

DOCUMENT 009113 - ADDENDA

1.1 PROJECT INFORMATION

- A. Project Name: Ayer Wastewater Treatment Facility – FY2020 Improvements
- B. Owner: Town of Ayer
- C. Owner Project Number: 20DPW05
- D. Engineer: Matthew Pitta, P.E., PMP
- E. Date of Addendum: June 3, 2021

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the INSTRUCTIONS to Bidders. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum, at same time and location.

1.3 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
  - 1. Document “Pre-Bid Meeting Notes” dated May 27, 2021, 2-pages. This is issued for information only and does not alter or supersede the contract documents.
  - 2. Document “Pre-Bid Meeting Sign In Sheet” dated May 27, 2021, 1-page. This is issued for information only and does not alter or supersede the contract documents.
  - 3. Photo of Existing Switchgear.
- B. This Addendum includes the following attached Sheets: (NOT USED)
- C. This Addendum includes the attached Addendum Drawings: (NOT USED)

1.4 REVISIONS TO PREVIOUS ADDENDA (NOT USED)

1.5 REVISIONS TO DIVISION 00 PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS

A. Specification Section 001116 Invitation to Bid, (not reissued).

1. Remove the fourth paragraph and replace with the following:

“The project includes the addition of a new 2.0-meter-wide gravity belt thickener, polymer system, and wash water system; rehabilitation of existing sludge storage tanks; replacement of existing WAS and primary sludge pumps; addition of blower and aeration systems for sludge aeration; addition of new thickened sludge pumps, sludge offloading control improvements, and new plant water system; miscellaneous sludge piping and valve removals and improvements; replacement of tank drain pumps; as well as building flooring, HVAC, instrumentation, and electrical improvements.”

1.6 REVISIONS TO DIVISION 01 GENERAL REQUIREMENTS (NOT USED)

1.7 QUESTIONS AND ANSWERS

A. **Question:** Regarding 284621, 1.4D – if the drawings are already stamped by an engineer, what is the point of the delegated-design submittal requiring the filed sub-bidder to hire another engineer to stamp drawings?

**Response:** 1. There are additional design requirements that are to be completed by the filed sub-bidder’s selected delegated designer. Refer to Section 284621.13 “Conventional Fire-Alarm Systems” Paragraph 1.4.C.

B. **Question:** Regarding 260001, 1.2A.20 – Is a short-circuit/arc flash coordination study required by the filed sub-bidder? If so, is it only for provided equipment or existing as well?

**Response:** There is no Power System Study required by the filed sub-bidder.

C. **Question:** On drawing E-8, E-9, note #3 states that we must match Existing in all aspects including AIC short circuit ratings we will need to know the manufacturer of the Existing Switchgear a picture of the name plate would be the best.

**Response:** See attached photo.

D. **Question:** What areas of the facility are considered wet/damp locations?

**Response:** The Area Classification Table on E-4 shows the NEMA ratings suitable for the locations indicated on the Area Classification Plans

- E. **Question:** In spec section 262923 (Variable-Frequency Motor Controllers) you only list Rockwell Automation, Inc as an acceptable manufacture but you do not list it as a proprietary piece of equipment. Are there any approved equal manufactures that the town would accept?

**Response:** The Area Classification Table on E-4 shows the NEMA ratings suitable for the locations indicated on the Area Classification Plans

- F. **Question:** Does the town have a rough idea as to what they want to salvage from demolition in regards to electrical equipment?

**Response:** It is not anticipated that the Town will want to keep any salvaged materials, however the Town does reserve the right to request certain salvaged materials during construction.

- G. **Question:** Who is furnishing the VFDs – Division 26 or 46? Section 431133 2.2 B.2 indicates by Division 26, however E-8 and E-9 indicate by Division 46.

**Response:** Only the Sludge Holding Tank Blower Nos. 1 and 2 are provided by Div. 46. All other VFDs are by Div. 26.

- H. **Question:** Drawing E-13 Partial Fire Alarm Riser Diagram suggests [IAM] monitoring modules are required. The Fire Alarm System spec section 284621.13 reads as being conventional and not addressable. Is Division 26 to furnish conventional duct smoke detectors with modules?

**Response:** The new fire alarm equipment must be compatible with the existing fire alarm control panel: Edwards United Technology # iO1000RD

- I. **Question:** Who is the manufacturer and model of the existing MCC-1B?

**Response:** MCC-1B is an Eaton Cutler-Hammer Freedom Series 2100 MCC. See attached photo.

- J. **Question:** Who is the manufacturer and model of the existing panelboards LP-3 and LP-7 requiring CB(s)?

**Response:** Panelboards LP-3 and LP-7 are Square D NQOB.

- K. **Question:** On drawing E-13 and E-3 shows fire alarm riser and devises there are no devices shown on the drawings please advise.

**Response:** Duct smoke detectors and flow alarm switches are shown on E-15 for AHU-1 and AHU-2 in the Basement. The riser diagram on E-13 shows the loop to tie the new devices into.

**Town of Ayer, Massachusetts**  
**Ayer Wastewater Treatment Facility - FY2020 Improvements**

**Contract No. 20DPW05**

**PRE-BID CONFERENCE NOTES**  
**May 27, 2021 - 10:00 a.m.**

### **I. Facility History**

The Ayer Wastewater Treatment Facility (WWTF) was constructed in 1982. Miscellaneous upgrades have been implemented since, including:

- 1994 - ceramic fine bubble diffusers and blower building added
- 2007 - process improvements including grit, tertiary, anoxic tanks, tank conversion, addition of ultraviolet (UV) disinfection and disk filters; electrical and controls upgrades
- 2011 - UV system replacement, energy upgrade
- 2018 - Misc. safety and architectural, building mechanical, and electrical improvements
- 2019 - Separation of classified spaces and modifications to existing grit systems in advance of FY2020 project

### **II. Project Overview**

The project includes the addition of a new 2.0-meter-wide gravity belt thickener, polymer system, and wash water system; rehabilitation of existing sludge storage tanks; replacement of existing WAS and primary sludge pumps; addition of blower and aeration systems for sludge aeration; addition of new thickened sludge pumps, sludge offloading control improvements, and new plant water system; miscellaneous sludge piping and valve removals and improvements; replacement of tank drain pumps; as well as building flooring, HVAC, instrumentation, and electrical improvements. A detailed discussion of the project was not included given the wide variety of work to be done.

### **III. Maintenance of Plant Operations (MOPO)**

Continuous operation of the WWTF is critical. There can be no interruptions to the primary process flow. Brief periods of cessation of sludge collection may be feasible and must be coordinated with the Town and Engineer. Existing equipment and facilities being replaced shall be done so one at a time. Careful coordination with the Town and Engineer will be required throughout construction. Specification Section 013513.53 should be carefully reviewed.

The Contractor is responsible for coordinating snow removal efforts in construction and staging areas with WWTF staff.

### **IV. Schedule**

- Pre-bid Meeting: May 27, 2021 at 10:00 a.m. - Ayer WWTF

- Filed Sub-bid Opening: June 10, 2021, 2:30 p.m. – Ayer Department of Public Works. The bid opening will be broadcast on a website sent to plan holders and is not open to public. Bids can be dropped off at the Department of Public Works.
  - Filed sub-bid categories include HVAC and electrical.
- General Bid Opening: July 1, 2021, 2:30 p.m. - Ayer Department of Public Works. The bid opening will be broadcast on a website sent to plan holders and is not open to public. Bids can be dropped off at the Department of Public Works.
- Contract Duration: 330 calendar days commencing 20 day following Effective Date of Agreement (300 calendar days to substantial completion).
- Liquidated Damages will be assessed for work beyond the contract duration.

## **V. Funding**

Project is funded locally (not CWSRF). Bidding and Award of this Contract will be under provisions of M.G.L. Chapter 149, Section 44A-44J. All bidders (general bidders and filed sub-bidders) must have current certificate of eligibility issued by the Division of Capital Asset Management and Maintenance (DCAMM). The General Contractor DCAMM category is Sewage and Water Treatment Plants.

## **VI. Miscellaneous Issues**

1. **Staging Areas and Temporary Facilities** -The Town requires constant accessibility to all facilities at the site. The designated staging area is shown on the drawings. Engineer's temporary field office is already on site; Contractor is responsible for providing supplies and furnishings in accordance with Section 015000. Utility connections are available, but final connections to the trailer need to be made.
2. **Submittals** - Independent hosted web-based electronic system shall be Submittal Exchange, or equal. Contractor is responsible for obtaining.
3. **Questions and Attendee List** - Only questions submitted in writing and responded to by Addenda will be binding. Oral responses should not be considered binding. Bidders are advised to submit questions in writing to Matthew Pitta (PittaMD@cdmsmith.com). Attendees to the pre-bid conference are requested to sign the attendee list.
4. **Addenda** - No addenda have been issued to date. Notes from the pre-bid conference meeting and attendee list will be distributed via addenda.

## **VII. Questions and Answers**

A brief question and answer session was held.

## **VIII. Site Visit**

Following the Q&A session, a tour of the WWTF will be held.





**EATON**

**Cutler-Hammer**

**Freedom  
Series 2100  
Motor Control Center**

5678877001

LAG01127 IT.005 -FVC  
SEPT.04 H.BUS 800A 65  
480V 3PH 4W 60HZ  
SECT. 1-4, 6-15-300A  
SECT. 5-600A  
SECT. 16-800A  
NEUTRAL 800A  
MAIN HND 800A

SHORT-CIRCUIT-CURRENT  
RATING 42,000 AMPS RMS SYM.  
600 VOLTS MAXIMUM  
  
DO NOT INSTALL ON CIRCUITS  
WITH AVAILABLE SHORT-CIRCUIT  
CURRENTS HIGHER THAN THE  
LOWEST SHORT-CIRCUIT RATING  
OF ANY INSTALLED UNIT.

**MCC-1B**

EXISTING SWITCHGEAR