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: 7** **DATE: January 2, 2019**
PROJECT TITLE: C43 WEST CALOOSAHATCHEE BASIN STORAGE RESERVOIR – PART 2, HENDRY COUNTY, FLORIDA	

This **ADDENDUM NO. 7** 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. **TECHNICAL SPECIFICATIONS:** The track changes version of the specifications is attached as part of Addendum No. 7.

4. **QUESTIONS AND ANSWERS:** Attachment 1 to this Addendum No. 7 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: 7
QUESTIONS AND ANSWERS

1. ***Question:*** Article 14.08 and 14.09 provide for an incentive payment and an incentive bonus for completing by the Substantial Completion Date. However, a list of events including change orders, differing site conditions, District-caused delays which would typically extend the Substantial Completion Deadline, shall not extend the Substantial Completion Deadline for calculating the incentive payment or incentive bonus, thereby eviscerating the ability to recover the incentive payment and incentive bonus. Bidder requests that such exculpatory language be deleted. Further payment of an incentive payment or incentive bonus should not require that all claims be settled by the Milestone Date. Bidder requests the District modify these provisions accordingly.
   Answer: As stated in the Supplemental Conditions, Article 14.08 and 14.09 are not applicable.

2. ***Question:*** Specification Section 33 46 13 Foundation Drainage System, Section 3.1.6.6 Handling Pipe-Fitting Joints: "Do not disturb the pipe-fitting joint until after the joint has set." All manufacturers of PVC solvent cement meeting the requirements of ASTM D2564 use the same table titled "Average Handling/Set-up Times for PVC Solvent Cements." For temperatures between 60°F-100°F and pipe diameter of 10"-16", a 2-hour set time is recommended. For temperatures between 60°F-100°F and pipe diameter of 18"+, a 4-hour set time is recommended. This table also has a note that states "In damp or humid weather, allow 50% additional time." Please clarify if the Contractor will be held to the Manufacturer's recommended set time, as this greatly influences the linear footage of pipe that can be continuously installed each work day.
   Answer: The Contractor will be held to the Manufacturer's recommended set time. 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.

3. ***Question:*** Specification Section 31 00 00 Earthwork, Section 1.3.22 states: "Earthwork operations shall not commence until the Dewatering Plan is approved. The Contractor shall allow 45 calendar days in the schedule for the District's review." Please clarify which earthwork items this applies to?
   ***Answer*:** The Contractor shall anticipate that the Dewatering Plan includes (at a minimum) the following elements of construction: lowering of groundwater and/or surface water in any area to create a dry working surface, dewatering for ditch/canal reclamation and backfilling, dewatering for reclamation and backfilling of major canal crossings such as the Header, Roberts and Banana Branch Canals, dewatering associated with sheetpile supported excavations and/or earthen cofferdams for construction of hydraulic control structures, dewatering associated with removal of existing LPDD pumping stations, installation of the Pressure Relief System and pumping associated with the management of stormwater and/or surface water. The Contractor is cautioned that dewatering plans are called for elsewhere in the specifications, and the requirements of those specifications must be followed.

4. ***Question:*** Drawing I02704, Item 4I in the Bill of Materials requires an Andrew DB583-Y Antenna for the CR1000 RTU's. Drawing I02703 and I02602 required DB499 K antennas. Drawing I28701 identified the antenna as a DB473A. Please clarify.
   ***Answer*:** All antennas should be model DB499 K. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

5. ***Question:*** Drawing I02704, Item requires a Campbell Scientific CS100 barometric pressure sensor to be installed at RTU's C433065-CS and C432345-CS. Drawing I02705 says to install the barometric sensors at C433085-CS and C432345-CS. Drawing I02706, Item 39 requires a Geokon

4580-1 vibrating wire barometric pressure sensor. Please clarify the model and locations of barometric pressure sensors.
***Answer*:** The CS100 barometric pressure sensor should be used at both the C433065 and CS432345 locations. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

6. ***Question:*** Drawing I02704, Item 1A requires a 30”x24”x8” Hoffman enclosure for the CR1000 Embankment Monitoring RTU’s. Drawing I02706, Item 5 requires a 24”x20”10” Hoffman enclosure. Please clarify.
Answer: The item in question should measure 30”X24”X8” for the RTU enclosure. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

7. ***Question:*** Drawing I02708 provides the details of the District’s typical fold down mast mounting bracket. Drawing I02705 shows the details of the 3-pole mast without a fold down mast. Please clarify.
***Answer*:** The 3-pole mast shall not be a hinged system.

8. ***Question:*** Drawing Number E12101, sheet 810 of 948, Keyed Note 4 states “Contractor to trench 2-4” PVC SCH40 conduit to S-471” with a match line callout to Drawing E13101. Drawing Number E13101, sheet 817 of 948, Keyed Note 5 states “Contractor to trench 2-4” PVC SCH40 conduit (provided by SFWMD)” with a corresponding match line callout to Drawing E12101. It is unclear whether the contractor is responsible for providing a portion of the bus duct materials with SFWMD supplying the balance or if all 4” PVC SCH40 conduit from S-470 to S-471 is provided by SFWMD. Please provide clarity to the limits of Owner supplied materials for this installation.
***Answer*:** The Contractor shall provide all the 4” PVC Sch40 material between S-470 and S-471. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

9. ***Question:*** Drawing Number E17101, sheet 830 of 948, Keyed Note 7 states “Contractor to trench 2-5” PVC SCH40 conduit provided by FPL, to S-473” however there are not callouts for keyed note 7 on the drawing. Keyed Noted 3 on this drawing states “Contractor to trench 2-5” PVC SCH40 conduit provided by FPL, to S-475” with callouts from the FPL pole at the site access bridge to S-475. Please provide clarity on the extent of the second 5” conduit to be installed per keyed note 7 on Drawing E17101.
Answer: The second 5” conduit will be added to the single run planned between the pull box at the north end of the center line of the separator dam to the transformer pad located at S-473. The material for the bridge conduit system (UN-10.0.2 and UN-10.0.3) at both bridges will be provided by FPL.

10. ***Question:*** Drawing Number E28601, sheet 870 of 948, General Note 3 states “Provide pole mounted luminaires as required to average one-foot candle within the project area with a maximum:minimum ratio no greater than 10:1. Increased light levels and vertical foot candles may be required at sites using CCTV cameras. Coordinate design with camera specifications as required. Provide motion activated luminaires only at locations designated by the District as high security…”. The extent of exterior lighting is directly linked to the Districts definition of project area and the limits there of. Please provide clarity on the Districts definition of the project area (i.e. access roads, structure limits, public access, etc).
Answer: There will not be any CCTV cameras on this BP4 project. The areas involving the lighting levels should be defined as around the control building and on the structure platforms. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

11. ***Question:*** Drawing I02704, Item 4I in the Bill of Materials requires an Andrew DB583-Y Antenna for the CR1000 RTU's. Drawing I02703 and I02602 required DB499 K antennas. Drawing I28701 identified the antenna as a DB473A. Which his correct?
***Answer*:** All antennas shall be model DB499 K. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

12. ***Question:*** Drawing I02704, Item requires a Campbell Scientific CS100 barometric pressure sensor to be installed at RTU's C433065-CS and C432345-CS. Drawing I02705 says to install the barometric sensors at C433085-CS and C432345-CS. Drawing I02706, Item 39 requires a Geokon 4580-1 vibrating wire barometric pressure sensor. Please clarify the model and locations of barometric pressure sensors.
***Answer*:** The CS100 barometric pressure sensor should be used at both the C433065 and CS432345 locations. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

13. ***Question:*** Drawing I02704, Item 1A requires a 30"x24"x8" Hoffman enclosure for the CR1000 Embankment Monitoring RTU's. Drawing I02706, Item 5 requires a 24"x20"10" Hoffman enclosure. Which is correct?
***Answer*:** The item 5 in question should measure 30"X24"X8" for the RTU enclosure. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

14. ***Question:*** Drawing I02708 provides the details of the District's typical fold down mast mounting bracket. Drawing I02705 shows the details of the 3-pole mast without a fold down mast. Which is correct?
***Answer*:** All 3-pole mast systems shall be fixed and not hinged.

15. ***Question:*** Drawing I02801, Note 5 states to put the Geokon surge suppression at the wellhead. Drawing I02706, Item 40 shows a separate enclosure below the CR1000 Enclosure to house the Geokon lab-3 surge suppression. Which is correct?
***Answer*:** Both are correct. The plan is to install surge suppressors on both ends to protect the piezometer and the RTU units.

16. ***Question:*** Drawing I28707 provides details of a 45' tall concrete pole that will hold antennas and solar panels. Please specify which structures this pole is to be used on and which structures get the solar panels mounted on a fold down mast as shown on Drawing E28701.
***Answer*:** All of the 45' concrete poles will have both the antennas and the solar panels. The building mast shown on E28701 is a fixed mount and not hinged and has both the antennas and the solar panels.

17. ***Question:*** Drawing S28738 provides details of a concrete base for the 3-pole mast. Please clarify when this base is to be used versus the bases as shown on Drawings I02705, I20701, and I28713.
***Answer*:** The concrete base for the 3-pole mast shall all yield to S28734 for details.

18. ***Question:*** Embankment monitoring 3-pole mount details for the instrumentation enclosures are provided in Drawings S28738, I02705, I20701, and I28713. Please clarify which detail to use.
Answer: The concrete base for the 3-pole mast shall all yield to S28734 for details. The structure detail should refer to I02705 for embankment monitoring and to I20701 or I28713 for solar powered gate monitoring.

19. ***Question:*** Drawing S28723 shows an Auto Sampler enclosure on the platform. Auto Sampler's and/or Auto Sampler enclosures are not mentioned anywhere else in the plans and specifications. Are these required? If so, please provide details of the autosampler enclosure and required make/model of the auto sampler.
***Answer*:** There are no Auto Sampler's or enclosures required for BP4 project. Drawings will be updated in the conformed drawing set to reflect this clarification that will be provided after bid award.

20. ***Question:*** The piezometer schedule in Drawing I02601 identifies an RTU along the Townsend Canal as TC2016-CS. This RTU is not shown in the plan view on Drawing I02102.
***Answer*:** TC2012-CS is the correct RTU unit for both the bore holes at MM 2016+00 and 2012+00 found on drawing I02102.

21. ***Question:*** Page 3 of the RFB provides a list of "Owner Furnished Equipment". Drawing I28703 has a note that states that the electrical components of the stilling well will be District furnished and installed but the starboard will be contractor furnished and District installed. These components are not on the Owner Furnished Equipment list on page 3 of the RFB. Please clarify which components the district is providing and installing. If the Contractor is to provide and install the stilling well instrumentation, please specify the exact number of WaterLog H-3341 shaft encoders are to be installed by the contractor.
***Answer*:** Contractor shall provide and install the enclosures and wiring as show on the drawings. The District will provide and install the internal equipment for RTU's as listed in the RFB as well as connecting to the contractor supplied wiring. The District will also provide and install the stilling well equipment at all stilling wells. Contractor shall provide enclosures as listed on the drawings in all locations as show on the drawings.

22. ***Question:*** Page 3 of the RFB provides a list of Owner Furnished Equipment. Is the District only furnishing these items for the Contractor to install? Or is the District furnishing and installing these items? What is meant by the "gate pointer"? Please clarify at which gates the District is going to furnish and/or install the Unimeasure/Celesco gate position sensor, the gate position sensor housing, and signal cable from the gate to the RTU.
***Answer*:** Contractor shall provide and install the enclosures and wiring as show on the drawings. The District will provide and install the equipment listed in the RFB as well as connecting to the supplied wiring. The gate pointer is provided and installed by the District for the gate at Structure S-475. Contractor shall provide and install all wiring.

23. ***Question:*** CAD files – Some of the surfaces were not included within the CAD files themselves. The "Resources" folder does seem to have .XML files to use as surfaces, but after trying to input them, it appears that they are just data references, not the actual .XML files. We request an updated version of the "Resources" folder that includes usable .XML files to ensure accurate takeoffs.
***Answer*:** A number of drawings requiring the use of intelligent AutoCad Civil 3D were setup with the use of Data Shortcuts. These Data Shortcuts allows intelligent Civil 3D data (such as surfaces, profiles, and alignments) to be referenced from one file to another. Often times when these files are moved from one server to another, the reference between the files get disassociated. In order to maximize the use of the AutoCad Civil 3D files provided, we recommend associating the drawings with the corresponding external references and Data Shortcuts provided.

24. ***Question:*** The Townsend Canal excavation work is in Work Step 1, but the pressure relief system is in Work Step 2. The excavation work for the installation of the pressure relief system will need to be coordinated with the excavation contractor. Drawings C07702 and CO7703 show four phases of excavation and installation of the relief system excavation. Therefore, is it safe to say that the Townsend Canal excavation work carries over into Work Step 3? Can the pressure relief system

installation start while the Phase 1 work is completed, or directly after Phase 1 of the Townsend Canal excavation is completed?
***Answer*:** The work phases provided on Drawings C07702 and C07703 are shown to depict one method or sequence for accomplishing the work. The Contractor may provide another method or sequence for doing the work, provided they meet the requirements and sequencing described in Specification 35 41 21 - Pressure Relief System. Given the plan length of the Pressure Relief System, it is expected that all four phases depicted on the drawings may occur at the same time in different reaches of the work. Ultimately, the Contractor will need to follow the sequencing developed during Proof of Concept for the installation of the Pressure Relief System.

25. ***Question:*** Drawing C07701 – Pressure Relief System Enlarged Detail 14 depicts an 8" schedule 80 PVC clean-out and perforated header pipe with a 6" slotted outfall pipe to the Townsend canal. The detail indicates that the pipe is the same size for the clean-out, header pipe, and outfall pipe. Please confirm that dimensions provided are correct and the outfall pipe is to be reduced to 6" at the wye.
Answer: Confirmed that the clean-out and header pipes are 8-inch diameter, and the outfall pipes are 6-inch diameter.

26. ***Question:*** Spec 31 23 13 - 1.3.2 and 1.3.3. – States that stripping and pre-trenching needs to be performed in areas in the reservoir area to remove vegetation and inspect for irrigation trash and farm debris. Does this apply for the perimeter work (i.e. perimeter road)?
Answer: Preparation of the subgrade in the areas of the Perimeter Road shall include stripping to remove vegetation and root systems but does not require pre-trenching for exploration of or removal of remnant farm irrigation conduits.

27. ***Question:*** What is the required depth for the pre-trenching?
***Answer*:** See Drawing No. C01137.

28. ***Question:*** We request a 28-day extension to the bid date (February 27, 2019).
***Answer*:** Deadline for sealed bid submission remains January 30, 2019.

29. ***Question:*** Drawing C01139 references the requirement to remove the FLP bridge (Inset F – Demolition Plan). Please provide as-built drawings for this bridge.
***Answer*:** There are no as-built drawings available for this bridge.

30. ***Question:*** Please provide detailed triaxial shear test data as indicated in Section 5.7 of the Geotechnical report.
***Answer*:** Triaxial Shear Test Results Attached as part of Addendum No. 7.

31. ***Question:*** During the pre-bid meeting on November 27th at the South Florida Water Management District Auditorium, it was stated that we should expect to see all changes to documents in the addendum "before Christmas" (Addendum 6) to be clouded, highlighted, crossed out, or underlined. After reviewing the revised specifications, there are significant changes to the content which are not tagged in any way as new to the revision. The drawings all appear to have revisions clouded. Given the extremely short amount of time to review the revised documents prior to the January 30th bid date, please provide a revised copy of the specifications with tracked changes that represent all changes from the original documents (Addendum 3) through Addendum 6. Also, please confirm all revisions to drawings have been clouded or tagged to signify any changes from Addendum 3 through Addendum 6.
***Answer*:** The track changes version of the specifications is attached as part of Addendum No. 7. Please note that **only the text in red with an underline or strikethrough** represent additional or deletions respectively. Text in any color not indicated with an underline or strikethrough are not

changes in the specifications but are merely a result of how the SpecsIntact software formats the document. This confirms that the Corrected Final/RTA drawings have been clouded to reflect all changes from Addendum No. 3 through Addendum No. 6, unless noted otherwise in Addendum No. 7.