

# MEMORANDUM

To: All Interested Bidders

Date: July 24, 2014

Subject: Invitation for Bid #14-0846-OV, Southwest Water  
Reclamation Facility (SWWRF) Nitrogen Removal  
(Project File: 6079080) **ADDENDUM #2**



**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 document, 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.

**The deadline to submit all inquiries concerning interpretation, clarification or additional information pertaining to this bid has been extended to August 1, 2014 (WAS: July 18, 2014) at 5:00 PM.** This deadline has been established to maintain fair treatment for all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve.

**Bidders Note 1:** Bid Opening Date: **Revise to:** August 15, 2014 at 3:00 PM  
**WAS:** August 6, 2014 at 3:00 PM

**Bidders Note 2:** **The Bid Forms ("A" and "B") have been revised as follows:**

**Add: Bid Item No. 12. REMOVE and DEWATER Residual Liquid and Solids in Four (4) Aeration Basins to page 5 of 5 of the Measurement and Payment Section 01 15 00 in the Technical Specifications.**

**Add:**

Payment for all work included under this Bid Item shall be made at the Contract Lump Sum price bid listed in the Bid Form and shall represent full compensation for all labor, materials and equipment required to remove and dewater all residual solids in four (4) aeration basins as shown on the Contract Drawings and specified herein. Measurement for monthly payments of this Lump Sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor in accordance with the Contract Documents.

**Add: Bid Item No. 13. HAUL and DISPOSE DEWATERED Residual Solids in Four (4) Aeration Basins to page 5 of 5 of the Measurement and Payment Section 01 15 00 in the Technical Specifications.**

**Add:**

Payment for all work included under this Bid Item shall be made at the Contract unit price listed in the Bid Form and shall represent full compensation for all labor, materials requirement required to haul and dispose all dewatered residual solids in aeration basins to County's Landfill as shown on the Contract Drawings and specified herein. Measurement for periodic payments of this unit price bid item will be in accordance with weight tickets issued by the County's landfill with a total quantity of up to 500 tons of dewater solids disposed of to landfill for four (4) basins.

Financial Management  
Purchasing Division  
1112 Manatee Ave W Suite 803, Bradenton, FL 34205  
Phone number: (941)749-3014

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**Add: Bid Item No. 14, SCADA Programming Allowance to page 5 of 5 of the Measurement and Payment Section 01 15 00 in the Technical Specifications.**

**ADD:**

Payment for all work included in this bid item will be made at the applicable Contract lump sum price listed in the bid form, and shall represent full compensation for furnishing SCADA programming services in accordance with the scope of work listed in Addendum No. 1.

This item includes SCADA programming, startup and testing services, training and provide in complete documentation in digital format, complete.

Payment will be based on the percent complete at the time of preparation of the monthly application for payment. These payments will be subject to the standard retainage provided in the Contract. Payment of the retainage will be made after completion of the work and demobilization.

General Contractor shall use an allowance of \$20,340.00 to contract with the factory authorized representative of existing Manatee County SCADA software listed below:

BCI Technologies  
1619 E. Vine Street  
Kissimmee, FL 34744  
Office: 407.847.8848  
Fax: 407.847.88224

**BCI Technologies Scope of Work:**

BCI Technologies will provide Citect SCADA Programming services to interface equipment as specified in the contract documents. This includes Anoxic Basins, Aeration Basins, NRCY Pumps, Blowers, Blower MOV, MCC Power Monitoring and Startup.

SCADA programming services shall provide monitoring, alarms, set point entry, remote manual control and new screen generation for specified equipment as required. The intent is to provide an interface to existing controls, not to actually control the process. PLC system programming, by others, shall provide actual process control, alarm generation and tag data base generation.

**SCADA Programming Services**

**HMI Programming:**

BCI Technologies will provide modifications to the existing Citect SCADA software located at the Southwest Water Reclamation Facility. Modifications will include the following:

1. Create new graphics/screens as required
2. Modify existing tag database (I/O tag list must be provided by County or PLC Programming Contractor)

Create new trend pages and alarms

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### **Operation and System Validation**

BCI will provide startup and testing for the Citect SCADA system software and perform a functional test of the SCADA graphics and tag database with the Contractor and County.

### **Training**

BCI will provide a two hour training session with operators and maintenance personnel for the modified graphic and alarms added to the Citect SCADA software.

### **System Software Backup and Manuals**

BCI will provide a compact disk or USB flash drive with a complete backup copy of the Citect SCADA project. Documentation will be provided for the operation of the updated Citect SCADA graphics/screens.

**Revise Bid Item No. 15 Contract Contingency Work** on page 5 of 5 of the Measurement and Payment Section 01 1500 as follows:

<b><u>Delete:</u></b>	5% Contract Contingency Work
<b><u>Replace:</u></b>	10% Contract Contingency Work

Payment for all work under this Bid Item shall be made at the County's discretion in order to satisfactorily complete the project in accordance with the Plans and Specifications. The Bidder shall calculate 10% of the Total Base Bid and enter the dollar amount for the Bid Item.

### **Bidders Note 3: Revisions to Specifications and Plans:**

#### **1. REVISE Article 1.09.E.1.e of Section 013113 to read as follows:**

The County will drain the primary clarifiers and remove residual liquid and solids from the clarifiers. The Contractor shall power-wash the primary clarifiers and remove any excess residual liquid and solids (biosolids, grit, rags, etc...) from the clarifiers. The Contractor shall notify the County three weeks prior to working on anyone of the primary clarifiers. The Contractor shall allow at least three weeks in construction schedule for the draining of one clarifier.

#### **2. REVISE drawing 007-E-6001 sheet keynote #9 to read as follows:**

Replace the existing 300 amp trip/1200 amp frame circuit breaker with a new 350 amp trip / 1200 amp frame Square D. Magnum medium-voltage direct replacement circuit breaker. Coordinate circuit breaker replacement requirements with Existing Switchgear Manufacturer.

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**4. REVISE Article 3.02A and 3.02B of Section 02 41 00 Demolition to read as follows:**

**3.02 Removal of tank Contents and Purging**

- A. The primary clarifiers will be drained by the County. Residual solids in the primary clarifiers will be removed by the County. Coordinate with the County in construction sequence. The Contractor shall notify the County three weeks prior to working on any one of the primary clarifiers. The Contractor shall allow at least three (3) weeks in construction schedule for the draining of one primary clarifier.
- B. The County will drain the aeration basins. The Contractor shall remove, dewater, haul and dispose of the remaining liquids and solids in the aeration basins, which are typical activate sludge aeration basin solids containing grit, rags, mixed liquor, etc. The tanks are expected to have up to 1 foot of residual solids and liquid remaining at the bottom after draining. Coordinate with the County in construction sequence. The Contractor shall notify the County three (3) weeks prior to working on any one of the aeration basins. The Contractor shall allow at least three (3) weeks in construction schedule for the draining of one aeration basin.
  - 1. Dewater the solids to meet the paint filter liquid test requirements of Manatee County's Landfill. If the dewatered solids fail to pass the test the Contractor shall take any means required further dewater the solids to pass the test, subject to Engineer's approval, at no additional cost to the County. Dewatering filtrate shall be discharged to the plant drain system. Power and water will be provided by the County.
  - 2. Dispose the dewatered solids to Manatee County's Landfill (hours of operation: Monday - Saturday 8:00 a.m. - 5:00 p.m. Phone: 941-748-5543). The County will pay the tipping fees. Unit price for removing, dewatering and hauling the dewatered solids shall be provided in the bid form as described in Section 00 72 00, General Conditions.
  - 3. All equipment used for this contract shall be in good working order and free of any fluid leaks. The vendor shall own or be sole lessee of the equipment utilized in the performance of this contract. Vendor is required to provide trucks, tractor-trailers with a minimum capacity of 20 cubic yards. A fill line shall be clearly marked and maintained on the inside of each trailer. The vendor shall provide some means of identifying each trailer (e.g. by numbering) and shall supply length, width, and fill depth measurements in feet and inches for the internal cavity of each trailer.
  - 4. Contractor shall be responsible for the cleanup and removal of any spilled material during the removal and disposal operation. Any spillage, accidental or otherwise, which occurs at/or off the facility site, shall be the responsibility of the Contractor to completely remove and sanitize and report to the proper agencies and the County in a timely manner. When dumping trailers into the Bio-Solids Dryer Facility sludge holding bins, sludge deposited on the bin ledge or concrete drive shall be cleaned to the County Dryer staff's approval.
  - 5. The removal of the remaining solids shall be a lump sum bid item.

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**Bidders Note 4: Replies to Questions received from Bidders through July 18, 2014.**

**Question 1:**

Requesting Manatee County to issue an addendum to the project specifications, such that, below mentioned items (1 thru 3) are listed as an equal or an alternate.

1. SCADA: Ovation product line from Emerson Power and Water Solutions.
2. PLC/RTU: ControlWave from Emerson Power and Water Solutions.
3. System Integrator: Emerson Power and Water Solutions:

**Response 1:**

See below response to the request for items 1 through 3:

1. SCADA: The PLC/HMI should be consistent with the rest of the facility. Manatee County is currently using Allen-Bradley and Citect and therefore the manufacturers for this process should be the same and an alternative will not be accepted.
2. PLC/RTU: The PLCs manufacturers used by Manatee should be consistent with the facility and process should be the same as existing. An alternative to the specification will not be accepted.
3. System Integrator: There is no requirement for providing system integration with another vendor's PLC/HMI product line.

**Question 2:**

There are currently two water infrastructure projects bidding the same day and time for Manatee County (IFB#14-2031CD and IFB#14-0846-OV). With both projects bidding at the same time, it will be difficult to provide the lowest possible bid proposal to the County. We request #14-0846-OV be moved to a different date.

**Response 2:**

IFB#14-0846-OV has been extended to August 15, 2014 via Addendum #2.

**QUESTION #3:**

Was there a hazardous material report completed for this project?

**RESPONSE #3:**

A hazardous material report was not completed for this project. County will be responsible for draining and removal of residual liquid solids (grit, rags, etc...) from the Primary Clarifiers. The Contractor will be responsible for removal of excess residual liquid and solids from the Primary Clarifiers during demolition and power-washing activities and excess residual liquid and solids (grit, rags, and activated sludge) removal at the Aeration Basins.

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**QUESTION #4:**

Per the contract documents the contractor shall pay for required construction permits. Can a cost of these permits be issued in addenda or can an allowance be added to the bid so all bidders are bidding the same value for the construction permits?

**RESPONSE #4:**

The remaining Building permit fee of \$238.00 shall be included in Bid Item #1 and included in mobilization cost. The Contractor will be responsible for any other miscellaneous County permits required for construction. The Building permit number is as follows: #13121167.

**QUESTION #5:**

Please confirm coating type and/or liner type and condition that is on all of the interior walls, ceiling and floor of the existing primary clarifiers that will be the future anoxic basin.

**RESPONSE #5:**

Underslab of primary clarifier roof structure (ceiling) is painted concrete as well as the interior walls or areas subject to splashing Primary clarifier floors are finished concrete.

**QUESTION #6:**

Per note #3 on drawing 004-D-1002 the contractor must chip out and patch all concrete anchors from the existing equipment being removed inside the existing primary clarifiers. Please provide patching detail for the existing coating or liner that is on the interior walls, ceiling and floor.

**RESPONSE #6:**

See Standard Detail 0330-143 Concrete Demolition and technical specification 01.04.50 for patching concrete and Specification 09.90.00 for concrete tank linings (System No.19).

**QUESTION #7:**

If the County terminates the contract, is the Contractor reimbursed for all costs incurred up to receipt of notice of termination? Including costs for Overhead and Profit?

**RESPONSE #7:**

No. The contractor will not be reimbursed for costs incurred up to receipt of notice of termination.

**QUESTION #8:**

As this contract is partially funded by the State of Florida Department of Environmental Protection, are there any "Buy America", or "Buy American" conditions?

**RESPONSE #8:**

This project is funded by the State of Florida Department of Environmental Protection and subject to the Prevailing Minimum Wage Davis Beacon Act. There is not any "Buy America", or "Buy American" conditions for the project.

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**QUESTION #9:**

Please provide a bypass plan for all required bypass pumping for this project. There is no way for a contractor to know the details, flows, TDH, discharge points, etc. required for bypassing.

**RESPONSE #9:**

The contractor shall be responsible for development of a plan which shall be submittal and execution of a bypass in accordance with the sequence of construction.

**QUESTION #10:**

Reference DWG 001-G-0201 - Thrust Restraint Schedule and Specification Section 40 27 00 Supplement -1 Piping Schedule

1. Does the Thrust Restraint Schedule apply to all underground pressurized pipe?
2. The Thrust Restraint Schedule shows the required restrained lengths from various fittings for a Test Pressure of 100PSI. Note 2 of the Thrust Restraint Schedule outlines that for a Test Pressure of 50PSI, the user should multiply the restrained length by 0.5. As an example, for a Test Pressure of 30PSI, should we multiply the restrained length from a fitting by 0.3 to ascertain the required restraint requirements on the pipe run?

**RESPONSE #10:**

The thrust restraint schedule shown on drawing 001-G-0201 applies to all underground pressurized DI pipe wrapped in polyethylene. If the test pressure is 50 psi or less multiply the restrained length shown within the thrust restraint schedule/table from a fitting by 0.5 to determine the required restraint length on DI pipe.

**QUESTION #11:**

Considering the other recent Manatee County project (10.0MG Storage Tank) is bidding on the same day as this project, but the deadline for questions is 30<sup>th</sup> July, would the County consider extending the deadline for questions on this project to July 30<sup>th</sup> also?

**RESPONSE #11:**

The deadline for clarifications and questions will be extended to August 1, 2014.

**QUESTION #12:**

Could you please clarify the amount of sludge, grit, and rags that will be required to be removed during the cleaning and demolition operations of the existing clarifiers and aeration basins so that all bids will be based on the same quantity? Additionally, it would be logistically preferable to base the quantity in either cubic yards or tons. Can the contractor dispose of the solids on site perhaps in a drying bed and can the liquids be pumped back into the headworks. If not, is this waste going to be considered classified or unclassified waste and if it is classified will you be able to provide a manifest for disposal?

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**RESPONSE #12:**

Specification section 01.31.13.1.09.E.1.e clarifies that County is responsible for draining and removal of residual solids (grit, rags, etc...) from the Primary Clarifiers. The County is responsible for draining the aeration basins to the level of the diffusers or as low as possible with existing infrastructure. All residual solids to be removed by Contractor per Bidder's Note 2, Bid Item 12 of this Addendum #2.

**QUESTION #13:**

In regards to the demolition debris, will the contractor take ownership of all demolition waste or does the County specifically wish to have certain equipment delivered to a storage site? Can we assume that all demolition debris will be the contractor's possession and thus retain ownership of said removed items (unless specifically called out to be relocated) including all scrap?

**RESPONSE #13:**

The County will review the condition of equipment and materials at the time of demolition and reserves the option to retain any equipment and materials. Contractor will be required to remove all demolition equipment, materials, and debris from the project site that the County prefers to not retain.

**QUESTION #14:**

If you intend on pushing out the bid date, can you also extend the deadline for clarifications and questions?

**RESPONSE #14:**

The deadline for clarifications and questions will be extended to August 1, 2014.

**QUESTION #15:**

Are Manatee County Utility Standards to be followed on this project?

**RESPONSE #15:**

The more stringent detail standards will prevail unless directed differently by the Engineer.

**QUESTION #16:**

Reference 004-Y-1002 and 004-Y-1004. Callout on 1002 calls out an 8" WAS line in the middle of the page. This same line on 1004 is called out as a 6" RCY. Please confirm this is 6" RCY. Also the TWAS and WAS callouts are reversed on the 004 sheets and the 005 sheets. Please clarify.

**RESPONSE #16:**

004-Y-1002 coordinate C4 "8" WAS" shall be changed to "6" RCW". 004-Y-1004 coordinate A3 "Remove Existing 6" RCY" shall be changed to "Remove Existing 6" RCW". The TWAS pipe is to be converted to WAS pipe as the DAF is to be bypassed.

**QUESTION #17:**

Reference Sheet 005-Y-2004 (approx. dwg coordinate B3). Is the existing 30" RAS (being converted to SRS) capped where it heads north into Basin 3&4? If not, please provide details of how this enters the basin and whether it should be capped



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**RESPONSE #17:**

The current 30" RAS flows via the overhead channel. The pipe going north to the aeration basins has a plug valve and is not open. It is not to be capped.

**QUESTION #18:**

It appears there is an existing 54" that feeds Primary Clarifier Effluent to Aeration Basins. Is there any work associated with abandoning the existing influent to Aeration Basins? If so can more plans be added detailing this work. Additionally there appears to be an elevated channel going from Primaries (Anoxic) to Aeration Basins. Should anything be done with this?

**RESPONSE #18:**

The existing 54" pipeline that feeds the Primary Clarifier Effluent to the Aeration Basins line has been grouted. Contractor to remove existing piping as necessary to install new piping. Existing piping not to be used shall be removed or abandoned in place. The overhead channel is to remain.

**QUESTIONS #19:**

The IFB mentions a 3yr warranty in D.09 "unless otherwise specified". Other specification sections mention a 1yr Contractor's warranty (i.e. Section 44 45 16.02 – 1.06 A.). Please clarify warranty requirements.

**RESPONSE #19:**

Warranty requirements will be in accordance with the 3 year warranty described in the IFB and the County's contract documents will govern.

**QUESTION #20:**

Please confirm W3 and RW and RCW all are Plant Reuse Water. RW and RCW are used on yard piping plan sheets, while W3 is in the specifications and on 001-G-0402.

**RESPONSE #20:**

W3, RW, and RCW all are abbreviations for plant reuse.

**QUESTION #21:** Datasheet No. 40 27 00.01 references a table 5 and table 7 for pressure classes. Where are these tables?

**RESPONSE #21:**

These tables are referenced in AWWA C111/A21.11 and AWWA C151/A21/51, respectively.

**QUESTION #22:**

Piping schedule in 40 27 00 refers to PVC for RW. The supplement only lists SCH80 PVC. We request allowing DR-18 C900 for RW line as it is more suitable for buried service.

**RESPONSE #22:**

Use SCH 80 PVC for RW pipes 2" and smaller and CLDI for pipes larger than 2".

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**QUESTION #23:**

Reference Sheet 005-Y-1004 and 005-Y-1003. There is a line called out as to be demolished and abandoned in place as 6". This same line is called out as 18" drain on 005-Y-2003. Please clarify.

**RESPONSE #23:**

The line is 18"

**QUESTION #24:**

On sheet 005-Y-2003, there are small lines running North to South called out as 4" CLG and 6" CLG. What are these lines? Along with these lines there is 1" SHC (Sodium Hypo Chlorite?). Do these lines need to stay in service? What do they feed?

**RESPONSE #24:**

These pipes are not expected to be in the way of construction due to their elevations but the Contractor shall field verify their locations and elevations. The existing 4-inch and 6-inch CLG lines are abandoned in place chlorine gas lines. They can be cut and capped if necessary for construction. The 1" SHC is sodium hypochlorite and is used periodically and it shall be kept in service and re-routed if necessary.

**QUESTION #25:**

APG Neuros is requesting on site testing performance in accordance with manufacturer's field start-up and testing procedures.

**RESPONSE #25:**

Replace Section 44 42 19.05 Variable-Speed Turbo Blower article 2.07.A.5 with the following article.

2.07.A.5 Each blower shall be tested in accordance with the ASME Power Test Code for Centrifugal Compressors and Exhausters, PTC-10-1997 (reaffirmed 2003) edition, or Manufacturer's equivalent test. Tests shall be conducted using all components to be installed in the field. The test shall include determination of the surge point and verification of all the guarantee points as shown in Table 1A and Table 1B. Blower net delivered flow rate and discharge pressure shall be guaranteed with no negative tolerance.

Replace Section 44 42 19.05 Variable-Speed Turbo Blower article 3.03.D.6 with the following article.

3.03.D.6 Test each blower in accordance with Manufacturer's standard testing procedure and measure and test the following parameters for maximum, rated and minimum flows at actual site conditions.

- a. Motor speed
- b. Discharge pressure
- c. Suction flowrate
- d. Motor input power
- e. Suction Temperature
- f. Discharge Temperature
- g. Filter pressure drop
- h. Ambient Pressure
- i. Ambient Temperature
- j. Relative Humidity

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**QUESTION #26:**

Specification Section 0402700.08 requires stainless steel pipe to be seamless and fittings are to be welded. Proposed fabricator/supplier is requesting piping to be changed to "welded" in lieu of seamless.

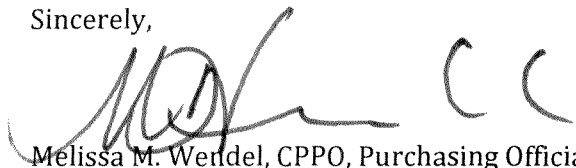
**RESPONSE #26:**

Stainless Steel piping shall be seamless in accordance with the specifications.

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.

Bids will be received at the **Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 on August 15, 2014 until 3:00 PM.**

Sincerely,

A handwritten signature in black ink, appearing to read 'Melissa M. Wendel', followed by two large, stylized 'C' marks.

Melissa M. Wendel, CPPO, Purchasing Official  
Manatee County Purchasing Division

Ov  
(Bid Forms "A" and "B" – 4 total pages attached)

**BID FORM / Addendum #2**  
**(Submit in Triplicate)\*(SECTION 00300)**

**IFB #14-0846-OV**

**(BID "A")**

**Southwest Water Reclamation (SWWRF) Nitrogen Removal (Project File:  
6079080 6.2) (Bid "A" Based on a 480 Calendar Day Completion Time)**

ITEM	DESCRIPTION	U/M	EST. QTY.	UNIT PRICE	EXTENDED PRICE
1	Mobilization / Demobilization	LS	1	\$	\$
2	Demolition and Cleaning of Primary Clarifiers	LS	1	\$	\$
3	Furnish and Install Yard Piping, Including Furnishing and Installing Pipes, Valves, Pipe Supports, Concrete Work and Demolition of Yard Piping	LS	1	\$	\$
4	Furnish and Install Splitter Boxes 1 and 2 Including Furnishing and Installing Gates, Pipes, Pipe Supports, Concrete Work, Metals, Coating and Handrails	LS	1	\$	\$
5	Furnish and Install Aeration Blowers, Air Piping and Diffusers, Including Furnishing and Installing Pipes, Valves, Pipe Supports, Concrete Work and Demolition of Existing Air Piping and Diffuser	LS	1	\$	\$
6	Furnish and Install NRCY Pump Stations, Including Furnishing and Installing Pipes, Valves, Pipe Supports, Concrete Work, Monorail, and Handrails	LS	1	\$	\$
7	Furnish and Install Anoxic Mixers, Including Furnishing and Installing Concrete and Metal Work	LS	1	\$	\$

Bidder: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

00300-2  
Bid "A" SWWRF  
Nitrogen Removal  
Addendum #2

**BID FORM / Addendum #2**  
 (Submit in Triplicate)\*(SECTION 00300)

**IFB #14-0846-OV**

**(BID "A")**

**Southwest Water Reclamation (SWWRF) Nitrogen Removal (Project File:  
 6079080 6.2) (Bid "A" Based on a 480 Calendar Day Completion Time)**

ITEM	DESCRIPTION	U/M	EST. QTY.	UNIT PRICE	EXTENDED PRICE
8	Furnish and Install Electrical System for Complete Operating MLE (Modified Ludzack-Ettinger) Process Plant	LS	1	\$	\$
9	Furnish and Install Instrumentation and Control System for Complete Operating MLE (Modified Ludzack-Ettinger) Process Plant	LS	1	\$	\$
10	Furnish and Install HVAC Systems for Existing South Electrical and Blower Buildings	LS	1	\$	\$
11	Cleanup and Demobilization	LS	1	\$	\$
*12	<b>Remove and Dewater Residual Liquid and Solids in Four (4) Aeration Basins (Addendum #2)</b>	LS	1	\$	\$
*13	<b>Haul and Dispose DeWatered Residual Solids in Four (4) Aeration Basins (Addendum #2)</b>	TONS	500	\$	\$
*14	<b>SCADA PROGRAMMING ALLOWANCE (WITH BCI TECHNOLOGIES) Addendum #2</b>	LS	1	\$20,340.00	\$20,340.00
	<b>TOTAL BASE BID "B" Based on a of 540 Calendar Day Completion Time</b>				\$
*15	<b>CONTRACT CONTINGENCY WORK (USED ONLY WITH COUNTY APPROVAL) Addendum #2</b>			10% OF TOTAL BASE BID	\$
<b>TOTAL CONTRACT AWARD - SOUTHWEST WATER RECLAMATION FACILITY (SWWRF) NITROGEN REMOVAL (BID "A" Based on a 480 Calendar Day Completion Time) (Addendum #2)</b>					\$

Bidder: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

00300-3  
 Bid "A" SWWRF  
 Nitrogen Removal  
 Addendum #2

**BID FORM / Addendum #2**  
 (Submit in Triplicate)\*(Section 00300)

**IFB #14-0846-OV**

**(BID "B")**

**Southwest Water Reclamation (SWWRF) Nitrogen Removal (Project File:  
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ITEM	DESCRIPTION	U/M	EST. QTY.	UNIT PRICE	EXTENDED PRICE
1	Mobilization / Demobilization	LS	1	\$	\$
2	Demolition and Cleaning of Primary Clarifiers	LS	1	\$	\$
3	Furnish and Install Yard Piping, Including Furnishing and Installing Pipes, Valves, Pipe Supports, Concrete Work and Demolition of Yard Piping	LS	1	\$	\$
4	Furnish and Install Splitter Boxes 1 and 2 Including Furnishing and Installing Gates, Pipes, Pipe Supports, Concrete Work, Metals, Coating and Handrails	LS	1	\$	\$
5	Furnish and Install Aeration Blowers, Air Piping and Diffusers, Including Furnishing and Installing Pipes, Valves, Pipe Supports, Concrete Work and Demolition of Existing Air Piping and Diffuser	LS	1	\$	\$
6	Furnish and Install NRCY Pump Stations, Including Furnishing and Installing Pipes, Valves, Pipe Supports, Concrete Work, Monorail, and Handrails	LS	1	\$	\$
7	Furnish and Install Anoxic Mixers, Including Furnishing and Installing Concrete and Metal Work	LS	1	\$	\$

Bidder: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

00300-4  
 Bid "B" SWWRF  
 Nitrogen Removal  
 Addendum #2

**BID FORM / Addendum #2**  
 (Submit in Triplicate)\*(Section 00300)

**IFB #14-0846-OV**

**(BID "B")**

**Southwest Water Reclamation (SWWRF) Nitrogen Removal (Project File:  
 6079080 6.2) (Based on a 540 Calendar Day Completion Time)**

ITEM	DESCRIPTION	U/M	EST. QTY.	UNIT PRICE	EXTENDED PRICE
8	Furnish and Install Electrical System for Complete Operating MLE (Modified Ludzack-Ettinger) Process Plant	LS	1	\$	\$
9	Furnish and Install Instrumentation and Control System for Complete Operating MLE (Modified Ludzack-Ettinger) Process Plant	LS	1	\$	\$
10	Furnish and Install HVAC Systems for Existing South Electrical and Blower Buildings	LS	1	\$	\$
11	Cleanup and Demobilization	LS	1	\$	\$
*12	Remove and Dewater Residual Liquid and Solids in Four (4) Aeration Basins (Addendum #2)	LS	1	\$	\$
*13	Haul and Dispose DeWatered Residual Solids in Four (4) Aeration Basins (Addendum #2)	TONS	500	\$	\$
*14	SCADA PROGRAMMING ALLOWANCE (WITH BCI TECHNOLOGIES) Addendum #2	LS	1	\$20,340.00	\$20,340.00
	TOTAL BASE BID "B" Based on a of 540 Calendar Day Completion Time				\$
*15	CONTRACT CONTINGENCY WORK (USED ONLY WITH COUNTY APPROVAL) Addendum #2			10% OF TOTAL BASE BID	\$
TOTAL CONTRACT AWARD - SOUTHWEST WATER RECLAMATION FACILITY (SWWRF) NITROGEN REMOVAL (BID "B" Based on a 540 Calendar Day Completion Time) (Addendum #2)					\$

Bidder: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

00300-5  
 Bid "B" SWWRF  
 Nitrogen Removal  
 Addendum #2