

ADDENDUM NO. 4

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**Upgrade Generator Controls & Transfer Switch
Moberly Correctional Center
Moberly, Missouri
PROJECT NO.: C1920-01**

Bid Opening Date: 1:30 PM, Thursday, December 4, 2025 (Not Changed)

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. Section 263623 – Medium-Voltage Automatic Transfer Switches

a. DELETE Paragraph 2.6 W and REPLACE with the following:

W. Provide circuit breaker overhead lifting mechanism factory mounted to the top of the circuit breaker vertical section allow lifting either of the two (2) power circuit breakers that have been completely withdrawn from the switchgear from the breaker rails to the floor in front of the switchgear for maintenance or testing out of the switchgear. If the specified fixed, overhead lifting mechanism is not a factory option, then the vacuum circuit breaker manufacturer's standard roll around circuit breaker lift truck is an acceptable substitution. See Paragraph 2.28 A.

b. DELETE Paragraph 2.17 A.8.a, and REPLACE with the following:

a. Modbus TCP/IP (RJ45)

c. DELETE Paragraph 2.21 L.1, and REPLACE with the following:

1. Provide the ability to select "commit/no commit to transfer" to determine whether the load should be transferred to the emergency generator if the normal source restores before the generator is ready to accept the load. Initial setting for this option shall be "commit to transfer".

d. DELETE Paragraph 2.28 A.6, and REPLACE with the following:

6. Circuit breaker lifting yoke for use with the fixed mounted overhead circuit breaker lifting mechanism, if a fixed mounted overhead circuit breaker lifting mechanism is furnished. See Paragraph 2.6 W.

e. ADD new Paragraph 2.28 A.7 as follows:

7. Vacuum circuit breaker manufacturer's standard roll around circuit breaker lift truck, if a fixed mounted overhead circuit breaker lifting mechanism is not furnished per Paragraph 2.6 W.

DRAWINGS CHANGES:

1. SHEET ED-401:

- a. ADD a Key Note 4 callout next to the existing GCP on the field of the Drawing on the right side of the existing engine-generator set.

2. SHEET E-401:

- a. DELETE KEY NOTE 18 and REPLACE with new KEY NOTE 18 as follows:

18. ¾"C-4#12 & 1#12 GRD to PP1-29 & 31, ¾"C-2#14 CNTRL TO GCP FOR AUTO START SIGNAL & ¾"C-2#14 FOR 24VDC BACKUP PWR TO ATS CNTRLS.

- b. ADD new note on the field of the Drawing next to the Ameren revenue meter and meter loop at the southeast corner of the Power Plant as follows:

OBTAIN NEW METER BASE AND METER WIRING LOOP FROM AMEREN.
CONTACT TRAVIS PHIPPS AT 573-473-5062.

3. SHEET E-603:

- a. ADD new KEY NOTE 12 next to the motor starter in MCC1, Unit 4Q as follows:

12. PROVIDE #14 AWG CNRTL WIRING IN ¾"C TO GCP PER CATERPILLAR WIRING DIAGRAMS.

RFI'S:

1. Section 235750 – Remote Radiator – Diesel Engine Driven Generator

- a. Earthquake design – We can provide seismic certification, but it comes at an additional cost. Calculation acceptable or shake table required?

The design intent is to provide a remote radiator complying with the requirements of The International Building Code and ASCE 7 – Minimum Design Loads for Buildings and Other Structures (current editions), including submittal of the manufacturer's certification that the remote radiator is seismically qualified.

Based upon our interpretation: ASCE 7, paragraph 13.2.3, Special Certification Requirements for Designated Seismic Systems applies to the remote radiator, and the requirements for "active mechanical and electrical equipment" apply. Several means of compliance with the requirements for designated seismic systems for active equipment are provided. The remote radiator manufacturer is to determine and implement the appropriate compliance method(s). If the manufacturer's compliance method(s) require "review and acceptance by a registered design professional", the "registered design professional" is the manufacturer's "registered design professional".

- b. Frame material – We use pre-galvanized steel sheets. Are they expecting hot-dip galvanized?

The design intent is to provide an outdoor remote radiator protected from weather and corrosion with a design life of no less than 40 years. The specified frame and support structure with a hot-dipped-galvanized coating in accordance with ASTM A123 is consistent with the design intent.

Based upon the AGA's "Time to First Maintenance Chart", a consistent alternative is steel sheet complying with ASTM A653, Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process, with a minimum coating grade G140 (+/-1.2 mils) and with touch-up and repair any exposed areas after fabrication and installation per ASTM A780 Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings.

An additional consistent alternative is steel sheet complying with ASTM A653, with a minimum coating grade G90 (+/-0.77 mils) and with a compatible, well-adhered, exterior grade, UV resistant, paint system with suitable surface preparation.

- c. Fins – Our standard is edge-wound spiral aluminum fins, but the specification asks for flat copper plate fins. Can we proceed with spiral fins instead?

The design intent is to minimize the potential for galvanic corrosion and atmospheric fouling of the radiator core. The remote radiator will be outdoors in a typically non-operating state, subject to weather, ambient condensing conditions, and rural particulate.

Comply with the specification for copper fin material.

Alternatives to flat fins which provide equivalent thermal performance, durability, non-fouling, and ease-of-cleaning attributes are acceptable.

- d. Fans – We use direct-drive fans, not belt-driven

Direct-drive fans are acceptable and are not excluded in the specification. The specified requirements for belt drives are included for belt-driven fans. Direct-drive and belt-driven fans are acceptable.

- e. They are requesting testing the fan motor at the factory. Is this required?

The remote radiator will be installed for an existing emergency diesel engine generator serving an existing occupied correctional center. The design intent of the factory testing is to mitigate emergency generator outage length and potential start-up issues.

Comply with Paragraph 2.6, Factory Inspections and Testing.

- f. Are stainless steel tanks acceptable instead of powder coated?

304L/316L stainless steel tanks are acceptable if the radiator manufacturer confirms and guarantees that: The stainless steel is suitable for the service conditions and suitable for use with the radiator coolant across the full range of operating temperatures and ambient conditions. Dissimilar metals in the radiator are internally and externally cathodically protected from galvanic corrosion such that the design life of the radiator is not reduced.

GENERAL COMMENTS:

1. The Pre-Bid Meeting was held October 28, 2025, followed by an inspection of the project site. The sign-in sheet was attached to Addendum 1 that was issued on October 30, 2025.
2. Bidders desiring to perform a site inspection should contact DOC staff James Harms, (660) 263-3778, James.Harms@doc.mo.gov, Joel Harms, (573) 690-0645, Joel.Harms@doc.mo.gov or Justin Bax, at (573) 751-3911, Justin.Bax@doc.mo.gov to schedule a time to enter the facility/Power House.
3. Please contact Mandy Roberson, Contract Specialist, at (573) 522-0074, Mandy.Roberson@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
4. The deadline for technical questions was Tuesday, November 18, 2025, at noon (12 pm).
5. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
6. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
7. Current Planholders list is available online at: [C1920-01 Upgrade Generator Controls & Transfer Switch-Moberly Correctional Center :: Plan Holders :: State of Missouri Office of Administration](#).
8. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, (573) 446-7768 to get plans and specifications.
9. **All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled. Failure to do so will result in rejection of the bid.**
10. **MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 0%/0%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed, 3 contacts required (minimum). Failure to complete this process will result in rejection of the bid.**

ATTACHMENTS:

NONE

November 20, 2025

END ADDENDUM NO. 4