

Addendum No. 02

TO: PLANS AND SPECIFICATIONS FOR:

Chiller Plant Improvements
Environmental Control Center
Jefferson City, MO
Project No: O2114-01

Bid Opening Date:

Unchanged: 1:30 PM, Thursday, March 25, 2021

BIDDERS ARE HEREBY INFORMED THAT THE CONSTRUCTION PLANS AND/OR SPECIFICATIONS ARE MODIFIED AS FOLLOWS:

1. SPECIFICATIONS:

A. Section 011000 Summary of Work

1. **MODIFY** Paragraph 1.2(C) as follows:

- Develop a new automated energy management system for automated demand staging of the new chilled water systems. The automated building management system will interface with the existing *Schneider Electric EcoStruxure* control system.

B. Section 230716 HVAC Insulation Schedule

1. **ADD** Paragraph 3.7(E) as follows:

E. Water Cooled Chiller – Condenser

1. 1” Flexible Elastomeric: Install insulation over entire surface of equipment.

2. **ADD** Paragraph 3.7(F) as follows:

F. Water Cooled Chiller – Water Box

1. 1” Flexible Elastomeric: Install insulation over entire surface of equipment.

3. **ADD** Paragraph 3.7(G) as follows:

G. Condenser Water Pump

1. 1” Flexible Elastomeric: Install insulation over entire surface of equipment.

4. **ADD** Paragraph 3.7(H) as follows:

H. Chilled Water Pumps

1. 1” Flexible Elastomeric: Install insulation over entire surface of pumps except for pump motor.

5. **ADD** Paragraph 3.7(I) as follows:

I. Heat Exchanger

1. 1” Flexible Elastomeric: Install insulation over entire surface of equipment.

6. **ADD** Paragraph 3.7(J) as follows:

J. Sidestream Filter

1. 1” Flexible Elastomeric: Install insulation over entire surface of equipment.

C. Section 235700 Heat Exchangers for HVAC

1. **Add** Paragraph 2.1.(A)(2) as follows:

2. Bell and Gossett

D. Section 261219 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers

1. **MODIFY** Paragraph 2.3(A) as follows:

“Subject to requirements herein, provide products by one of the following, *or engineer approved equal*.”

E. Section 261219 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers

1. **MODIFY** Paragraph 2.3(F)(2) as follows:

“Voltage Ratings: 12,470Δ (*delta*) V – 480Y/277V”

2. **PLANS:**

A. **Sheet A-101 – Architectural Construction Floor Plan**

1. **MODIFY** Construction Note 7 as follows:

- **ADD**

LEAVE INSULATION SYSTEM IN PLACE ON WALLS AND PAINT AROUND. DO NOT REMOVE. REMOVE CEILING SYSTEM AND PAINT DECK/STRUCTURE ABOVE. DO NOT PUT CEILING SYSTEM BACK.

B. **Sheet S-100 – Structural Framing Construction Plans – Area 1**

1. **MODIFY** Construction Note 13

- **REPLACE AS FOLLOWS:**

MICROPILE DESIGN BY OTHERS. PILE DESIGN SHALL ACCOMMODATE 22.2 KIPS (DEAD), 4.7 KIPS (LIVE), & LATERAL LOAD OF 1.35 KIPS (SEISMIC). UNFACTORED LOADS. REFERENCE THE GEOTECHNICAL REPORT FOR PILE DESIGN PARAMETERS. PILE SUPPLIER IS RESPONSIBLE FOR DESIGN OF THE PILES. CONSTRUCTION DETAILS AND DESIGN CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI. SUBMIT CONSTRUCTION DETAILS AND DESIGN CALCULATIONS FOR RECORD COPY & VERIFICATION OF COMPLIANCE WITH SPECIFIED DESIGN LOAD ONLY.

C. **Sheet MD-400 – Enlarged Tunnel Piping Plan**

1. **MODIFY** Demolition Note 1 as follows:

- **ADD**

REMOVE ABANDONED SCHED 80 STEAM CONDENSATE DRAIN LINE (APPROXIMATELY 150 LINEAR FEET) AND ASSOCIATED SUPPORTS TO MAKE ROOM FOR NEW CHILLED WATER RETURN LINE. MODIFY 2" COMPRESSED AIR LINE AS NECESSARY FOR INSTALLATION OF NEW CHILLED WATER RETURN LINE.

D. Sheet M-601 – Mechanical Schedules

1. **MODIFY** Pump Schedule as follows:

- **MODIFY CWP-01,02,03: TYPE**

VERTICAL TURBINE

- **MODIFY CWP-01,02,03: BASIS OF DESIGN MODEL**

H14MC

E. Sheet I-104 – Mechanical Equip. Phasing Plan – Area 3

1. **MODIFY** Construction Note 2 as follows:

- **ADD**

CONTRACTOR TO COORDINATE BETWEEN OWNER, TEMPORARY CHILLER MANUFACTURER, AND CONTROLS CONTRACTOR TO ENSURE APPROPRIATE BMS POINTS ARE BEING ADEQUATELY MONITORED.

F. Sheet I-400 – Mechanical Piping Phasing Plan – Tunnel Plan

1. **MODIFY** Demolition Note 1 as follows:

- **ADD**

REMOVE ABANDONED SCHED 80 STEAM CONDENSATE DRAIN LINE (APPROXIMATELY 150 LINEAR FEET) AND ASSOCIATED SUPPORTS TO MAKE ROOM FOR NEW CHILLED WATER RETURN LINE. MODIFY 2" COMPRESSED AIR LINE AS NECESSARY FOR INSTALLATION OF NEW CHILLED WATER RETURN LINE.

3. GENERAL:

(none)

4. ATTACHMENTS:

(none)

END OF ADDENDUM 02