

Addendum No. 02

TO: PLANS AND SPECIFICATIONS FOR:

BAS Replacement
Jennings State Office Building
Jennings, MO
Project No: O1921-01

Bid Opening Date: Unchanged: 1:30 PM, Tuesday, November 24, 2020

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

1. SPECIFICATIONS:

A. Specifications Section 230923 – Direct Digital Control (DDC) System

1. Paragraph 2.1-A Manufacturers:
ADD “4. Reliable Controls Mach-ProWeb as installed by Integrated Facility Services”
2. Paragraph 2.3-A Web-Based Access to DDC System:
ADD “d. If DDC system requires the installation of a server, provide minimum requirements to Owner for owner to furnish and install. Owners IT department (ITSD) will provide the server. Contractor shall allow 4 weeks for submittals, procurement, and delivery of server. Contractor is responsible for server cost.”
3. **REPLACE** paragraph 2.5-B as follows:
“2.5 B. Minimum Data Transfer and Communication Speed:
 1. LAN Connecting Operator Workstations and Network Controllers: 100 Mbps.
 2. LAN Connecting Programmable Application Controllers: 76,800 baud.
 3. LAN Connecting Application-Specific Controllers: 76,800 baud.”
4. **DELETE** paragraph 2.7-B and 2.7-C and **REPLACE** as follows:
“2.7 B. Acceptable networks for connecting programmable application controllers and application-specific controllers include the following:
 1. IP.
 2. IEEE 8802-3, Ethernet
 3. MS/TP.
 4. ATA 878.1, ARCNET.
 5. CEA-709.1-C”

2. PLANS:

A. Drawing G-002

1. General Demolition and New Work Notes:
 - i. For paragraph 7. DETAILED BUILDING AUTOMATION REPLACEMENT SCOPE OF WORK FOR EACH VAV BOX, **REPLACE** list heading “7.” with “8.”
 - ii. For paragraph 8. TEST AND BALANCE VAV BOX: THE FOLLOWING SCOPE OF WORK SHALL BE IMPLEMENTED FOR EACH VAV BOX, **REPLACE** the list heading “8.” with “9.”

- iii. For updated paragraph 8. B: **DELETE:**

“B. INVESTIGATE SUITABILITY OF EXISTING LOW VOLTAGE CONTROL POWER WITH DESIGN FOR NEW BUILDING AUTOMATION SYSTEM NETWORK. INSTALL NEW POWER SUPPLIES FOR BUILDING AUTOMATION SYSTEM AS NECESSARY AS PART OF THE WORK. EXTEND 120VAC POWER FROM A LOCAL CIRCUIT BREAKER PANEL (CONTRACTOR SHALL IDENTIFY SOURCE AND CONFIRM SUITABILITY WITH OWNER). CONTRACTOR SHALL INSTALL ADDITIONAL CIRCUIT BREAKERS AS REQUIRED. PROVIDE LOW VOLTAGE POWER TO ALL BUILDING AUTOMATION DEVICES ADDED AS PART OF THE WORK.”

And **REPLACE** as follows:

“B. REMOVE EXISTING CLASS 105 INDUSTRIAL CONTROL TRANSFORMERS. INSTALL NEW POWER SUPPLIES FOR BUILDING AUTOMATION SYSTEM AS NECESSARY AS PART OF THE WORK. EXTEND 120VAC POWER FROM A LOCAL CIRCUIT BREAKER PANEL (CONTRACTOR SHALL IDENTIFY SOURCE AND CONFIRM SUITABILITY WITH OWNER). CONTRACTOR SHALL INSTALL ADDITIONAL CIRCUIT BREAKERS AS REQUIRED. PROVIDE LOW VOLTAGE POWER TO ALL BUILDING AUTOMATION DEVICES ADDED AS PART OF THE WORK. REMOVE ASIC CONTROL AND LOW VOLTAGE WIRING AFTER REMOVAL OF ALL ASIC CONTROLLERS.”

B. Drawing M-601

1. RTU-1 Airflow Diagram

- i. **ADD** “Morning Warmup Command” for RTU-1 flow diagram, point name shall be “RTU-1-MWARM-C”. Point shall be similar to Economizer Enable / Disable (control point RTU-1-ECON-C)

2. RTU-2 Airflow Diagram

- i. **ADD** “Morning Warmup Command” for RTU-2 flow diagram, point name shall be “RTU-2-MWARM-C”. Point shall be similar to Economizer Enable / Disable (control point RTU-2-ECON-C)

C. Drawing M-602

1. Temperature Control Points List

- i. **ADD** “Morning Warmup Command” for RTU-1 points list, point name shall be “RTU-1-MWARM-C”. Point shall be similar to Economizer Enable / Disable (control point RTU-1-ECON-C)
- ii. **ADD** “Morning Warmup Command” for RTU-2 points list, point name shall be “RTU-2-MWARM-C”. Point shall be similar to Economizer Enable / Disable (control point RTU-2-ECON-C)

2. **GENERAL:**

(none)

3. ATTACHMENTS:

(none)

END OF ADDENDUM 02