



# CITY OF SUFFOLK

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## ADDENDUM NO. 1

City of Suffolk  
IFB #18072-JS  
May 29, 2018

Purchasing Division  
442 Market Street, Room 1086  
Suffolk, VA 23434-5237

[http://apps.suffolkva.us/bids/bid\\_search\\_all.jsp](http://apps.suffolkva.us/bids/bid_search_all.jsp)

The Invitation for Bid (IFB) for IFB 18072-JS for Water Treatment Plant Improvements Project for the Department of Public Utilities has been amended.

All bid submittals shall conform to this Addendum. Bidders are responsible for familiarizing themselves with the modifications and the effect they may have on the scope of work.

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of the G. Robert House, Jr. WTP Surface Water Treatment Facilities Improvement Project, dated May 2018, as fully and completely as if the same were fully set forth therein:

A. TABLE OF CONTENTS

1. Page 3, Section 08 45 00, DELETE the word "...Removable..." in the Section title.

B. PART 1, PROCUREMENT REQUIREMENTS

1. Section 00 21 13, Instructions to Bidders  
Supplement, ADD the following Supplement, ATTACHED:
  - a. Bidder Qualifications

C. PART 3, SPECIFICATIONS

1. Section 07 11 13, Bituminous Damproofing  
REPLACE this Section with new Section, ATTACHED.
2. Section 08 45 00, Translucent Wall and Skylight

REPLACE this Section with new Section, ATTACHED.

3. Section 40 27 02, Process Valves and Operators

Supplements, ADD the following Supplements, ATTACHED:

- a. Table 2, Electrically Operated Valves (Modulating Type).
- b. Table 3, Air and Vacuum Release Valves.
- c. Table 4, Pressure Reducing Valves.

4. Section 40 90 10, Process Instrumentation and Control Systems (PICS)

Supplement 40 90 10.01, Loop Specifications; REPLACE the Loop Specifications with new Loop Specifications, ATTACHED.

5. Section 40 90 11, Instrument and Panels Subsystem (IPS)

Supplement 40 90 11.01, Component Specifications, following Paragraph J, INSERT the following new paragraph:

"K. P6 Pressure Seal, Diaphragm:

1. General:
  - a. Function: Isolate sensing element from process fluid.
  - b. Type: Fluid filled, corrosion resistant.
2. Service:
  - a. Pressure: Same as associated sensor.
3. Features:
  - a. Materials:
    - 1) Lower Housing: Instrument manufacturer shall submit his material compatibility chart demonstrating the proposed material is suitable for the intended application.
    - 2) Diaphragm Material: Instrument manufacturer shall submit his material compatibility chart demonstrating the proposed material is suitable for the intended application.
  - b. Bleed screw in upper housing.
  - c. Fill: Suitable for food grade applications.
4. Process Connections:
  - a. Instrument: 1/2-inch female NPT, unless otherwise noted.
  - b. Process: 1/2-inch female NPT, unless otherwise noted.
  - c. Connection Material: As noted.
5. Manufacturers:
  - a. Ametek, Mansfield and Green Division; Type SG.
  - b. Ashcroft; Type 101."

6. Section 44 11 20.02, Packaged Packed Tower Odor Control System

REPLACE this Section with new Section, ATTACHED.

D. PART 4, DRAWINGS

1. Sheet 051, Drawing No. 020-M-201  
REPLACE existing drawing with new drawing, ATTACHED.
2. Sheet 053, Drawing No. 030-D-101  
REPLACE existing drawing with new drawing, ATTACHED.
3. Sheet 127, Drawing No. 050-D-101  
REPLACE existing drawing with new drawing, ATTACHED.
4. Sheet 137, Drawing No. 070-BS102  
REPLACE existing drawing with new drawing, ATTACHED.

E. STANDARD DETAILS

1. REVISE the 5" depth dimension to 6" on the following Standard Details:
  - a. 0811-037
  - b. 0811-038
  - c. 0811-079A
  - d. 0811-079B
  - e. 0851-005
  - f. 0851-012

Appended hereto and part of Addendum No. 1

- A. Section 00 21 13, Supplement: Bidder Qualifications
- B. Section 07 11 13, Bituminous Damproofing.
- C. Section 08 45 00, Translucent Wall and Skylight.
- D. Section 40 27 02, Process Valves and Operators, Supplements: Tables 2, 3, and 4 (one page each).
- E. Section 40 90 10, Process Instrumentation and Control Systems (PICS), Supplement 40 90 10.01, Loop Specifications.
- F. Section 44 11 20.02, Packaged Packed Tower Odor Control System.
- G. Sheet 051, Drawing No. 020-M-201.
- H. Sheet 053, Drawing No. 030-D-101.
- I. Sheet 127, Drawing No. 050-D-101.
- J. Sheet 137, Drawing No. 070-BS102.

The following questions and answers are incorporated in the bid:

Q1: According to spec section 075423, paragraph 2.01, specifying 80 mil TPO to be used on this project, the 3rd manufacturer mentioned Stevens/Dow EP TPO. Dow stopped selling TPO in 2011 3 years after acquiring Stevens and there is no longer a TPO product marketed under the Stevens or JP Stevens brand. Would Carlisle Syntec Sure-Weld TPO be approved to be bid as an alternate?

A1: Yes, the proposed product is an acceptable alternate.

Q2 The skylight located in the sludge dewatering building is existing. Please confirm the location of the skylight specified in section 084500.

A2: The specified skylights are located in the Filter Building. See Sheet 064, Drawing No. 030-A-103, Sheet 065, Drawing No. 030-A-104, and Section 08 45 00, Translucent Wall and Skylight, revised per Addendum No. 1.

Q3 Detail 3312-655 Air Release shows 2" inlet and outlet. Are all of the Air Release on this project 2"?

A3: See Supplement Tables added to Section 40 27 02, Process Valves and Operators, per Addendum No. 1.

Q4: Also, just verifying that this project is NOT AIS.

A4: Correct, this project does not need to meet AIS compliance requirements.

Q5: I attended the pre-bid and had a question about one of the items on the pre-bid conference agenda and exactly what it means. I wanted to clarify agenda item: 3) Preparation of Bid; d) Base Bid materials and products specified or described in the Bidding Documents. Substitute or "or-equal" items will not be considered until after Notice to Proceed. My question is if the contractors aren't allowed to quote "or-equal" items with their base bid, for what reasons would "or-equal" items be considered? Strictly pricing or some other reason?

A5 Please refer to the following:

- Article 13 of Section 00 21 13, Instruction to Bidders;
- Article 7.04 of the General Conditions;
- Section 01 35 00, Product Substitutions.

Q6 Sheet 31, alphanumerical grid 4 and B/C there is cap that needs to installed please provide a size for the cap.

A6: 6-inch.

Q7: Sheet 32, alphanumerical grid 2.5 and B there is cap that needs to installed please provide a size for the cap.

A7: 6-inch.

Q8 Sheet 32, alphanumerical grid 2 and B there is 20" restrained plug part of this contract?

A8 Yes.

- Q9: Sheet 32, alphanumeric grid 3.5 and B there is a note " Cap existing pipe with a restrained plug, what size?  
A9: 6-inch.
- Q10: Sheet 32, alphanumeric grid 2.5 and A/B there is a note " Cap existing pipe with a restrained plug, what size?  
A10: 6-inch.
- Q11: Sheet 39, you are only allowed to replace one pumps at a time, there is not any isolation to do one at a time and keep the system on line.  
A11: See Section 01 31 13, Project Coordination, Paragraph 1.05.A.1.a.1). The Raw Water Pump Station is part of the Surface Water Treatment Facilities that that are subject to the extended period shutdown as described.
- Q12: Sheet 30, Between the 3MG and 1 MG reservoir that is a note "Abandoned sample lines to be removed", what type of pipe and are they in a carrier pipe that will needed to be removed?  
A12: Piping is 1-inch PVC, with no carrier pipe.
- Q13: On the past three project the contractor had to supply a person at the main gate during working hours to the security concerns, is this required for this contract?  
A13: See Section 01 50 00, Temporary Facilities and Controls, Paragraph 3.03.B.3.
- Q14: On drawing 033 key note 1, what size piles are they.  
A14: 18-inch diameter ACIP tangent piles.
- Q15: On drawing 042, does the grating D-1.5 get removed or replaced?  
A15: Replaced. See also Sheet 046, Drawing No. 020-S-102.
- Q16: What is the thickness of the concrete that needs to be cut on drawing 055 key note 17?  
A16: See Key Note 13. The building floor slab is 6-inches thick. See also Sheet 069, Drawing No. 030-S-101, and referenced sections on Sheet 071, Drawing No. 030-S-201.
- Q17: On sheet 127, pump number #1, gives dark description in word but the piping items are light, do these items need to be replaced?  
A17: Piping that is screened but not hatched does not need to be replaced.

Q18: Reference Sheet 041: The last sentence in Key Note 3 says to remove rebar to min 1 inch below surface of concrete that remains and patch hole with non-shrink grout. It is our understanding that this repair is only applicable at locations when the exposed rebar will be above the final finished grade elevations. If this is incorrect, please clarify in a future addendum.

A18: Correct, Key Note 3 describes repair that is applicable to locations where the exposed rebar will be above the final finished grade elevations.

Q19: Drawing 001-G-010 lists out Specification Section 01 88 15 – Anchorage and Bracing as requiring Deferred Submittals, but the Contract Documents do not contain a Specification Section 01 88 15. It is our interpretation that this reference was included in error and that no Deferred Submittals are required for any anchorage or bracing, including any seismic bracing. If this is not correct, please notify us via addendum and provide applicable specification section.

A19: Correct, the reference to Section 01 88 15, Anchorage and Bracing, was included in error and does not apply.

Q20: Neither Specification Section 40 27 00.01 nor 09 90 00 provides information on the coating system for buried ductile iron pipe. It is our interpretation that all buried ductile iron pipe and fittings are to be industry standard asphaltic coated. If this is not correct, please notify us via addendum and provide applicable coating specs.

A20: Correct, buried ductile iron pipe and fittings shall be asphaltic coated.

Q21: It is unclear from the drawings what type of coupling and restraint method is to be utilized when a "restrained FCA" is indicated. It is our interpretation that a restrained flange adapter per 40 27 01-2.03E will be acceptable at all restrained FCA locations. If this is not correct, please notify us via addendum and provide additional restraint details.

A21: Correct, a restrained flange adapter per Section 40 27 01, Process Piping and Specialties, Paragraph 2.03.E shall be used at locations indicated as "restrained FCA".

Q22: The storefront for this project is a bit confusing: you have 3 different type storefront wanted. sketches, specs and drawing are all different. Also the glazing for the storefront is the same. Is it going to be hurricane resistance, with hurricane resistance storefront doors, or 2" x 6" storefront with standard doors. If hurricane resistance what is the make-up of the glass.

A22: The storefront and entrance framing should be 6" x 2" as specified in Section 08 41 13, Aluminum-Framed Entrances and Storefronts, Paragraph 2.02. The Standard Details show a 5" dimension. This should be 6" for all exterior storefront windows and exterior entrance doors. Refer to Addendum No. 1 for revisions to the Standard Details. The glazing for these systems is specified as impact resistant insulating glass, see Section 08 80 00, Glazing, Paragraphs 2.01.D and 2.06.

- Q23: (Ref, drawings 020-M-101, and sections A and C from 020-M-201, and section D, 030-M-203) There are 3 RME lines that come in from the Filter Building. According to Section C, 020-M-201, the elevation of these lines as they come in are 31.57, 30.07, and 28.97. These lines then drop to an elevation of 24.32. In Section A however, it appears that these lines come in at elevations of 42.02, 40.56, and 39.01 and then they drop to an elevation of 24.32. The Section C elevations match with the elevations shown in Section D, 030-M-203 (Filter Building), so I believe this is correct, but please verify.
- A23: Section C on Sheet 051, Drawing 020-M-201, correctly shows the piping in question. Refer to Addendum No. 1 for revisions to Section A on Sheet 051, Drawing No. 020-M-201.
- Q24: (Ref, drawings 030-M-101, 030-M-102, and Section E from 030-M-204) After the FTW "goosenecks" before feeding into the BWW, Section E from 030-M-204 calls out a 16" x 12" Reducer. On 030-M-101, and 030-M-102, this is called out as a 16" Flare. So my question is do you want a flare piece, or a reducer? And is this connection open ended?
- A24: See Section A on Sheet 076, Drawing No. 030-M-201.
- Q25: One of the specified items is Section 44 44 58 – Parallel Plate Gravity Settler Package Clarification System, manufactured by MRI. We are aware that the spec says "No Equals" will be considered but we wanted to let The City of Suffolk know, if you were not already aware, of an optional system to consider.
- A25: R: Per Section 01 35 00, Product Substitutions, products included in this Specification section are sole-sourced equipment.
- Q26: Specification 40 27 02 Paragraph 2.02 Refers to valve schedules located at the end of this section. The only one I found is for the FV valves and actuators . I cannot find a schedule for the V valves, the FCV valves, or the PCV valves.
- A26: Refer to Addendum No. 1 for revisions to Section 40 27 02, Process Valves and Operators, that include the addition of new valve schedule supplements.

**ATTACHMENTS (64 pages)**

**END OF QUESTIONS**

**Contract Officer:** \_\_\_\_\_

Jay Smigielski, Purchasing Agent.

All other specifications, provisions, terms and conditions are unchanged.

Bidder shall acknowledge receipt of addendum on Bid Form. Failure to do so may result in disqualification of bid.

If you have any questions regarding this Addendum, please contact Jay Smigielski, Purchasing Agent at [jsmigielski@suffolkva.us](mailto:jsmigielski@suffolkva.us)