



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

September 9, 2019

ADDENDUM NUMBER: Two (2)

TITLE: Bradley Road Booster Pump Station.

JE A IFB NUMBER: 106-19

PROPOSAL DUE DATE: September 17, 2019

TIME OF RECEIPT: 12:00 PM

TIME OF OPENING: 02:00 PM

THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES OR CLARIFICATIONS:

1. JEA is add in the following files for this solicitation:
 - 106-19 Addendum 2 Appendix C - FDEP Permit
 - 106-19 Addendum 2 Appendix C - Original Record Drawings OCT 1981
 - 106-19 Addendum 2 Appendix C - 30 Percent Geotechnical Report
 - 106-19 Addendum 2 Appendix B - Workbook
 - 106-19 Addendum 2 Appendix B - Forms
 - 106-19 Addendum 2 Appendix C - Meter Change Drawing Markups
 - 106-19 Addendum 2 Appendix C - Horizontal Pump Conceptual Layout
 - 106-19 Addendum 2 Appendix C - Vac Prime Layout
 - 106-19 Addendum 2 Appendix C - E-3 Drawing Correction
 - 106-19 Addendum 2 Appendix C - E-4 Drawing Correction
 - 106-19 Addendum 2 Appendix C - E-6 Drawing Correction
 - 106-19 Addendum 2 Appendix C - E-11 Drawing Correction

2. JEA is making the following clarifications:

JEA will not salvage any items other than those specifically identified by plan.

Contractor may properly dispose of residuals from wet-well clean out at Buckman plant.

On Sheet C-2D, Phase IV Demolition, ADD the following note:

Acknowledge receipt of this Addendum on the Proposal Form (Appendix B)

Clean and remove all wet-well sewage and debris and dispose of properly. Existing wet-well structure to be removed to an elevation of five feet below the existing ground surface (approximately EL32). A minimum of five feet of clean pervious soil or sand shall be placed between the dry retention pond bottom and the flowable fill cap. Remove all internal equipment, provide the specified cored openings in the bottom slab, backfill with 57 stone and top with a minimum of five feet clean permeable soil or sand. All temporary sheeting for the demolition of the structure shall be removed. See additional notes on Sheet S-1 for structural requirements for the demolition.

On Sheet C-3. DELETE the effluent magnetic meters (two locations) and replace with ultrasonic clamp-on type meters. Delete effluent meter vaults (two locations). Revise piping to delete reducers, fittings, valves sleeves and replace with 30" SS FLG spool 20 LF (above grade) and associated fittings. See Attachment 1. DELETE the magnetic flowmeter shown on sheet ED-1, ADD Flexim 7407 Ultrasonic Flowmeter as shown in the information included in 106-19 Addendum 2 Appendix C - Meter Change Drawing Markups

BID ALTERNATE for installation of Flygt N-Series horizontal arrangement (NZ configuration) as listed in the revised bid form as shown in 106-19 Addendum 2 Appendix C - Horizontal Pump Conceptual Layout. Should JEA choose to utilize this horizontal arrangement option, line 22 of the workbook will be used to replace line 4 (No.1) of the workbook.

On Sheet M-4, ADD the Vacuum Priming System as Specified in Section 11313 complete, including but not limited to air and drain piping with trip-hazard covers, vacuum priming unit, control panel, instrumentation, electrical power feed and conduit, air/vacuum valves, and equipment pad to the Diesel Pump System Plan as shown in 106-19 Addendum 2 Appendix C - Vac Prime Layout.

REPLACE sheet E-3 with the attached, indicating the conduit and wiring revisions (S354, S354) to accommodate the change from magnetic flow meters to ultrasonic flow meters. Also indicating the conduit and wiring additions (P370, C370, C371, C372) to accommodate the addition of the vacuum priming system.

REPLACE sheet E-4 with the attached indicating the additions to MCC-3 required to accommodate the addition of the vacuum priming system.

REPLACE revised sheet E-6 with the attached indicating the changes required to accommodate the change from vault mounted magnetic flow meters to above ground mounted ultrasonic flow meters.

REPLACE sheet E-11 indicating the instrumentation changes required to accommodate the change from magnetic flow meters to ultrasonic flow meters.

3. JEA is holding an additional optional site visit at the following date & time:

September 11, 2019, at 3:00 PM

JEA Bradley Rd Pump Station

10477 Bradley Rd., Jacksonville, FL 32246

Acknowledge receipt of this Addendum on the Proposal Form (Appendix B)

4. JEA is responding to the following questions:

Question:

What is the current volume in the pit to be cleaned out?

Answer:

Station will be pumped down to elevation 24.75 NGVD, contractor to review Record drawings for quantification of residuals volume below the stipulated elevation and station floor elevation, 18.52' NGVD. Removal of the residuals in the wet well below elevation 24.75 are all inclusive and subject to contractor means and methods with pumping to the emergency bypass as an available option for the contractor.

Question:

Will there be a unit price allowance for the pit clean out?

Answer:

No, the wet-well will be provided to the Contractor drawn down to the approximate elevation of 24.75 NGVD.

Question:

Can JEA post the original drawings for the station?

Answer:

See attached file: 106-19 Addendum 2 Appendix C - Original Record Drawings OCT 1981

Question:

What is the engineers estimate?

Answer:

\$7.8m

Question:

I'm going through all of the front end documents and I'm unsure what the list of RBL 18H Line Verification you are referring to.

Answer:

Dis-regard the reference to the RBL 18H form. It is not required.

Question:

The Profibus terminator is called out on drawing/spec E-22, 16000-10 and 16900-11. In the notes (note 3) on drawing E-22 it says to put the Profibus connector switch to "off". This acts as the terminating resistor for the connector and the need for a separate terminating resistor is eliminated. Is it your intent to use this as the terminating resistor or are you wanting a separate terminating resistor at each VFD? Using the built in switch is a significant savings.

Answer:

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Use the Profibus Terminator, Procentec 101-00211A. An active Profibus termination resistor is preferred over the connector's integral resistor for these links.

Question:

Section 16950 of the spec covers the I&C portion of the project. Will the program be done by the integrator or by JEA?

Answer:

Programming will be done by a system integrator.

Question:

Are WAGO terminal blocks acceptable on this project?

Answer:

WAGO TopJob S terminal blocks are specified.

Question:

Request that the geotechnical information for the current site be provided. At a minimum, please provide the specific information on borings SPT-1, SPT-2, and DRI-1 shown on Drawing No. C-1.

Answer:

See file 106-19 Addendum 2 Appendix C – 30 Percent Geotechnical Report

Question:

Drawing C-2D, Note 12 says to backfill the existing wet well structure with 57 stone and then top with a minimum of 5 feet of clean permeable soil or sand. The final Existing Structure Demolition Note on Drawing S-1 states that clean structural fill shall be placed in compacted lifts not to exceed 2' and also allows an alternative to fill the existing shell with 100 psi flowable fill. Please verify whether the existing structure is to be backfilled with 57 stone or with clean structural fill in 2' lifts? Please also verify that the 100 psi flowable fill option is still allowed in lieu of the fill.

Answer:

The design intent is to offer several suitable options for filling of the existing wetwell. If Contractor chooses to use 57 stone fill, a non-woven geotextile fabric equal to Mirafi 140 N shall be installed at the stone/sand interface. If sand is used, 2 foot lifts and compaction will be required. Flowable fill is a suitable method. Complete material submittals will be required regardless of the method/material used.

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