



MANATEE COUNTY

January 20, 2011

All Interested Bidders:

SUBJECT: Invitation for Bid #10-3586-OV
Southwest Water Reclamation Facility (SWWRF) Improvements
To the Reclaimed Water Automation **AND** Southeast Water
Reclamation Facility (SEWRF) Improvements to the Reclaimed
Water Automation and VFD Replacement

ADDENDUM #4

Bidders are hereby notified that this Addendum shall be acknowledged on page 00300-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgement of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

Bidders Note: Additional questions shall not be accepted at this time as the stated deadline of **January 7, 2011** has lapsed. This deadline has been established to maintain fair treatment of all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve.

Attachment #1 – McKim & Creed Engineering Memorandum dated January 19, 2011 responding to questions received through January 7, 2011. (4 Total pages attached).

Bidders Note: Bid Opening date has been Revised

From: January 26, 2011 at 2:00 PM

To: February 1, at 2:00 PM

Financial Management Department – Purchasing Division
1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205
Phone: 941-708-7527 – Fax: 941-708-7544
www.mymanatee.org

LARRY BUSTLE * MICHAEL GALLEN * JOHN R. CHAPPIE * ROBIN DISABATINO * DONNA G. HAYES * CAROL WHITMORE * JOE McCLASH
District 1 District 2 District 3 District 4 District 5 District 6 District 7

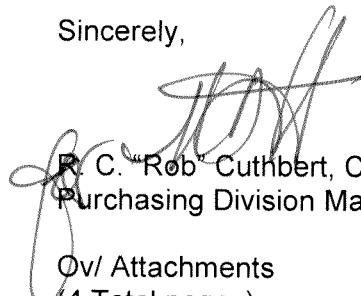
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If you have submitted a bid prior to receiving this addendum, you may request in writing that your original, sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

END OF ADDENDUM #4

Bids will be received at the **Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205** until **2:00 P.M. on February 1, 2011.**

Sincerely,



R. C. "Rob" Cuthbert, C.P.M, CPPO
Purchasing Division Manager

0v/ Attachments
(4 Total pages)

Manatee County
SEWRF Reclaimed Water Automation Project And VFD Replacement (#6013792)
SWWRF Reclaimed Water Automation (#6016392)

Addendum No. 4**January 19, 2011**

The following items represent clarifications, additions, deletions, and/or modifications to the Contract Documents for the above reference project. This Addendum shall hereafter be regarded as part of the Contract Documents. Items not referenced herein remain unchanged. Receipt of this Addendum shall be acknowledged below and on the Bid Form.

In addition to clarification to written requests for information, these items replace original items previously issued or are to be added to the Bidding and Construction Documents as indicated.

PART I – CLARIFICATIONS TO BIDDER QUESTIONS

1. **Question:** The 24" meter Assembly for FLW-106, at the Flocculator; The detail on M-3 shows this with a 40' 6" long level slab under the assembly, the location is on a bank that is 6' high sloping away from the Flocculator to the sidewalk, from indications, there is not even 40' between the Flocculator and the sidewalk. How is the contractor supposed to install this assembly level per the details? Will appropriate details be provided on how to revise the site to install this assembly level? Considering the detail takes no consideration for slope, what are the actual lengths of pipe needed?

Response: Per Note 2 on Sheet G-3, the Contractor must conduct subsurface investigation to determine the location of pipes impacted by the Work. If at that time it is determined that the assembly does not fit as presented, a field adjustment to replace the 45° bends with 90° bends will be recommended. The Contractor will be expected to make field adjustments to regrade area appropriately for new assembly.

2. **Question:** The detail drawings indicate the slab under the assemblies is concrete, but the detail for this shows it as lumber and stone, which is correct?

Response: Marifi Pad Detail to be utilized for all new pads at Southwest WRF and all new pads at Southeast WRF with the exception of the reject pond pad extension.

3. **Question:** Sheet G-3, site plan Detail B, the 16" assembly for BPV-110 and FLW-111; This shows the assembly to the East of the existing pipe, which is very close to the bottom of the slope of the dike. Considering the tapping sleeve, valve and 90's, as shown, this puts the location of the assembly somewhere on the side of the dike. The detail for this location takes no consideration on how the site needs to be revised or the true length of vertical pipes. Will the proper details be provided for this location?

Response: Per Note 2 on Sheet G-3, the Contractor must conduct subsurface investigation to determine the location of pipes impacted by the Work. If at that

time it is determined that the assembly does not fit as presented, a field adjustment will be recommended that accounts for the new information. The Contractor will be expected to make field adjustments to re-grade area appropriately for new assembly.

4. **Question:** Sheet G-3, site plan Pump Station, the 16" assembly for FLW-114; This shows the assembly and the slab as 42' long and level, the location for this assembly is next to the road leading up to the pump station, from the locations of the existing pipe, there is 10' to 12' of elevation change in the pipe and the site. Will appropriate details be provided on how to revise the site to install this assembly level? Considering the detail takes no consideration for slope, what are the actual lengths of pipe needed?

Response: Per Note 2 on Sheet G-3, the Contractor must conduct subsurface investigation to determine the location of pipes impacted by the Work. If at that time it is determined that the assembly does not fit as presented, a field adjustment will be recommended that accounts for the new information. The Contractor will be expected to make field adjustments to re-grade area appropriately for new assembly.

5. **Question:** In review of the specs for the Globe Valves (Section 15100), I see that you have specified Cla-Val, GA, and Bermad for these valves. On the last job with Manatee County (SWWRF 10 MG Storage Tank), the County deleted these valves and specified Ross Valve - see attached specification issued via Addendum. Municipalities typically standardize on one manufacturer for these types of control valves and I would like the opportunity to provide the Ross valves for this project like we did on the Storage Tank project. Please review and let me know if you have any questions.

Response: The County standard specification identifies Cla-Val and Bermad as pre-approved manufacturers of the globe style valve. "Or equal" manufacturers will be approved during shop drawing review.

6. **Question:** As per your direction, I am writing to request that Square D Variable Frequency Drives be added as an "approved equal" for the SWWRF Reclaimed Water Automation project. The current specification Sect 16483, Part 2 2.01.A , lists "ABB, or approved equal."

Response: ABB ACS 800 Series Model Number ACS800-CC-0300-5+B055+F267+G390+P902 is the only pre-approved variable frequency drive per the Contract Documents. The County owns and operates many of these drives within their high service pump stations at their water reclamation facilities and is in the process of standardizing on this model to provide uniform performance and maintenance. "Or equal" manufacturers will be approved during shop drawing review.

7. **Question:** Addendum 3 revision to drawing M-3 (SEWRF), no longer shows MOV-100 at the Mars Meter Replacement Detail. MOV-100 is still however shown on drawing G-3. Has MOV-100 been deleted?

Response: Butterfly Valve on northern tee that branches to metering assembly is MOV-100.

8. **Question:** There are numerous tie-ins required to install the new piping and meters as shown on drawing G-3 (SEWRF). Can all the existing pipelines be

cut and drained without the use of linestops or wet taps to make the tie-ins? If not, which existing pipelines will require linestops to isolate the pipeline or require wet taps?

Response: It is the Contractor's responsibility to determine the means and methods by which connections will be made and his bid should reflect his approach. The Contractor should review the valves at the facility to determine the best approach for his bid.

9. **Question:** Please provide size of the tapping sleeves ? x 16" and existing pipeline material for both FLW-111 and FLW-118 shown on drawing G-3 (SEWRF).

Response: The tap size is 30" x 16" and record drawings indicate the pipe is ductile iron. The Contractor is advised to confirm size, location and material on his own.

10. **Question:** There are numerous tie-ins required to install the new piping and meters as shown on drawing G-3 (SWWRF). Can all the existing pipelines be cut and drained without the use of linestops or wet taps to make the tie-ins? If not, which existing pipelines will require linestops to isolate the pipeline or require wet taps?

Response: It is the Contractor's responsibility to determine the means and methods by which connections will be made and his bid should reflect his approach. The Contractor should review the valves at the facility to determine the best approach for his bid.

11. **Question:** Please provide material of the existing 24" RCW pipeline requiring a tapping sleeve and valve shown on drawing G-3 (SWWRF).

Response: Record drawings indicate the pipe is ductile iron. The Contractor is advised to confirm size, location and material on his own.

12. **Question:** Please clarify the following: Addendum 3, question 2 response indicates that all new pads shall be 57 stone gravel bed with wood framing (Marifi Pad Detail), if so, the majority of the concrete pads will be deleted as you can do one or the other. Is this the intent of the response? Please revisit this question's response as it has a significant impact on the bid amount.

Response: All pads with the exception of the extension of the reject fill line at SEWRF will be per the Marifi Pad Detail.

13. **Question:** Page 15100-5, B, regarding the Valve Position Transmitter. The specifications state, "(the transmitter) shall be magnetic, not-contact type, with analog output and shall include terminal strips for the communication link to the PLC and for the solenoid pilots, as well as an LED for zeroing purposes." Normally the Solenoid Pilots are connected to and actuated by a PLC or Electronic Controller, not the Position Transmitter. The Position Transmitter is stem mounted and relays valve position as a 4-20 mA signal. Please clarify.

Response: A standard position transmitter is acceptable.

14. **Question:** Is a standard 4-20 mA Position Transmitter acceptable and are the Solenoid Pilots going to be actuated by a separate Controller or PLC?

Response: A standard position transmitter is acceptable and will be controlled by the PLC. Please reference the P&ID loops in the Contract Documents.

15. Question: Page 15100-5 C, regarding the Epoxy Coating. The specifications state "NSF 61 Certified Epoxy, Tnemec Series N140". Our standard epoxy coating is Dupon Nap-Guard F.B.E. (Pipe Coating) 7-2500 and is NSF 61 Certified. Is this acceptable?

Response: Contractor should bid according to plans and specifications. "Or equal" manufacturers will be approved during shop drawing review.

16. Question: Page 15100-5, D, 1, A: Is the 24" valve Full Port or Reduced Port?

Response: All control valves for the SEWRF and SWWRF are full port valves.

17. Question: Page 15100-5, D, 1, B: What is the normal flow rate for sizing the Downstream Orifice Plate?

Response: Flow may range from 0 to 11,300 gpm per specification 15100 (2.02)(D). Normal flow is 8,325 gpm based on current average daily flow.

18. Question: Page 15100-5, D, 1, E: Is the downstream orifice plate for cavitation control?

Response: Downstream orifice plate is for cavitation.

Sincerely,
McKIM & CREED, P.A.



Matthew S. Love, P.E.
Project Manager