Addendum 1 for RFB927940-02

Project Name: WRC Campus Fiber Upgrades - Bid Issuance #2
DAS RFB #: 927940-02
DAS Project #: 9279.40
Date: 5/30/2025

Bids Due: June 5th, 2025, at 2:00pm

TO: PROSPECTIVE BIDDERS:

THIS ADDENDUM FORMS A PART OF THE BIDDING AND CONTRACT DOCUMENTS AND MODIFIES THE BIDDING DOCUMENTS DATED 03-14-2025, WITH AMENDMENTS AND ADDITIONS NOTED BELOW. THIS ADDENDUM SUPERSEDES AND SUPPLEMENTS ALL PORTIONS OF THE ORIGINAL BIDDING AND CONTRACT DOCUMENTS WITH WHICH IT CONFLICTS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE IMPACS ELECTRONIC PROCUREMENT SYSTEM. FAILURE TO DO SO MAY DISQUALIFY THE BIDDER.

GENERAL NOTES

Pre-Bid Meeting sign in sheet is attached.

Clarification: Hazardous material surveys are underway and the reports will be provided to the successful bidder prior to construction.

QUESTIONS AND ANSWERS FROM PRE-BID MEETING

Q1. Can I get the engineers estimate for the project, please?

A1. $1,661,750.

Q2. For bonding purposes do you have an engineer's estimate for the WRC Campus Fiber Upgrades (#9279.40) Bid Issuance #2 in Woodward?

A2. $1,661,750.

Q3. Are company-provided background checks acceptable?

A3. No. The background checks will be performed by the facility at no cost to the contractor.

Q4. Are we allowed to put boxes in the cottage attic?

A4. Junction boxes are allowed in the cottage attic.

Q5. What is the attic access to the cottages?

A5. Contractor must use a ladder to get to 2x2 access panels. The attic is open joist.

Q6. Can we bore the site and make building penetrations everywhere and then come back to the individual buildings?

A6. Yes.

Q7. Can we work on multiple buildings at a time?

A7. Yes.

Q8. Will the Birches data room have storm rated windows?

A8. No the windows will be infilled with a mapes panel. This work will be part of another project.

Q9. Can the Birches data room windows be infilled?

A9. Yes. The window will be infilled with a mapes panel. This work will be part of another project.

Q10. What needs to be done for grounding?

A10. Provide a ground bar per detail 6/00-EF400 wall mounted at each fiber connection cabinet. Connect ground bar to nearest existing grounding system or metal water piping with #6 bare copper conductor.

Q11. Can the conduit be bored directly into the building and then sealed with hydraulic cement and NP1 caulk, instead of exposing the foundation as currently shown?

A11. Below grade conduit penetrations details are shown on 00-EF400. Conduits can be bored directly into the building. An oversized core drill through the exterior wall is not acceptable. Core drill size will need to be only as large as required for the link seal.

Q12. Who will be responsible for locating the private utilities?

A12. The facility will be responsible for locating private utilities. See General Note #3 on Sheet 00-C001. Contractor is responsible for potholing.

Q13. Drawing EF400 detail 7 calls out “Main Data Cabinet” and drawing EF104 note 00-EF0-17 calls out “New Four Post Rack”. Confirm if a 4-post rack or enclosed cabinet is to used as they are both listed in the specifications.

A13. Provide a 4 post rack not an enclosed cabinet.

Q14. Confirm new 6F singlemode cable is only required for the Cottages, Birches, and Admin Buildings for the fire alarm panels?

A14. 6F single mode required for buildings with FACP in addition to Cottages, Birches and Admin Building. Refer to Keynotes on Sheet 00-EF103 and Sheet 00-EF101. Contact Jeremy Denmon at Siemens for FACP single Mode Fiber Converter requirements. jeremy.denmon@siemens.com 515-553-7019.

Q15. Don't see in the drawings or specs if tracer wire is required for all underground pathways. If required, please specify the wire size, jacket rating, and color? (typ. #10AWG XHHW Stranded Orange).

A15. Tracer wire to be installed in all under ground conduit. Use #10 AWG XHHW stranded orange jacket.

Q16. Is the use of a 6F armored singlemode cable acceptable for use in the attic space of the cottages in lieu of conduit runs?

A16. 6F armored single mode in the attic space of the cottages is acceptable.

Q17. Will a 20 year manufacturer warranty be required?

A17. 20 year manufacturer warranty is not required.

Q18. Will BICSI certified installers be required for this project?

A18. BICSI certified installers not required, but installer to be authorized installer of the manufacturer they are providing.

Q19. Drawing EF103 shows a dashed line the same as Note "00-EF0-02" routing out of the north side of the Med Center heading NE to unnamed building. Is this 2" conduit part of the base bid package for future FA fiber connection?

A19. Unnamed building is the Chiller building. Provide a 2" conduit from the Med Center to the Chiller building for future fire alarm wiring.

Q20. The 288F pathway consists of a lot direction changes along its path. Is it acceptable to add (1) splice point on the north and south runs to aide with the cable installation?

A20. One splice point on the north and south run is acceptable.

Q21. Will your BICSI RCDD Credential be required as part of the Bid Document Package?

A21. BICSI RCDD Credential not required as part of the Bid Document Package.

CHANGES TO SPECIFICATIONS AND DRAWINGS

SPECIFICATIONS:

- **SECTION 23 8126.13 -SMALL CAPACITY SPLITSYSTEM AIR CONDITIONERS**
    - **ADDED -** New specification. Refer to attached specification.

DRAWINGS:

- **00-EF104 NORTH SITE FIBER BACKBONE- MEDICAL CENTER & BIRCHES**
    - **ADD** Existing FACP and Keynote 00-EF0-06 to room IT/Storage B21-4.

- **REMOVE** one fiber exit and keynote from storage 217. Conduit was intended for the 2” future fire alarm conduit Oak Hall. The conduit to Oak Hall to exist on the NE corner of Birches per the site plan on 00-EF103.

- **00-EF500 RISER DIAGRAM**
  - **ADD** MEDICAL CENTER BASEMENT and schedule note “K” to riser diagram. Secondary IT room located in IT/Storage B21-4.

ATTACHMENTS

1. Pre-Bid Meeting Sign-In, Spec Section 23 8126.13

END OF ADDENDUM

WRC Decentralization Phase 4
Pre Bid Issuance #2

May 22nd 2025

STORY CONSTRUCTION

Sign-in Sheet

Name	Company	Email Address	Telephone
Darren Milliken	Story Construction Co.	darren.milliken@storycon.com	515-291-5358
Mike Chambers	Story Construction Co.	mike.chambers@storycon.com	515-291-5730
Jennifer Kleene	DAS	jennifer.kleene@iowa.gov	515-822-8197
Rodney Carr	WRC	rcarr@dhs.state.ia.us	515-314-6643
Tim Schofield	WRC		
Kevin Bruxvoort	Shive-Hattery		
JEROME MILLER	BAKER ELECTRIC	JMILLER@BAKERELECTRIC.COM	515-480-7878
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SECTION 23 8126.13
SMALL-CAPACITY SPLIT-SYSTEM AIR CONDITIONERS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Air cooled condensing units.

B. Indoor ductless fan & coil units.

C. Controls.

1.2 RELATED REQUIREMENTS

A. Division 26: Electrical characteristics and wiring connections and installation and wiring of thermostats and other controls components.

1.3 REFERENCE STANDARDS

A. AHRI 210/240 - Standard for Performance Rating of Unitary Air-Conditioning and Air-Source Heat Pump Equipment 2008, Including All Addenda.

B. AHRI 520 - Performance Rating of Positive Displacement Condensing Units 2004.

C. ASHRAE Std 15 - Safety Standard for Refrigeration Systems and Designation and Classification of Refrigerants 2019.

D. ASHRAE Std 23.1 - Methods for Performance Testing Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Pressures of the Refrigerant 2019.

E. NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilating Systems 2024.

F. NFPA 90B - Standard for the Installation of Warm Air Heating and Air-Conditioning Systems 2024.

G. UL 207 - Standard for Refrigerant-Containing Components and Accessories, Nonelectrical Current Edition, Including All Revisions.

1.4 SUBMITTALS

A. See Section 01 3300 - Submittal Procedures, for submittal procedures.

B. Product Data: Provide rated capacities, weights, accessories, electrical nameplate data, and wiring diagrams.

C. Shop Drawings: Indicate assembly, required clearances, and location and size of field connections.

D. Design Data: Indicate refrigerant pipe sizing.

E. Operation and Maintenance Data: Include manufacturer's descriptive literature, operating instructions, installation instructions, maintenance and repair data, and parts listing.

F. Warranty: Submit manufacturer’s warranty and ensure forms have been filled out in Owner's name and registered with manufacturer.

1.5 WARRANTY

A. Provide five year manufacturer's warranty for condensing units and compressors. Include parts and labor.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Daikin

B. Carrier Corporation

C. York International Corporation / Johnson Controls

D. Mitsubishi.

E. Engineer pre-approved equivalent.

2.2 SYSTEM DESIGN

A. Split-System Heating and Cooling Units: Self-contained, packaged, matched factory-engineered and assembled, pre-wired indoor and outdoor units; UL listed.

1. Provide refrigerant lines internal to units and between indoor and outdoor units, factory cleaned, dried, pressurized and sealed, with insulated suction line.

B. Performance Requirements: See Drawings for additional requirements.

C. Electrical Characteristics:

1. Disconnect Switch: Factory mount disconnect switch on equipment under provisions of Division 26.

2.3 INDOOR UNITS FOR DUCTLESS SYSTEMS

A. Indoor Units: Self-contained, packaged, factory assembled, pre-wired unit consisting of cabinet, supply fan, evaporator coil, and controls; wired for single power connection with control transformer.

1. Location: High-wall.

2. Cabinet: Galvanized steel.

a. Finish: White.

3. Fan: Line-flow fan direct driven by a single motor.

B. Evaporator Coils: Copper tube aluminum fin assembly, galvanized or polymer drain pan sloped in all directions to drain, drain connection, refrigerant piping connections, restricted distributor or thermostatic expansion valve.

1. Construction and Ratings: In accordance with AHRI 210/240 and UL 207.

2.4 OUTDOOR UNITS

A. Outdoor Units: Self-contained, packaged, pre-wired unit consisting of cabinet, with compressor and condenser.

1. Refrigerant: R-32 or R454B.

2. Cabinet: Galvanized steel with baked enamel finish, easily removed and secured access doors with safety interlock switches, glass fiber insulation with reflective liner.
3. Construction and Ratings: In accordance with AHRI 210/240 with testing in accordance with ASHRAE Std 23.1 and UL 207.

B. Compressor: Hermetic, 3600 rpm, AHRI 520 resiliently mounted integral with condenser, with positive lubrication, crankcase heater, high pressure control, motor overload protection, service valves and drier. Provide time delay control to prevent short cycling and rapid speed changes.

C. Air Cooled Condenser: Aluminum fin and copper tube coil, AHRI 520 with direct drive axial propeller fan resiliently mounted, galvanized fan guard.

1. Condenser Fans: Direct-drive propeller type.
2. Condenser Fan Motor: Enclosed, 1-phase type, permanently lubricated.

D. Coil: Air-cooled, aluminum fins bonded to copper tubes.

E. Refrigerant Piping:

F. Accessories: Filter drier, high pressure switch (manual reset), low pressure switch (automatic reset), service valves and gauge ports, thermometer well (in liquid line).

1. Provide thermostatic expansion valves.

G. Operating Controls:

1. Control by room thermostat to maintain room temperature setting.

2.5 ACCESSORY EQUIPMENT

A. Room Thermostat: Wall-mounted, electric solid state microcomputer based room thermostat with remote sensor to maintain temperature setting; low-voltage; with following features:

1. Preferential rate control to minimize overshoot and deviation from setpoint.
2. Short cycle protection.
3. Thermostat Display:
   a. Actual room temperature.
   b. Programmed temperature.
   c. System Mode Indication: Heating, Cooling, Fan Auto, Off, and On, Auto or On, Off.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install in accordance with manufacturer's instructions and requirements of local authorities having jurisdiction.

B. Install in accordance with NFPA 90A and NFPA 90B.

C. Install refrigeration systems in accordance with ASHRAE Std 15.

END OF SECTION