

# MEMORANDUM



To: All Interested Bidders

Date: September 21, 2015

Subject: Invitation for Bid IFB#15-2606-OV,  
MARS Chlorination System at the Southwest Water  
Reclamation Facility (SWWRF) (Project No. 6082190)  
**ADDENDUM #1**

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**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 is September 18, 2015 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:**

The Engineer's Estimate for this project is \$522,000.00.

**Bidders Note 2:**

A copy of the Non-Mandatory Information Conference Attendance Record which was held on September 9, 2015 is made a part of this Addendum #1. (1 total page)

**Bidders Note 3: Pertaining to Article A.04 - Examination of Bid Documents and Site(s)**

Inspection of the Project Site(s) is a requirement to be considered for the award of this bid. Contact Mr. Tom Birk, Utilities Department, Chief Operator at the Southwest Water Reclamation Facility (SWWRF) to schedule an appointment. Phone: 941-792-8811, Ext. 5179 between the hours of 8:00 am and 3:00 pm. Appointments are required.

**Bidders Note 4: Pertaining to the Bid Form**

Bid Item for Permit Allowance is made a part of the revised Bid Forms. Bidders shall utilize the revised Bid Forms for when submitting their Bids. (2 total pages)

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

**Bidders Note 5: Pertaining to the Specifications**

- a. **Revised Table of Contents** adding Section 01900, Permitting to the General Requirements. (3 total pages)
- b. **Replace** Revised Section 01150, Measurement and Payment defining fees for Bid Item No. 1, Permit Allowance. (5 total pages)
- c. **New** – Section 01900 PERMITS (page 01900-1) has been added to the Technical Specifications. (1 total page)

**Bidders Note 6: Pertaining to the questions received from Bidders through September 18, 2015, 5:00 PM (No additional questions shall be considered).**

**Question 1.** Please see the “Tank Drain Pump-Out” detail on sheet D-0.2 of the drawings. It seems to state that some of the piping shown is existing and can be reused? Can you provide a revised detail showing which of the fittings and/or valves are existing and intended to be reused?

**Response 1:** The tank drain pump out detail on sheet D-0.2 is showing the existing piping configuration based on record drawings. The intent is that everything downstream of the two ball joints will be removed, reused and relocated with the exception of the concrete pad and bollards to avoid a conflict with the proposed chlorination building. The contractor’s bid should include a 12-inch ductile iron 90 degree bend, 12-inch ductile iron pipe and any other materials necessary to relocate tank drain to the location shown on sheet C-0.2. Bids shall also include new gaskets for reassembled fittings as stated on D-0.2 and new concrete pad and bollards. The successful bidder/contractor shall perform a field investigation of the existing tank drain prior to any construction to determine the tank drain relocation can be installed without conflicting with the proposed improvements.

**Question 2.** Please confirm which permits the contractor is responsible for and that the fees for each will be reimbursed by the county.

**Response 2:** See updated Specification Section 01150 and new Section 01900 in the Specifications provided as part of this addendum.

September 21, 2015

Invitation for Bid IFB#15-2606-OV,

Addendum #1 / Page 3 of 3

**Question 3.** "Section B" on sheet S-0.2 of the drawings calls for the FRP stairs, landing and handrail to be "pre-engineered". However, the specs lists acceptable manufacturers who engineer individual parts, not systems. What is the intent of the term "pre-engineered"?

**Response 3:** Pre-engineered means the shop drawing of the system needs to be signed and sealed by a licensed Florida Professional Engineer. See note 3 for Section B on sheet S-0.2 regarding engineering requirements.

**Question 4.** Will the County drain the tank to allow the contractors to relocate the pump-out piping? (Reference question #1).

**Response 4:** The County will drain the tank to 3 feet. The contractor shall pump out the remaining (approximately 750,000 gallons) reclaimed water from the existing 12-inch tank drain to the effluent transfer pump station wet well, which is approximately 900 linear feet southwest of the ground storage tank.

**Question 5.** Please see the attachment for our formal request for product substitution consideration on the Mars Chlorination System Building & Improve (SW WRF) project. We are submitting our PERMINATOR® 10 Mil Underslab Vapor Barrier for your consideration.

**Response 5:** This will be reviewed after award of project. The County and the Engineer of Record will review requests for substitutions from the awarded Contractor, if requested, during shop drawing submittals to determine "or equal" status to the product(s) specified in the Technical 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 **October 13, 2015 at 3:00 PM.**

Sincerely,



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

OV

Attachments: 12 pdf pages attached

**ATTENDANCE RECORD for IFB #15-2606-OV – MARS Chlorination System at the  
Southwest Water Reclamation Facility (SWWRF) (Project No.: 6082190)  
NON-MANDATORY INFORMATION CONFERENCE / SITE VISIT**

**Location:** Southwest Water Reclamation Facility, 5101 65<sup>th</sup> Street West,  
Bradenton, FL, 34210

**Date/Time:** September 9, 2015 @ 01:00 PM

1:00 PM = OV  
MN

Attendee Name	Company	Phone and Email Address
Olga Valcich	McG, Purchasing	941-749-3055 OLGA.VALCICH@MANATEE.CO.FL
Mike Nixon	McKim + Creed	941-379-3404 MNIXON@MCKIMCREED.COM
Ricardo J. Colon	Manatee County Public Works	941-708-7450 E. 7344 RICARDO.COLON@MANATEE.CO.FL
MIKE NAGY	Wharton Smith Inc	813-288-0066 estimatingtamp@whartonsmith.com
ANDREW DECKER	Vogel Brothers Bldg Co	863-255-8186 ADECKER@VOGELBROS.COM
Brian Veal	RTD Construction	(813) 783-9119 bids@rtdconstruction.com
Robert Parks	Public Works Constructors	239 898 3812 RPARKS@PWC-LLC.COM
Vincent Caputo	Pooler & Kent	786-479-4540 VINCENTC@PKFLORIDA.COM
Russ DesErmia	Westra Const	941-723-1611 debbie@westraconst.com
THANH TRAN	MANATEE COUNTY UTILITIES	941-545-5911 THANH.VANTRAN@MCO.ORG
Thomas W. Birk	MANATEE COUNTY UTILITIES	941-792-8788
Jeff Blosser	" "	" "

**BID FORM**  
(Submit in Duplicate)

IFB#15-2606-OV

**IFB#15-2606-OV - Addendum #1**

**MARS Chlorination System at the Southwest Water Reclamation Facility (SWWRF)**  
(Project No.: 6082190)

**BID "A" Based on Completion time of 280 Calendar Days**

ITEM				BID PRICE	TOTAL BID
#	DESCRIPTION	U/M	QTY.	PER UNIT	PRICE
1	Permit Allowance (Addendum #1)	LS	1	\$	\$
2	Mobilization & Demobilization	LS	1	\$	\$
3	Chlorination Structure	LS	1	\$	\$
4	Site Work and Yard Piping	LS	1	\$	\$
5	Sodium Hypochlorite Tanks	LS	1	\$	\$
6	Chemical Feed System and Residual Analyzer	LS	1	\$	\$
7	Instrumentation and Controls	LS	1	\$	\$
8	Electrical	LS	1	\$	\$
9	Citect Software Programming and Configuration	LS	1	\$	\$
	TOTAL BASE BID "A" - Based on Completion Time of 280 Calendar Days				\$
10	CONTRACT CONTINGENCY WORK (Used only with County Approval)		10% OF TOTAL BASE BID		\$
	TOTAL OFFER(Including Contract Contingency Work) MARS Chlorination System at the SWWRF, based on Bid "A" 280 calendar days completion				\$

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

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

Bid Form - 2  
MARS Chlorination System, SWWRF  
Bid "A"  
(280 calendar days)  
Add.#1

**BID FORM**  
(Submit in Duplicate)

IFB#15-2606-OV

**IFB#15-2606-OV - Addendum #1**

**MARS Chlorination System at the Southwest Water Reclamation Facility (SWWRF)**  
(Project No.: 6082190)

**BID "B" Based on Completion time of 220 Calendar Days**

ITEM				BID PRICE	TOTAL BID
#	DESCRIPTION	U/M	QTY.	PER UNIT	PRICE
1	Permit Allowance (Addendum #1)	LS	1	\$	\$
2	Mobilization & Demobilization	LS	1	\$	\$
3	Chlorination Structure	LS	1	\$	\$
4	Site Work and Yard Piping	LS	1	\$	\$
5	Sodium Hypochlorite Tanks	LS	1	\$	\$
6	Chemical Feed System and Residual Analyzer	LS	1	\$	\$
7	Instrumentation and Controls	LS	1	\$	\$
8	Electrical	LS	1	\$	\$
9	Citect Software Programming and Configuration	LS	1	\$	\$
	TOTAL BASE BID "B" - Based on Completion Time of 220 Calendar Days				\$
10	CONTRACT CONTINGENCY WORK (Used only with County Approval)		10% OF TOTAL BASE BID		\$
	TOTAL OFFER(Including Contract Contingency Work) MARS Chlorination System at the SWWRF, based on Bid "B" 220 calendar days completion				\$

Bid Form - 3  
MARS Chlorination System,SWWRF  
Bid "B"  
(220 calendar days)  
Add.#1

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

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

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END TOC

## **SECTION 01150 MEASUREMENT AND PAYMENT**

### **PART 1 GENERAL**

#### **1.01 SCOPE**

- A. The scope of this section of the Contract Documents is to further define the items included in each Bid Item in the Bid Form section of the Contract Documents. Payment will be made based on the specified items included in the description in this section for each bid item.
- B. All contract prices included in the Bid Form section will be full compensation for all shop drawings, working drawings, labor, materials, tools, equipment and incidentals necessary to complete the construction as shown on the Drawings and/or as specified in the Contract Documents to be performed under this Contract. Actual quantities of each item bid on a unit price basis will be determined upon completion of the construction in the manner set up for each item in this section of the Specifications. Payment for all items listed in the Bid Form will constitute full compensation for all work shown and/or specified to be performed under this Contract.

#### **1.02 ESTIMATED QUANTITIES**

The quantities shown are approximate and are given only as a basis of calculation upon which the award of the Contract is to be made. The Owner does not assume any responsibility for the final quantities, nor shall the Contractor claim misunderstanding because of such estimate of quantities. Final payment will be made only for satisfactorily completed quantity of each item.

#### **1.03 WORK OUTSIDE AUTHORIZED LIMITS**

No payment will be made for work constructed outside the authorized limits of work.

#### **1.04 MEASUREMENT STANDARDS**

Unless otherwise specified for the particular items involved, all measurements of distance shall be taken horizontally or vertically.

#### **1.05 AREA MEASUREMENTS**

In the measurement of items to be paid for on the basis of area of finished work, the lengths and/or widths to be used in the calculations shall be the final dimensions measured along the surface of the completed work within the neat lines shown or designated.

#### **1.06 LUMP SUM ITEMS**

Where payment for items is shown to be paid for on a lump sum basis, no separate payment will be made for any item of work required to complete the lump sum items. Lump sum contracts shall be complete, tested and fully operable prior to request for final payment. Contractor may be required to provide a break-down of

the lump sum totals.

## 1.07

### UNIT PRICE ITEM

Separate payment will be made for the items of work described herein and listed on the Bid Form. Any related work not specifically listed, but required for satisfactory completion of the work shall be considered to be included in the scope of the appropriate listed work items.

No separate payment will be made for the following items and the cost of such work shall be included in the applicable pay items of work. Final payments shall not be requested by the Contractor or made by the Owner until as-built (record) drawings have been submitted and approved by the Engineer.

1. Shop Drawings, Working Drawings.
2. Clearing, grubbing and grading except as hereinafter specified.
3. Trench excavation, including necessary pavement removal and rock removal, except as otherwise specified.
4. Dewatering and disposal of surplus water.
5. Structural fill, backfill, and grading.
6. Replacement of unpaved roadways, and shrubbery plots.
7. Cleanup and miscellaneous work.
8. Foundation and borrow materials, except as hereinafter specified.
9. Testing and placing system in operation.
10. Any material and equipment required to be installed and utilized for the tests.
11. Pipe, structures, pavement replacement, asphalt and shell driveways and/or appurtenances included within the limits of lump sum work, unless otherwise shown.
12. Maintaining the existing quality of service during construction.
13. Maintaining or detouring of traffic.
14. Appurtenant work as required for a complete and operable system.
15. Seeding and hydromulching.
16. As-built Record Drawings.

### BID ITEM NO. 1 - PERMIT ALLOWANCE

- A. Description: Fees for submitting applications for permits required by various departments of Manatee County and State of Florida, required to complete construction in accordance with the plans and specifications.
- B. Measurement: The quantity measured for payment shall be the actual receipt-supported permit fees.
- C. Payment: Payment will be made at the actual cost to the Contractor for the permits required and acquired. Upon completion of the permitting process, the Contractor will submit receipts for permit fees to the Owner and Engineer. A change order shall be executed to adjust (increase or decrease) the lump sum contract price for any difference between the bid item allowance amount and the actual permit fees.

## **BID ITEM NO. 2 - MOBILIZATION/DEMOBILIZATION**

Payment of the applicable lump sum price shall include full compensation for the required 100 percent (100%) Performance Bond, 100 Percent (100%) Payment Bond, all required insurance for the project and the Contractor's mobilization and demobilization costs as shown in the Bid Form. Mobilization includes, but it not limited to: preparation and movement of personnel, equipment, supplies and incidentals such as safety and sanitary supplies/ facilities

Payment for mobilization shall not exceed 10 percent (10%) of the total Contract cost unless the Contractor can prove to the Owner and Engineer that his actual mobilization cost exceeds 10 percent (10%).

Partial payments for this Bid Item will be made in accordance with the following schedule:

Percent of Original Contract Amount:	Percent Allowable Payment of Mobilization/Demobilization Bid Item Price:
5	25
10	35
25	45
50	50
75	75
100	100

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.

## **BID ITEM NO. 3 - CHLORINATION STRUCTURE**

Payment of the applicable lump sum price shall be full compensation for furnishing all plant, labor, materials and equipment necessary for the construction of the chlorination containment structure, including, dewatering, concrete mat foundation and containment walls, housekeeping pads, metal pre-fabricated structure, louvers, concrete pedestal for pump skid, pre-engineered stairs with FRP railing, chemical resistant coating in containment area as shown in the Drawings and as described in the Contract Documents.

## **BID ITEM NO. 4 - SITE WORK AND YARD PIPING**

Payment of the applicable lump sum price shall be full compensation for furnishing all plant, labor, materials and equipment necessary to perform site work and install piping outside of the chlorination structure, including, but not limited to, an asphalt pull-off lane, erosion and sediment control, 10 MG tank drain relocation, demolition, 18-inch RCP, MES and connection to existing RCP, grading, stormwater swale, 3-inch tank fill line, tank fill station, 0.5-inch PVC carrier line within 2-inch PVC containment line, 0.5-inch PVC sample line, injection diffuser and manhole, sample line tap, 2-inch analyzer drain line as shown in the Drawings and as described in the

Contract Documents.

**BID ITEM NO. 5 - SODIUM HYPOCHLORITE TANKS**

Payment of the applicable lump sum price shall be full compensation for furnishing all plant, labor, materials and equipment necessary, including, but not limited to, two (2) 6,100 gallon HDPE chemical storage tanks, tank tie-downs, PVC fill lines, drain lines, supply lines, containment piping, vent piping as shown in the Drawings and as described in the Contract Documents.

**BID ITEM NO. 6 - CHEMICAL FEED SYSTEM AND RESIDUAL ANALYZER**

Payment of the applicable lump sum price shall be full compensation for furnishing all plant, labor, materials and equipment necessary, including, but not limited to, sodium hypochlorite duplex chemical dosing system and chlorine residual analyzer and eyewash/shower as described in and shown in the Contract Documents.

**BID ITEM NO. 7 - INSTRUMENTATION AND CONTROLS**

Payment of the applicable lump sum price shall be full compensation for furnishing all plant, labor, materials and equipment necessary will include, but not limited to, tank ultrasonic level transmitters, float switch, alarms, control panels and PLC programming as shown in the Drawings and as described in the Contract Documents.

**BID ITEM NO. 8 - ELECTRICAL**

Payment of the applicable lump sum price shall be full compensation for furnishing all plant, labor, materials and equipment necessary will include, but not limited to, power and signal wiring for all mechanical components, instruments and controls; conduit and raceways, grounding system as shown in the Drawings and as described in the Contract Documents.

**BID ITEM NO. 9 - CITECT SOFTWARE PROGRAMMING AND CONFIGURATION**

Payment of the applicable lump sum price shall be full compensation for furnishing all Citect software programming, components and configuration as shown in the drawings and described in the Contract Documents.

**BID ITEM NO. 10 - CONTRACT CONTINGENCY**

This payment item is for the Owner's requested changes in the work pertaining to the MARS Chlorination System at the SWWRF Work that requires authorization of the Owner prior to the work being performed. This item is not to cover work outlined in the plans and/or specifications or for work incidental to the completion of the project as outlined herein, and shall only be used when directed by the Owner.

Payment shall be made based on written authorization of the additional work. The authorization shall reflect the actual amounts agreed to by the Contractor and the Owner.

PART 2      PRODUCTS (NOT USED)

PART 3      EXECUTION (NOT USED)

END OF SECTION

## **SECTION 01900 PERMITS**

### **PART 1 GENERAL**

#### **1.01 GENERAL**

- A. The Contractor shall obtain temporary discharge permits from the Florida Department of Environmental Protection for the purpose of discharging groundwater from trenching operations.
- B. Where permits require that certain work is to be performed only in the presence of a representative of the permitting entity, the Contractor shall provide all coordination and notification required to assure the permit conditions are not violated.

#### **1.02 PERMITS**

- A. The Owner has obtained / will obtain permits from the following agencies where required for the construction of the work included in the project.
  - 1. FDEP ERP
- B. All other permits and licenses required to perform the work included in the contract are the complete and total responsibility of the CONTRACTOR including but not limited to the following:
  - 1. FDEP - NOI including preparation of SWPPP
  - 2. Generic Permit for the Discharge of Produced Groundwater
  - 3. Manatee County Building Permit (Application #15080454 submitted by McKim & Creed).

### **PART 2 PRODUCTS (NOT USED)**

### **PART 3 EXECUTION (NOT USED)**

**END OF SECTION**