



Procurement Bid Office
Customer Center 1st Floor, Room 002
21 W. Church Street
Jacksonville, Florida 32202

June 14, 2018

ADDENDUM NUMBER: **Four (4)**

TITLE: **Bradley Road and Argyle Forest Boulevard Wastewater Pump Station Improvement Projects**

JEA SOLICITATION NUMBER: **080-18**

BID DUE DATE: **June 26, 2018**

DUE DATE TIME: **12:00 PM**

TIME OF OPENING: **2:00 PM**

THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES

The question and answer period has closed for this Solicitation.

CHANGE: The Bid Due Date has been changed to **June 26, 2018, 12:00 PM Noon, EST.**

CHANGE: The Bid Workbook issued with this Addendum 4, replaces the Bid Workbook(s), previously issued.

ADD: The Bradley Road Pump Station Equipment Attribute worksheet for specification section 01731 Asset Management Data, has been added to this Addendum 4.

CHANGES TO DRAWINGS

1. Bradley Road Pump Station Replacement Project: Add the following sheets - MOT-1, MOT-2 attached to this Addendum 3.
2. Bradley Road Pump Station Replacement Project: Replace Sheet M-5 with Sheet M-5 attached to this Addendum 3.
3. Bradley Road Pump Station Replacement Project: Replace Sheet S-2 with Sheet S-2 attached to this Addendum 3.

CHANGES TO THE SPECIFICATIONS

1. Bradley Road Pump Station Replacement Project: Add Specification Section 07840 Fire Resistive Joint Systems to the Table of Contents.
2. Bradley Road Pump Station Replacement Project: Add Specification Section 07841 Penetration Firestopping to the Table of Contents.
3. Bradley Road Pump Station Replacement Project: Add Specification Section 07840 Fire Resistive Joint Systems (attached to this Addendum 3).
4. Bradley Road Pump Station Replacement Project: Add Specification Section 07841 Penetration Firestopping (attached to this Addendum 3).
5. Bradley Road Pump Station Replacement Project: Specification Section 08225 Fiberglass Reinforced Polyester Doors and Frame Delete Paragraph 1.02 B in its entirety.
6. Bradley Road Pump Station Replacement Project: Specification Section 08225 Fiberglass Reinforced Polyester Doors and Frame Add Paragraph 1.03 B as follows, "Submit Copy of all required door/frame/hardware submittal data to accurately and completely show compliance with FM Global Requirements listed in this specification. It shall be the responsibility of

the contractor and supplier to put together a complete door/frame/hardware package that meets the specific FM Global requirements and wind pressures in this specification.”

7. Bradley Road Pump Station Replacement Project: Specification Section 08225 Fiberglass Reinforced Polyester Doors and Frame Add Paragraph 1.10 as follows:

1.10 System Performance Requirements

A. Structural Performance, Exterior Doors: Exterior doors, frames and hardware shall withstand the wind loads, the effects of gravity loads and loads and stresses within limits and under conditions indicated according to ASCE 7.

1. Wind Loads: As indicated on Structural Drawings.

B. FM Global Requirements

1. Provide door/frame/hardware system in compliance with the FM Global pressure requirements as outlined in FM Global Property Loss Prevention Data Sheet 1-28 Wind Design for Exterior Doors.

C. Component and cladding winds loads pressures shown on the structural and FM Global requirements as outlined in FM Global Property Loss Prevention Data Sheet 1-28 Wind Design for Exterior Doors each represent the minimum requirement for each criterion. The door/frame/hardware systems shall be designed, manufactured and installed for the greater of the two wind load requirements.

D. It shall be the responsibility of the contractor and door supplier to coordinate both of the above requirements and provide a door/frame/hardware system that meets or exceeds both the Structural Performance and FM Global Requirements outlined above.

8. Bradley Road Pump Station Replacement Project: Specification Section 08225 Fiberglass Reinforced Polyester Doors and Frame Add Paragraph 2.03 as follows and renumber subsequent paragraph:

3.03 Fire Rated Openings

A. Physical Performance: 90 min rated

B. Doors:

- a. Type: As indicated on Door and Frame Schedule.
- b. Thickness: 1-3/4 inches
- c. Face: FRP, 0.120 inch-thick, embossed pebble texture
- d. Core: Manufacturer's standard mineral core

C. Frames:

- a. Construction: Slip-on drywall

9. Bradley Road Pump Station Replacement Project: Specification Section 08331 Overhead Coiling Doors Add Paragraph 1.03 H as follows, *“Submit Copy of all required overhead coiling door submittal data to accurately and completely show compliance with FM Global Requirements listed in this specification. It shall be the responsibility of the contractor and supplier to put together a complete overhead coiling door package that meets the specific FM Global requirements and wind pressures in this specification.”*

10. Bradley Road Pump Station Replacement Project: Specification Section 08331 Overhead Coiling Doors Add Paragraph 1.05 E, F and G as follows:

E. FM Global Requirements

1. Provide overhead coiling door system in compliance with the FM Global pressure requirements as outlined in FM Global Property Loss Prevention Data Sheet 1-28 Wind Design for Exterior Doors.

F. Component and cladding winds loads pressures shown on the structural and FM Global requirements as outlined in FM Global Property Loss Prevention Data Sheet 1-28 Wind Design for Exterior Doors each represent the minimum requirement for each criterion. The overhead coiling door system shall be designed, manufactured and installed for the greater of the two wind load requirements.

G. It shall be the responsibility of the contractor and door supplier to coordinate both of the above requirements and provide an overhead coiling door system that meets or exceeds both the Structural Performance and FM Global Requirements outlined above.

11. Bradley Road Pump Station Replacement Project: Specification Section 08710 Door Hardware Add Paragraph 3.08 A.1.8 as follows, *“The above door hardware is the owner's design standard and shall be the basis of design for exterior door hardware. Door Hardware requirements for exterior doors shall be coordinate with the requirements of the door and frame product approval to meet the exterior doors Structural Performance Requirements and FM Global wind loading requirements.”*

12. Bradley Road Pump Station Replacement Project: Specification Section 10200 Louvers Add Paragraph 1.03 H as follows, *“Submit Copy of all required louver submittal data to accurately and completely show compliance with FM Global*

Requirements listed in this specification. It shall be the responsibility of the contractor and supplier to put together a complete louver package that meets the specific FM Global requirements and wind pressures in this specification.”

13. Bradley Road Pump Station Replacement Project: Specification Section 10200 Louvers Add Paragraph 1.06 D, E and F as follows:

D. FM Global Requirements

1. Provide louver system in compliance with the FM Global pressure requirements as outlined in FM Global Property Loss Prevention Data Sheet 1-28 Wind Design for Louvers in Exterior Walls.

E. Component and cladding winds loads pressures shown on the structural and FM Global requirements as outlined in FM Global Property Loss Prevention Data Sheet 1-28 Wind Design for Louvers in Exterior Walls each represent the minimum requirement for each criterion. The louvers shall be designed, manufactured and installed for the greater of the two wind load requirements.

F. It shall be the responsibility of the contractor and louver supplier to coordinate both of the above requirements and provide a louver system that meets or exceeds both the Structural Performance and FM Global Requirements outlined above.

14. Bradley Road Pump Station Replacement Project: Specification Section 13125 Metal Building Systems Add Paragraph 1.03 R as follows, *“Submit Copy of all required metal building system submittal data to accurately and completely show compliance with FM Global Requirements listed in this specification. It shall be the responsibility of the contractor and supplier to put together a complete metal building system package that meets the specific FM Global requirements and wind pressures in this specification.”*

15. Bradley Road Pump Station Replacement Project: Specification Section 13125 Metal Building Systems Add Paragraph 1.03 S as follows, *“Submit completed FM Global Form 2688 Checklist for Roofing System.”*

16. Bradley Road Pump Station Replacement Project: Specification Section 13125 Metal Building Systems Add Paragraph 1.07 F as follows,

- A. FM Approvals Listing: Provide metal roofing, flashings and component material that comply with requirements in FM Approvals 4470 and FM Approvals 4471 as part of a roofing system and that are listed FM Approvals “RoofNav” for Class I or noncombustible construction, as applicable. Identify materials with FM Approvals markings.

1. Roof Windstorm Minimum Classification:

- a. Field: Class 1-105
- b. Perimeter: Class 1-150
- c. Corner (8 ft x 8 ft): Class 1-210

- B. Provide wall system in compliance with the FM Global pressure requirements as outlined in FM Global Property Loss Prevention Data Sheet 1-28 Wind Design for FM Approved Exterior Wall Ratings.

- C. Winds loads pressures shown on the structural and FM Global requirements as outlined in FM Global Property Loss Prevention Data Sheet 1-28 Wind Design for FM Approved Exterior Wall Ratings each represent the minimum requirement for each criterion. The building shall be designed, manufactured and installed for the greater of the two wind load requirements.

- D. It shall be the responsibility of the contractor and building supplier to coordinate both of the above requirements and provide a building system that meets or exceeds both the Structural Performance and FM Global Requirements outlined above.

17. Bradley Road Pump Station Replacement Project: Specification Section 13125 Metal Building Systems Delete Paragraph 2.07 B.5 and Replace with *“Clips: Standing Seam Metal Roofing Clips with minimum three fasteners per clip and spaced in field, perimeter and corner to meet the Structural Performance and FM Global wind load requirements.”*

18. Bradley Road Pump Station Replacement Project: Specification Section 15440 Plumbing – Fixtures and Trim Delete Paragraph 2.04 A and D in its entirety and Replace with *“A. Water closet shall be vitreous china floor mounted floor outlet elongated bowl, 1.6 gallon siphon jet flushing with 1 1/2 in top spud, American Standard Company Madera Model 2854.016 or equal. Top of seat shall be between 17-in and 19-in above finish floor for handicapped use.”*

19. Bradley Road Pump Station Replacement Project: Specification Section 15440 Plumbing – Fixtures and Trim Delete Paragraph 2.05 B and Replace with *“B. Single lever deck mounted 4”- Hot and Cold water mixing faucet with 0.5 GPM non-aerating spray and ceramic cartridge, Chicago Faucet Company Model (420-ABCP).”*

RESPONSES TO QUESTIONS FROM BIDDERS

1. **INQUIRY:** Spec 13500, 3.02.D says, “A temporary bypass pump shall be made available by the Contractor at the time of the hot taps.” If a bypass pump and piping are required to be onsite and in place prior to the hot tap operation, please provide the following information so that accurate costs can be provided with the bid;

- Location of suction and discharge points.
- Average Daily Flows
- Peak Rain Event Flows

➤ **RESPONSE:** It is not anticipated that a temporary bypass pump for Argyle Forest Boulevard Pump Station will be needed. However, the Contractor will be responsible to provide temporary bypass pumping systems if the Contractor deems necessary during construction.

2. **INQUIRY:** At the Argyle Forest Blvd Pump Station site the material of the existing 20" FM pipe that has to be hot tapped is not indicated, please provide.

➤ **RESPONSE:** The 20-inch FM is PVC. Test hole reports for Argyle and Rampart are attached to this Addendum 3 for reference. The Contractor shall field verify pipe material, size and elevations during construction.

3. **INQUIRY:** At the Rampart Rd Pump Station site the material of the existing 8" WM pipe is not indicated, please provide.

➤ **RESPONSE:** The 8-inch WM is PVC. Test hole reports for Argyle and Rampart are attached to this Addendum 3 for reference. The Contractor shall field verify pipe material, size and elevations during construction.

4. **INQUIRY:** Is it correct that for Bradley Road the Jockey Pump VFDs will be in the Motor Control Centers that are furnished by the electrical contractor, as shown on E-4; and that the Booster Pump VFDs will be furnished by a JEA approved control panel manufacturer, as shown on E-23.

➤ **RESPONSE:** For the Bradley Road project, the Jockey Pump VFDs shall be in the Motor Control Centers that are furnished by the electrical contractor, as shown on E-4. The Booster Pump VFDs shall be furnished by a JEA approved lift station control panel manufacturer, as shown on E-23. The VFD suppliers shall coordinate the VFD requirements with the pump and motor manufacturer. The pump supplier shall coordinate the pump and motor requirements with the VFD manufacturers.

5. **INQUIRY:** In the Bradley Rd section of the spec, it calls for JEA to provide programming. In the Argyle Forest section of the spec, it calls for the system supplier to do the programming. Which is correct?

➤ **RESPONSE:** For the Bradley Road project, the Contractor shall be responsible for providing the local supervisory control system per Specification Section 16900, 2.05.A. All PLC programming shall be provided by the Contractor. The Contractor's attention is directed to specification sections 16900 and 16950 regarding the programming requirements. The remote WinCC programming only will be provided by JEA per Specification Section 16900, 2.05.A.1.

JEA will provide programming for the Argyle Forest project. For the Argyle project, refer to Specification Section 13300, paragraph 1.01.D.3.

6. **INQUIRY:** Are the VFD panels in Argyle Forest to be configured the same as the Bradley Rd VFD panels?

➤ **RESPONSE:** Yes, the Argyle Forest VFD's are specified based on JEA standard 6-pulse drives and JEA's two approved manufacturers/model numbers.

7. **INQUIRY:** Will there be a generator Distributed I/O panel to interface to the generator at both Argyle Forest and Bradley Rd?

➤ **RESPONSE:** For the Bradley Road project, as indicated on drawing E-5, the I/O for the generator and the automatic transfer switches will be connected to the PLC panel in the electrical room. There will not be a distributed I/O panel for the generator.

For the Argyle Forest project, only a single generator control panel with a Profibus DP to the pump station control panel is required. Refer to Sheet I-4.

8. **INQUIRY:** Are there drawings available for the Argyle Forest Pump Station Control Panel?

- **RESPONSE:** There are no modifications being made to the existing Argyle Forest Pump Station control panel. The Contractor will be required to provide panel drawings for the Rampart Road Pump Station during construction for review and approval. Refer to JEA standard control panel drawings for in-line booster pump stations for general construction. The control panel shall meet the requirements in the Specifications and Drawings.
9. On drawing M-3 for Bradley Road, it calls for the Stainless Steel piping below the building to be seamless. Please clarify if it's just the pipe that's to be seamless and/or the 90 degree elbow to also be seamless.
- **RESPONSE:** The pipe and the 90-degree elbow shall be seamless.
10. Section 15066 for Bradley Road there may be some ambiguity. If you look at 1.06 C.1, it calls out for Schedule 40S and then in 2.01 B.1 it states that all piping to be Schedule 10, at a minimum. Which is correct?
- **RESPONSE:** All stainless steel piping shall be Schedule 40S.
11. **INQUIRY:** Response to question #3 indicated there was an attached letter titled "*CIAC Charges for Installation of additional transformer @ Booster Station for additional items not included by JEA.*" We did not see any attached letter provided with Addendum #3. Can you provide the document in the next addendum.
- **RESPONSE:** CIAC Letter is attached.
12. **INQUIRY:** Spec Section 01014 Construction Sequence for the Bradley Road PS, Part 3.01.A.6 indicates that the Contractor is to provide a temporary diesel-driven pumps and fuel system of equivalent capacity and performance as the existing diesel-driven pumps during relocation. Additional information is required to provide a temporary pump system such as average daily flows along with max rain event flow to be pumped.
- **RESPONSE:** The existing diesel back up pump curves at the Bradley road site (small and large) are attached.
13. **INQUIRY:** Is there any Lead or Asbestos Survey needing to be performed for the project? If so, can an allowance be provided for the survey and cost of any remediation?
- **RESPONSE:** The contractor is responsible for performing a lead and asbestos survey of the existing Bradley Rd PS building prior to demolition and implementing the required protective measures during the demolition phase as required. An allowance has been added to the Bid Workbook.
14. **INQUIRY:** In reference to drawing S-2 for the Bradley Road Wastewater Booster Pump Station, the foundation plan view calls out two slab construction joints however, the referenced detail is shown to be G/SD-1. This detail is for base slab / wall expansion joints. Please indicate if the detail callout should be revised to H/SD-1.?
- **RESPONSE:** Drawing sheet S-2, Foundation Plan have been modified attached, reference to CONST JT, DET G/SD-1 revised to read CONST JT, DET H/SD-1. Relocate the west joint 4 inches east, and the east joint 4 inches west, to avoid the pump supports.

Acknowledge receipt of this addendum on the Bid Form