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Solicitation Addendum

Addendum No.: 2
Solicitation No.: 24-TA004989DJ
Project No.: 6109670
Solicitation Title: LMWTP Sedimentation Basin C Sludge Collection Upgrade
Addendum Date: December 21, 2023
Procurement Contact: Dave Janney, Procurement Agent III

IFBC 24-TA004989DJ is amended as set forth herein. Responses to questions posed by prospective bidders are provided below. This Addendum is hereby incorporated in and made a part of IFBC 24-TA004989DJ.

The deadline to submit all inquiries concerning interpretation, clarification or additional information pertaining to this IFBC was December 15, 2023.

REPLACE:

SECTION B, BID FORMS, APPENDIX L, BID PRICING FORM

Replace Appendix L Bid Pricing Form (Revised), with Appendix L Bid Pricing Form (Revision 2) issued with Addendum No. 2, and available for download as a separate attachment.

REPLACE:

SECTION C, BID ATTACHMENTS, BID ATTACHMENT 2, TECHNICAL SPECIFICATIONS, SECTION 01150 MEASURE AND PAYMENT

Replace Bid Attachment 2, Technical Specifications, Section 01150, Measure and Payment, in its entirety with attached Revised Section 01150, Measure and Payment issued with Addendum No. 2, hereby incorporated into this IFBC.

Bid item #18 (basin cleaning) has been added to the bid form and measurement and payment section of the specifications. At the time the basin is drained, the County will go into Basin C1 and C2 and clean and remove large lime/sludge deposits using a small excavator. The purpose of

bid item #18 is for the contractor to perform additional cleaning for concrete preparation needed for basin C1 and C2 concrete repair work. The County will not be pressure washing or preparing the interior/exterior concrete surfaces to a level sufficient for concrete repair and lining work.

QUESTIONS AND RESPONSES:

Q1. There is no specification language regarding the requirements for the control panel required for the Traveling Bridge System. OVIVO proposes to provide our standard control panel which is detailed in the attached. Please advise if this is acceptable.

R1. The Engineer has previously coordinated the control panel requirements with OVIVO. The control panels will be provided with NEMA 4X 316 stainless steel enclosures. The electrical contractor will provide a 480V, 3-phase feeder with a minimum ampacity of 40 amperes to each control panel. The control panel shall be PLC based and provide Ethernet communications. Ethernet communications from the OVIVO control panels to the County's SCADA system shall be via fiber optic media. Each control panel shall be provided with a fiber optic media converter which is compatible with the County's existing fiber system. OVIVO shall provide the fiber optic cable as required per the contract documents. The Engineer will not review or approve the schematics provided by OVIVO, as the control methodology and required devices are solely OVIVO's responsibility.

Q2. Item 11 on the bid form calls for Lime Building expansion dowel and spall repair as a lump sum price. I do not see any drawings for the lime building other than S10A Photo 13. I want to be sure that the joint indicated and spall repair at that joint is all that is included with the lump sum price of the lime building and no other scope items will be included. Please confirm.

R2. The work for bid item #11 Lime Building Expansion Dowel and Spall Repair (Lump Sum) is associated with photo 13 on S10A and detail 2 sheet 12.

Q3. Can the Plant isolate the basin with the plant's valves configuration?

R3. A maximum 2-month construction widow will be provided once the basin is on bypass. There may be minor water leaking through the isolation gates, typically the County uses the sludge pumps as necessary to keep water out of the basin once in bypass.

Q4. Does the contractor have to provide any temporary bypass?

R4. No temporary bypass is anticipated. The construction window for this work is 2-months when Basin C will be bypassed fully.

Q5. What is the engineer's estimate of the project?

R5. Refer to the response in Addendum No. 1, Q1.

Q6. Is this project needing a bond and if so what is the percentage of the bond?

R6. See Section C, Bid Attachments, Bid Attachment 1, Insurance and Bond Requirements.

Q7. What is the cost for liquidated damages?

R7. See Section A, Information for Bidders, A.46, Liquidated Damages of the Bid documents.

Q8. When will this project start?

R8. The projected award is March of 2024, and the start of the project will be shortly after the award.

Q9. How many days are required to complete the project?

R9. Refer to Section A, Information for Bidders, A.45, Completion of Work.

Q10. Is the contractor responsible to pull the permit and if so what type of permit?

R10. Refer to the response in Addendum No. 1, Q4.

Q11. Who will supply the (2) Control Panels at bridge locations.

R11. OVIVO shall supply the control panels at the bridge locations.

Q12. Provide Integration and programming of SCADA & I/O

R12. Programming of the OVIVO control panels will be by OVIVO. All other integration and programming will be by the contractor.

NOTE:

Deleted items will be ~~struck through~~, added or modified items will be underlined. All other terms and conditions remain as stated in the IFBC.

INSTRUCTIONS:

Receipt of this Addendum must be acknowledged as instructed in the solicitation document. Failure to acknowledge receipt of this Addendum may result in the response being deemed non-responsive.

END OF ADDENDUM

AUTHORIZED FOR RELEASE

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 County 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 County until as-built (record) drawings have been submitted and approved by the County.

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

BID ITEM NO. 1 - MOBILIZATION

Measurement and payment for this Bid Item 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 County 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. 2 - PRECONSTRUCTION VIDEO

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum bid for the preconstruction video of the existing site conditions. Payment shall represent full compensation for all labor, materials, necessary equipment, and incidentals necessary to complete the work, ready for approval and acceptance by the County.

Measurement for periodic 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.

BID ITEM NO. 3 - RECORD DRAWINGS

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 as-built record drawings per specification section 01720 and the latest edition of the Manatee County Public Works Standards Manual. Also included is any other record drawing requirements for certifications to put proposed project into service. All items are subject to approval by the Engineer and the County.

Measurement for periodic 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.

BID ITEM NO. 4 - DEMOLITION

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 perform all the demolition work as shown on the Contract Drawings and specified herein,

including, but not limited to, removal of the existing traveling bridge equipment, existing traveling bridge running rail system, pipe, fittings, valves, equipment, walkways, gates, hand railing, conduit, control boxes, wire, electrical equipment, signs, railing assemblies, concrete slabs, miscellaneous concrete structures, lighting, and any other items required to be removed from the project. Removal of mechanical systems including proper disposal of any items demolished as part of this project as necessary for a completed system in accordance with the Contract Documents shall be included. Partial payments will be based on the breakdown of the Bid Item in accordance with the Schedule of Values submitted by the Contractor and approved by the County. Any equipment in working condition shall be salvaged as requested by the County.

Measurement for periodic 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.

BID ITEM NO. 5 - OVIVO TRAVELING BRIDGE MECHANICAL EQUIPMENT

Payment for all work includes, but is not limited to, under this Bid Item shall represent full compensation in accordance with the lump sum price bid for the purchase and installation of two (2) complete travelling bridge systems to be installed in sedimentation basin C-1 and sedimentation basin C-2, respectively. Equipment, labor, and materials includes but is not limited to motor drives, structural carriage and rake arms, aluminum grating walkway and handrails, access ladders, skimmer blades and assemblies, NSF-61 certified ThorPlas-White bearings, squeegees, cog wheel, cog track, running rails, limit switches, enclosures, sleeper plates, 316 stainless steel fasteners and anchor bolts, gear motor drives, all walkways and platforms including grating, railing assemblies, control panels, accessories as shown in the Contract Documents, spare parts as specified in specifications Section 464314, and all other materials and equipment necessary for a complete and fully operable system, including testing and start-up, all as shown on the Contract Drawings and/or called for in the Contract Specifications, ready for approval and acceptance by the County.

Measurement for periodic payments of this unit price bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor in accordance with the Contract Documents.

BID ITEM NO. 6 - EPOXY CRACK INJECTION

Payment for all work under this Bid Item shall represent full compensation in accordance with the unit price bid per linear foot of epoxy crack injection in accordance with the Contract Documents. Epoxy crack injection structural repair work shall include, but is not limited to, abrasive blast cleaning of concrete surface, reinforcement within limits with FRP composite, injection of entire length of crack, apply coating per specification section 09900 (non-immersion) or 09960 (immersion - NSF61 rated) for exterior/interior repairs covering the repair surface and 12" past the repair in all directions, and all other materials and equipment necessary for a complete repair as shown on the Contract Drawings and/or called for in the Contract Specifications, ready for approval and acceptance by the County and Engineer.

BID ITEM NO. 7 - POLYURETHANE FOAM GROUT CRACK INJECTION

Payment for all work under this Bid Item shall represent full compensation in accordance with the unit price bid per linear foot of polyurethane foam grout crack injection in accordance with the Contract Documents. Polyurethane foam grout crack injection structural repair work shall include, but is not limited to, abrasive blast cleaning of concrete surface, removal/chipping of corroded concrete, injection of entire length of crack, removal of residual resin, repair of corroded reinforcement, application of coating system paint per specification section 09900 (non-immersion) or 09960 (immersion - NSF61 rated) for exterior/interior repairs covering the repair surface and 12" past the repair in all directions,

and all other materials and equipment necessary for a complete repair as shown on the Contract Drawings and/or called for in the Contract Specifications, ready for approval and acceptance by the County and Engineer.

BID ITEM NO. 8 - JOINT SEALANT REPLACEMENT

Payment for all work under this Bid Item shall represent full compensation in accordance with the unit price bid per linear foot of joint sealant replacement in accordance with the Contract Documents. Joint sealant replacement work shall include, but is not limited to, removal of existing joint sealant, abrasive blast cleaning, backer rod, joint filler, bond breaker tape, primer, non-sag sealant, self-leveling sealant, application of coating system paint per specification section 09900 (non-immersion) or 09960 (immersion - NSF61 rated) for exterior/interior repairs covering the repair surface and 12" past the repair in all directions, and all other materials and equipment necessary for a complete repair as shown on the Contract Drawings and/or called for in the Contract Specifications, ready for approval and acceptance by the County and Engineer.

BID ITEM NO. 9 - SPALL/DELAMINATION REPAIR

Payment for all work under this Bid Item shall represent full compensation in accordance with the unit price bid per square foot of spall/delamination repair in accordance with the Contract Documents. Spall/delamination structural repair work shall include, but is not limited to, replacement of corroded reinforcement and concrete, abrasive blast cleaning of concrete and reinforcement surface, placement of repair mortar, application of coating system paint per specification section 09900 (non-immersion) or 09960 (immersion - NSF61 rated) for exterior/interior repairs covering the repair surface and 12" past the repair in all directions, and all other materials and equipment necessary for a complete repair as shown on the Contract Drawings and/or called for in the Contract Specifications, ready for approval and acceptance by the County and Engineer.

BID ITEM NO. 10 - DECK / COATING REPAIR

Payment for all work under this Bid Item shall represent full compensation in accordance with the unit price bid per square foot of Structural Deck Repair and Concrete Coating. Deck/coating structural repair work shall include, but is not limited to, removal of delaminated coating, surface cleaning and preparation, deck repair, application of coating system paint per specification section 09900 (non-immersion) or 09960 (immersion - NSF61 rated) for exterior/interior repairs covering the repair surface and 12" past the repair in all directions, and all other materials and equipment necessary for a complete repair as shown on the Contract Drawings and/or called for in the Contract Specifications, ready for approval and acceptance by the County and Engineer.

Measurement for periodic 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.

BID ITEM NO. 11 - LIME BUILDING EXPANSION DOWEL AND SPALL REPAIR

Payment for all work includes, but is not limited to, under this Bid Item shall represent full compensation in accordance with the lump sum price bid for the lime building expansion dowel and spall repair in accordance with the Contract Documents. Lime building expansion dowel and spall repair work shall include, but is not limited to, replacement of corroded reinforcement and concrete, chipping and abrasive blast cleaning of concrete and reinforcement surface, placement of repair mortar and grout, application of coating system paint per specification section 09900 (non-immersion) or 09960 (immersion - NSF61 rated) for exterior/interior repairs covering the repair surface and 12" past the repair in all directions, installation of join material, hot dipped galvanized angle plate and anchors,

installation of rod backer and joint sealant, and all other materials and equipment necessary for a complete repair as shown on the Contract Drawings and/or called for in the Contract Specifications, ready for approval and acceptance by the County and Engineer.

Measurement for periodic 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.

BID ITEM NO. 12 - 6" DEZURIK SWING CHECK VALVE

Payment for all work included in this Bid Item shall be made at the applicable Contract unit price bid for furnishing and installing each 6" Dezurik APCO CVS-6000-AC Swing Check Valve with Air Cushion as shown on the Contract Documents and listed on the Bid Form. Measurement and Payment shall be made for each valve installed and will represent full compensation for all labor, materials, air cushion, disc and disc arm, limit switch, piping modifications, flange fillers, reconnection of electrical equipment, testing, cleaning, appurtenances including adapters, painting, and any mechanical adjustments needed to complete this bid item.

BID ITEM NO. 13 - 6" PRATT FULL ROUND PORT PLUG VALVE

Payment for all work included in this Bid Item shall be made at the applicable Contract unit price bid for furnishing and installing each 6" Pratt Full Round Port Plug Valve as shown on the Contract Documents and listed on the Bid Form. Measurement and Payment shall be made for each valve installed and will represent full compensation for all labor, materials, piping modifications, flange fillers, reconnection of electrical equipment, testing, cleaning, appurtenances including adapters, painting, and any mechanical adjustments needed to complete this bid item.

BID ITEM NO. 14 - 4" PRATT FULL ROUND PORT PLUG VALVE

Payment for all work included in this Bid Item shall be made at the applicable Contract unit price bid for furnishing and installing each 4" Pratt Full Round Port Plug Valve as shown on the Contract Documents and listed on the Bid Form. Measurement and Payment shall be made for each valve installed and will represent full compensation for all labor, materials, piping modifications, flange fillers, reconnection of electrical equipment, testing, cleaning, appurtenances including adapters, painting, and any mechanical adjustments needed to complete this bid item.

BID ITEM NO. 15 - 4" VALMATIC BUTTERFLY VALVE

Payment for all work included in this Bid Item shall be made at the applicable Contract unit price bid for furnishing and installing each 4" Valmatic Butterfly Valve as shown on the Contract Documents and listed on the Bid Form. Measurement and Payment shall be made for each valve installed and will represent full compensation for all labor, materials, piping modifications, flange fillers, testing, cleaning, appurtenances including adapters, painting, and any mechanical adjustments needed to complete this bid item.

BID ITEM NO. 16 - ELECTRICAL, INSTRUMENTATION, INTEGRATION, AND CONTROLS

Payment for all work included under this Bid Item shall represent full compensation in accordance with the lump sum price bid for furnishing and installing the Electrical, Fiber Optic, and SCADA system modifications, including but not limited to power connections to existing Facility, new conduit and conductors, new fiber optic cable, new fiber optic cable terminations, pull boxes and junction boxes; testing of power and fiber cable to each of the new components; and all other labor, materials, and equipment necessary for the complete and fully operable two traveling bridge clarifier mechanical equipment systems, including hiring a County approved integrator and integration into the County's

existing SCADA system, testing and start-up, all as shown on the Contract Documents, ready for approval by the Engineer and acceptance by the Owner.

Measurement for periodic 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

BID ITEM NO. 17 - ALLOWANCE - PERMITTING

The County is allowing for a permitting allowance of \$10,000. Contractor shall include this allowance in his bid. Payment will only be made for the actual permits required and completed. Contractor shall provide justification for payment at time of billing.

BID ITEM NO. 18 - BASIN C CLEANING

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 perform the cleaning and removing lime sludge build up from both basins C1 and C2 as needed to complete the work on the Contract Drawings including concrete preparation for repair work and specified herein, including but not limited to rental of crane and excavators, pressure washing/sand blasting concrete, removal and disposal of lime sludge and lime cake build up in concrete basin, and any equipment required to properly remove, dispose and transport lime sludge from both basin C1 and basin C2.

Measurement for periodic 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.

BID ITEM NO. 19 - CONTRACT CONTINGENCY

Payment for all work under this Bid Item shall be made only at the County's discretion. This Bid Item shall not exceed 10% of the Bidders Total Base Bid. The Bidder shall calculate and enter a dollar amount for this Bid Item.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION