-is, are not contractual documents, and do not replace the CONTRACTOR's due diligence in bid preparation.

2. **Question:** On plan page C017, the “DRAINAGE FILL DETAIL” calls for FILTERED SAND and GEOTEXTILE FABRIC. Would the Engineer please provide a specification for the GOETEXTILE FABRIC that is need to incase the FILTERED SAND on the 60” HDPE “PRIVATE DRAIN CULVERT”?

Answer: *Geotextile to be 12oz Filter Fabric as defined in Technical Specification Section 02370 2.03 Filter Fabric.*

3. **Question:** Concrete pile: Note #6 on drawing S035 indicates all prestressed concrete pile are 40 feet long “unless noted otherwise”. Drawing S037 provides a schedule for pile length based on Top and Tip elevations indicating all piles are less than 30 feet in length. Please confirm pile lengths for the project are pursuant to S037 schedule lengths.

Answer: *The pile information provided in the schedule on drawing S037 is correct.*

4. **Question:** Concrete Pile: Note #6 on drawing S035 indicates the pile are to be coated with a cementitious crystalline coating per 09900 System C-3. Please confirm this can be a field application.

Answer: *This can be field applied.*

5. **Question:** Staff Gauge: Drawing C018 indicates a Staff Gauge on a Concrete Pile just northeast of the control structure G-726 and references drawing I002 for further information. Drawing I002 notes and schedule are silent on this particular Staff Gauge and Pile, rather only the gauges and pile at the Pump Station are scheduled on I002 and S037. Please provide necessary detail for the construction of the G-726 gauge and pile.

Answer: *Drawing C018 has been revised to call for a staff gauge similar to the headwater staff gauge shown on drawing I02. Please see No. 3 of the Drawings above.*

6. **Question:** Sheet Pile Tie Rods: we are unable to find a specification or drawing note related to the grade of steel for the tie-rods. Please confirm that Grade 75 Steel is acceptable for this application.

Answer: *Technical Specification Section 02262, paragraph 2.01.F indicates that the tie rods shall conform to ASTM A572 for 50 ksi yield stress. Please refer to Article 22 of the Instructions to Bidders and Article 6.05 of the General Terms and Conditions.*

7. **Question:** Concrete Ready Mix: with reference to Drawing S001 General Note 1. A.4, please identify what is meant by “non-structural mass concrete”. Specifically what the word “mass: means in this context.

Answer: *This is in reference to concrete for other disciplines, such as concrete ductbanks, fence foundations, etc.*

8. **Question:** Mass Concrete Controls: we find no mention in the specification or drawing notes related to a requirement for mass concrete control monitoring and recording though the minimum sections of 42”, such as the foundations for G725 and G726, often require control and recording. Please confirm mass concrete control monitoring and recording is not a requirement of this project.

Answer: *Mass concrete control monitoring and recording will not be required on this project. It will be the responsibility of the contractor to provide a quality concrete finish, this should be capable by controlling the concrete placement temperature and proper curing. Refer to Technical Specification Section 03300.*

9. **Question:** Concrete Waterproofing: Section 03050 prescribes crystalline waterproofing admixture integral to ready mix concrete for concrete indicated in 03300 as “all concrete for water control structures that will be underwater”. Moreover, Section 09900 PROTECTIVE COATINGS, also prescribes Coating System C-3, surface applied crystalline waterproofing coating at both interior and exterior concrete of water retaining structures. Accordingly, all water retaining structures will

have both a concrete waterproofing admixture and surface applied waterproofing coating. Please confirm this is the intent of the contract.

Answer: *Per Technical Specification Section 09900, paragraph 2.04.B indicates that coating system C-3 will only be applied to Pre-stressed concrete piles. All other concrete will receive the admixture per Technical Specification Section 03050.*

10. **Question:** Specification Section 01010; Paragraph 1.05-B states the District will provide and install the Digital Encoder for the stilling wells and that the Contractor is responsible for providing all float switches. Please address the following questions concerning the Digital Encoder:

- a. Please provide specifications and installation details for the float switches the Contractor is to supply. (These are not shown on drawing I006)
- b. Does the District supplied H-3301 Digital Encoder scope of supply include all Items 1 to 9 as shown on the “Stilling Well Enclosure Components” chart at the bottom of page I006?
- c. Will the District also provide the Stilling Well Enclosure as shown on drawing I007?

Answer: *a: Refer to sheet I008, keyed note 6 for float switch specification.*

b: All components associated with the digital encoder will be provided and installed by the District. The Contractor shall supply keyed items 1, 3, and 6.

c: No, the enclosure is to be supplied by the Contractor.

11. **Question:** Specification Section 01010; Paragraph 1.05-A states the District will fabricate, install and test the RTU, while the Contractor shall provide and install the RTU enclosure. Please clarify from drawings E018 and E019 what constitutes the “RTU enclosure” and if the Contractor is only required to provide Items 4 to 9 on the RTU System Component Table on drawing E019.

Answer: *The intent of E018 and E019 is that everything shown in the detail and on the table is to be provided and installed by the contractor, and that the District will provide the RTU (PLC, wireway, terminal blocks, power supplies, etc...) pre-mounted to a back panel that will be installed in the enclosure provided per the detail, see Equipment Note 14 on E019. To clarify the “Contractor Furnished” on items 4 through 9 is to say that there is not a preselected manufacturer for the phenolic nameplates, only that they are to be provided in accordance with General Note 6 on E019.*

12. **Question:** Specification Section 01590; Paragraph 2.01-C-2-j lists the network requirements for the office equipment. Please clarify the following:

- a. The sections states “for each District furnished computer”, but the specifications do not provide the quantity of District computers. Please clarify the number of District computers. Also, please clarify if these are computers the Contractor is to supply.
- b. Please confirm if T1 or ISDN service is available to the construction site.

Answer: *a. The District will furnish three computers for District use.*

b. It is not known if T1 or ISDN service is available.

13. **Question:** In reference to the response to Question 18 from Addendum No. 1, the Duda pump station was observed during the January 31, 2017 site visit. But there were some components of this pump station that were not observable. The pumps sat inside a well of unknown depth and the pump discharge pipe transitioned to underground and its layout from there is unknown. Without clearly defined limits, what constitutes the “pump station remnants” is open to interpretation. Please clarify if the pump well needs to be removed (and to what depth of removal) and please clarify the limits of demolition of the discharge pipe and provide as-built drawings showing the route of this pipe.

Answer: *All remnants of the pump station shall be removed including the pipes, concrete pads, metal well, and misc. metals. No as-built drawings are available.*

14. **Question:** Please clarify that the building permits for the temporary field offices are the only permits required for the Contractor to pay for.
Answer: *The contractor is responsible for all permits required for construction of the project. The District has obtained all environmental permits.*
15. **Question:** The DTM AutoCAD file that was provided in Addendum 1 (line work) doesn't seem to match the corrected final plans (pdf). Seems that the AutoCAD file is a preliminary.
Answer: *To properly display the finished grade design DTM, please turn the surface display for SFWMD FG to “_No Display” and turn the surface display for SFWMD FG (1) to “contours 1’ and 5’ design”. DTM files are provided for reference only, are provided as-is, are not contractual documents, and do not replace the CONTRACTOR’s due diligence in bid preparation.*
16. **Question:** Reference specification section 13200-LPG Fuel System for Emergency Generator. Please provide the name of the L.P. Gas supplier that the County currently contracts with to provide their L.P. Gas.
Answer: *District current LPG gas supplier for Clewiston Field Station is Suburban Propane.*
17. **Question:** Reference specification section 11286-Flap gate. Please provide a make, model and manufacturer for the flapper gates.
Answer: *No specific manufacturer recommended. Flap gates should meet the requirements of Technical Specification Section 11286.*
18. **Question:** Reference specification section 13200-LPG Fuel System for Emergency Generator. Please advise who will be responsible for the first fill of the 1000-gallon LP gas tank.
Answer: *The contractor is responsible for initially filling the tank per Technical Specification Section 01640 paragraph 3.01.A.1.a. Please see No. 1 of Technical Specification Section above.*
19. **Question:** Reference specification section 13200-LPG Fuel System for Emergency Generator. Please advise as to who is responsible for the refill of the LP gas tank after the generator testing.
Answer: *The contractor is responsible for re-fill of the tank per revised Technical Specification Section 01640 paragraph 3.01.A.1.a. After Substantial Completion of WORK, the DISTRICT will be responsible for refills. Please see No. 1 of Technical Specification Section above.*
20. **Question:** Reference drawing S019, Section Z. Section Z notes the elevation of the wall at the end of the north channel as “TOW EL 15.00”. Drawing S018 notes this same wall as “TOW EL 11.42”. Please clarify the correct top of wall elevation for this wall.
Answer: *The top of wall elevation of 15.00’ on drawing S019, Section Z is correct. Please see No. 2 of the Drawings above.*
21. **Question:** Reference drawing C010. Drawing C010 shows muck removal to construct the spreader canal. Can this material be utilized onsite in the levees or is the intent to remove material off-site?
Answer: *Material to be handled according to Technical Specification Section 02200. It would be considered unsuitable materials and cannot be used for levee construction. It can be disposed to the interior of the shallow storage area and spread as part of land leveling operations.*
22. **Question:** Reference specification section 01510-Temporary Utilities and Facilities, Part 3, Section 3.01 “Temporary Utilities”. Please confirm the contractor bears responsibility for the cost of extending the existing electrical service to the temporary field offices as well as paying for all power consumption costs.
Answer: *Confirmed.*

23. **Question:** The Insurance Requirements Checklist does not indicate that the general contractor is to provide builder's risk insurance. Please confirm that the owner is not requiring the general contractor to provide builder's risk insurance.
Answer: *Builder's Risk Insurance is not required.*
24. **Question:** The specification section 1010 article 1.07 B. references the contractor shall be responsible for maintaining the access road through Duda lands in good condition, including grading and drainage. What is the exact limit of this access road (how long is it)?
Answer: *Distance from project access point at US Highway 27 to project construction as shown on drawing C004 is approximately 3070 LF.*
25. **Question:** Article 1.09 B states "Prior to completion of the Private Drainage Culvert and facilities described in section 01010 1.09.D.1., the CONTRACTOR shall maintain access and allow operation by Duda of the two drainage canals and adjacent flashboard risers, and the existing 30,000 gpm pump station identified on the Contract Drawings. CONTRACTOR shall maintain access to the pump station via the access road on the south side of the southern east-west ditch until construction of the Private Drainage Culvert has been completed and a sufficient portion of the Spreader Canal has been completed to receive discharges from the relocated pump station (by Duda) as shown on the Contract Drawings." Which two drainage canals are being referenced where the access roads need to be maintained? Are they the two north south drainage canals? One from the northwest corner to the Duda Pump Station by others, and the other being the C-19 Canal? What about the east west road at the north end of the project in between them, does it need to be maintained as well? Are the maintenance requirements the same for the access roads referenced in section 1010 article 1.07 & 1.09?
Answer: *See Drawing D001 for the locations of the canals that must be left open for Duda drainage. There are no maintenance requirements for any roads internal to the project except that the road located on the south side of ditch 5 on D001 must be kept open and passable so that Duda can access their pump as described.*
26. **Question:** It appears in Article 1.09 D. 1. The amount of time the access needs to be maintained for Duda's use is dependent on how quickly the construction of the Private Drainage Culvert and the relocation of Duda's pump station takes. What maintenance requirements are required after that work is completed?
Answer: *Maintenance of any internal road is not required except as described in the answer to Question No. 25 above. The contractor may maintain roads if required for his own use.*
27. **Question:** Can the District provide CAD Files for the earthwork/grading areas?
Answer: *Please refer to Addendum No. 1 Question No. 6.*
28. **Question:** Section 11213, 1.10 MEASUREMENT AND PAYMENT states: The Contract provides cost allowances for the major equipment as indicated in SECTION 01020 and as defined herein. The allowances are to cover the cost of the equipment and ancillary components. All incidental CONTRACTOR costs for installation and commissioning the pump shall be included in the CONTRACTOR's bid. In addition, the CONTRACTOR shall include in his bid all overhead, profit, bond costs or other related cost. These items will not be paid out of the allowance. Should the net cost of the equipment be more or less than the specified amount of the allowance, the Contract Sum will be adjusted accordingly by change order. Approval of net cost is required if over the allowance amount. The equipment to be supplied under this SECTION including spare parts and special tools shall be included in the "Major Equipment Allowances" shown on the bid form. The payment for the equipment shall be in accordance with the schedule presented in SECTION 01020. Section -1020 does not include any allowance basis for any major equipment items. Please clarify if cost allowances for major equipment is to be included in the RFB.

Answer: Please refer to Addendum No. 1 question No. 13.

29. **Question:** The District issued Addendum #1 on Friday and Addendum #2 today. Would the District please extend the Question and Answering Period for several days in order for Contractors to have an opportunity to review both these Addendums and seek any clarifications or ask any follow-up questions.....

Answer: The inquiry period will not be extended.

30. **Question:** Two areas, within the area to be leveled, appear to be bodies of water which are not addressed in the plans. One looks like a wetland (located about midway down the Degrade of Ditch 1) and the other is a cow well (in the Southwest corner of the site). Will these two areas need to be dewatered and backfilled to elevation 12.9,' or should they remain?

Answer: Both areas should be backfilled as part of the land leveling operations. Dewatering is not required unless required by the contractor.

31. **Question:** There is no supporting documentation for the various Appendices within the Environmental Site Assessments, i.e. wetland map, soil survey map.

Answer: Reference materials are provided for reference only, are provided as-is, are not contractual documents, and do not replace the CONTRACTOR's due diligence in bid preparation

32. **Question:** Per Section 02221 3.03 B: In the event unstable or unsuitable bedding material is encountered at or below the pipe bedding level, the CONTRACTOR shall remove such material and replace it with suitable material. Does this event qualify for additional compensation?

Answer: Unsuitable materials are not expected to be encountered below pipe bedding levels.

33. **Question:** In the Summary of Work, Section 1.03 Item A.3. references USACE C-19 inspection report. Please confirm Part VI, Conclusions and Recommendations is the section to be followed, as opposed to the noted Part IV in Section 1.03, A.3. Additionally, is the Contractor responsible for items listed on the deficiency report that are not specifically addressed in the plans? For example, is the contractor responsible to mow/maintain the existing grasses on the levee slopes and install sod in areas mentioned in Section V of the USACE report? Finally, should no provision be carried in the bid for the remediation of animal burrows in the side of the levee as Item 2.7 in the USACE report is not included in Section 1.03, A.3 of the technical specifications?

Answer: Please see No. 3 of Technical Specification Section above. No, the contractor is not responsible for mowing the levee slope on the C-19 side. Sod should only be placed as shown in the typical section on Drawing C011. As noted in the USACE report, most deficiencies are located on the landside slope of the levee which will be reworked and expanded as part of the project.

34. **Question:** From station 115+93 to station 164+82 of the Perimeter Berm Alignment, the coordinates given in the alignment data do not coincide with the alignment shown in the plan view on sheet C007. Please note the scaled distances between the R/W line and the alignment at the match line of C007 and C008. When these sheets are georeferenced correctly, all other lines shown continue seamlessly except for the alignment. Is the error in the plan view on C007, or is there an error with the alignment data?

Answer: There appears to be a discrepancy in the alignment data in the Construction Baseline Curve Data table. This only affects the layout during construction and does not affect earth work quantities.

35. **Question:** STORM DRAIN SYSTEM – CORRUGATED METAL PIPE, paragraph 2.02 says that ALL joints shall be welded either prior to delivery or in the field. Are CMP pipe bands acceptable to join the sections of CMP pipe?

Answer: Refer to Technical Specification Section 02439, all joints must be welded as specified.

36. **Question:** What gauge aluminum CMP is required for the 12” CMP Stilling Wells?
Answer: *Refer to Typical Railing-Supported Stilling Well Detail, Drawing Sheet I008.*

37. **Question:** In the CORRUGATED METAL PIPE specifications, paragraph 2.03 calls out for, “PIPE SIZE (INCHES) 57” x 38”, 10 GAUGE PIPE. The same spec section calls out for PIPE SIZE (INCHES) 48”, 12 GAUGE. Are these two different pipes or are they both the same?
Answer: *Please see No. 2 of Technical Specification Section above.*

38. **Question:** Does the 48” CMP pipe need to be arched or round?
Answer: *Round. Please see No. 2 of Technical Specification Section above.*

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

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