ADDENDUM NO. 3

TO: PLANS AND SPECIFICATIONS FOR THE STATE OF MISSOURI

HVAC Improvements
Fulton Reception and Diagnostic Center
Fulton, Missouri
Project No.: C2406-01

Bid Opening Date: 1:30 PM, January 6, 2025 (Unchanged)

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

SPECIFICATION CHANGES:

Section 323113 – Chain Link Fences and Gates

1) Specification section added.

Section 237413

1) Paragraph 2.1: Add CaptiveAire as an approved manufacturer.

DRAWING CHANGES:

None

BIDDERS QUESTIONS AND RESPONSES:

1. On A100 for the temporary detention fence. Do we have to install all of it at once or can we install and disassemble and move with the phasing and construction progress?

   Response: Temporary detention fencing can be installed and disassembled with each phase and construction progress.

2. On A100 where will be able to set Construction offices and storage containers. Will it be outside of the facility? Or will there be a designated area inside the facility? Staging areas is designated on sheet A100, but location of the construction offices and storage containers needs input from the facility. And what will be the proximity to existing utilities if we need to provide.

   Response: Construction offices and storage containers will need to be located outside of the secured perimeter. Lockable storage containers will be allowed to be stored inside of the buildings where work is being performed, however a key will need to be left with the DOC staff for access in case of emergency.

3. On P101, P102 when we install the gas piping will be able to dig and leave trenches open overnight as we install, with temporary fence around the holes, or will It need to be back filled every day?

Response: Trenches need to be secured at the end of each working day. Any trenches left open overnight will need to be protected with a heavy metal plate with a large boulder on top or similar approved means to properly cover the open trench. DOC staff will need to be notified if this method is to be utilized.

4. On P102, P101 there are expansion loops in the gas line. I need to ask you all what soft material are we bedding the loops with to allow for the expansion, unless were leaving it open pits and filling with sand later?

Response: Refer to specification section 220010 Part 2 and Part 3 for underground requirements in addition to requirements specified in section 227000. Installation shall comply with manufacturer's recommendations. In addition, all above and below grade installation must be coordinated with DOC staff for specific requirements.

5. On P102, on the top left of the prints there is an Existing Gas Meter shown at 25 psi. and has some green piping no size with a valve. How far do we have to continue the piping from the tilde? What is the size of piping? Are we reducing it to medium pressure and need to install a regulator? Is this out of ground piping and showing it going underground at the 2 - 90's?

Response: The existing gas meter and associated piping referenced are shown for reference only. No gas piping scope is required at this location. Refer to existing 4" gas service line where tap and vault are called out for the start of the gas piping scope.

6. On P102 How are we going to Tie into the existing gas line? Are we doing a hot tap, and if so what size are we coming off the existing 4 inch line? The only other option to do this, would be to shut down the whole system. What does it serve? How long can it be shut off? Who will restart all the equipment and bleed the air out of lines?

Response: The system will require a shut down to perform this tap. The details and timing of the shutdown will need to be closely coordinated with the gas utility and DOC staff with 10 working days of notice given prior to the shutdown. Length of shutdown will need to be minimized to the shortest feasible length of time. The contractor will be responsible for restoring the system upon completion of the shutdown.

7. On A 202 For coordination purposes for demo and replacement on the roof and inside the buildings. How will the work be split up in the buildings? Like building L shown will we have the entire building at once or will we have two pods at once like DA and DB since the duct work and sprinkler lines are isolated to the two pods or will be restricted to a single pod Like DA and need to phase each single pod in the building. See my comment above.

Response: The facility will plan to clear out two of the four dayrooms/wings in a single building at a time to allow for work to happen in that portion of the building. Once work is complete in those two dayrooms/wings then the offenders will be relocated to the finished dayrooms/wings and the other two dayrooms/wings will be cleared out to allow for the contractor to work in those areas.

GENERAL COMMENTS:

1. If an additional site visit is necessary, please contact James Welch, 573-592-4040, James.Welch@doc.mo.gov who will coordinate with the on-site personnel.
2. Please contact Mandy Roberson, contract specialist, at Mandy.Roberson@oa.mo.gov for questions about bidding procedures, MBE/WBE/SDVE goals, good faith effort forms, and bid submittal requirements.
3. All bids shall be submitted on the provided bid forms without additional terms and conditions, modifications, or stipulations. Each space on the bid forms shall be properly filled. Failure to do so will result in rejection of the bid.
4. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. All MBE, WBE, and SDVE contractors, subcontractors, and suppliers must be certified by the State of Missouri, Office of Equal Opportunity. No other certifications from other Missouri certifying agencies will be accepted. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.
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 available online at: https://oa.mo.gov/facilities/bid-opportunities/bid-listing-electronic-plans Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, 573-446-7768 to order official plans and specifications.

ATTACHMENTS:

Specifications: 323113

END ADDENDUM NO. 3

SECTION 32 3113 - CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Chain-link fences for security of construction areas. Fencing and gates can be reused at each building and/or phase of construction.
2. Swing gates.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For each type of fence and gate assembly.

1. Include plans, elevations, sections, details, and attachments to other work.

C. Samples: For each exposed product and for each color and texture specified.

D. Delegated-Design Submittal: For structural performance of chain-link fence and gate frameworks, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.4 INFORMATIONAL SUBMITTALS

A. Product certificates.

B. Product test reports.

C. Sample warranty.

1.5 WARRANTY

A. Special Warranty: Installer agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CHAIN-LINK FENCE FABRIC

A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist according to "CLFMI Product Manual" and requirements indicated below:

1. Fabric Height: As indicated on Drawings, 8'-0" if not indicated.
2. Steel Wire for Fabric: Wire diameter of 0.192 inch (4.88 mm).
    a. Mesh Size: 2-1/8 inches (54 mm).
    b. Zinc-Coated Fabric: ASTM A 392, Type II, Class 2, 2.0 oz./sq. ft. (610 g/sq. m) with zinc coating applied after weaving.
    c. Coat selvage ends of metallic-coated fabric before the weaving process with manufacturer's standard clear protective coating.
3. Selvage: Twisted top and knuckled bottom.

2.2 FENCE FRAMEWORK

A. Posts and Rails: ASTM F 1043 for framework, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F 1043 or ASTM F 1083 based on the following:

1. Fence Height: As indicated on Drawings.
2. Heavy-Industrial-Strength Material: Group IA, round steel pipe, Schedule 40.
    a. Line Post: 2.375 inches (60 mm) in diameter.
    b. End, Corner, and Pull Posts: 2.875 inches (73 mm) in diameter.
3. Horizontal Framework Members: Intermediate, top, and bottom rails according to ASTM F 1043.
4. Brace Rails: ASTM F 1043.
5. Metallic Coating for Steel Framework:
    a. Type A zinc coating.

2.3 TENSION WIRE

A. Metallic-Coated Steel Wire: 0.177-inch- (4.5-mm-) diameter, marcelled tension wire according to ASTM A 817 or ASTM A 824, with the following metallic coating:
1. Type II: Zinc coated (galvanized) with minimum coating weight matching chain-link fabric coating weight.

2.4 SWING GATES

A. General: ASTM F 900 for gate posts and single and double swing gate types.

1. Gate Leaf Width: Determined by contractor for the equipment that passes through the gates.
2. Framework Member Sizes and Strength: Based on gate fabric height as indicated.

B. Pipe and Tubing:

1. Zinc-Coated Steel: ASTM F 1043 and ASTM F 1083; protective coating and finish to match fence framework.
2. Gate Posts: Round tubular steel.
3. Gate Frames and Bracing: Round tubular steel.

C. Frame Corner Construction: Welded.

D. Extended Gate Posts and Frame Members: Fabricate gate posts and frame end members to extend 12 inches (300 mm) above top of chain-link fabric at both ends of gate frame to attach barbed wire assemblies.

E. Hardware:

1. Hinges: 360-degree inward and outward swing.
2. Latch: Permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.
3. Lock: Manufacturer's standard internal device.
4. Padlock and Chain: by owner.

2.5 FITTINGS

A. Provide fittings according to ASTM F 626.

B. Barbed Wire Arms: Pressed steel or cast iron, with clips, slots, or other means for attaching strands of barbed wire, and means for attaching to posts, for each post unless otherwise indicated, and as follows:

1. Provide line posts with arms that accommodate top rail or tension wire.
2. Provide corner arms at fence corner posts unless extended posts are indicated.
3. Single-Arm Type: Type I, slanted arm.

C. Finish:

1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz./sq. ft. (366 g/sq. m) of zinc.

2. Aluminum: Mill finish.

2.6 BARBED TAPE – CONCERTINA RAZOR TAPE

A. Wire-Reinforced Tape: ASTM F 1910; continuous coil with four-point, needle-sharp barbs permanently cold clenched around a core wire.

1. Core Wire: High-tensile-strength, zinc-coated steel.
2. Configuration: Single coil.
3. Style: Concertina pattern.
4. Coil Diameter(s): 18-inch (457-mm).
5. Barb Length Classification: Medium, 0.4-inch (10.2-mm) barb.
6. Barb Spacing: 4 inches (102 mm) o.c.

B. Clips and Tie Wires: Stainless steel.

C. Ground-Barrier Stakes: 3/8-inch- (9.5-mm-) diameter galvanized reinforcing bar, 18 inches (457 mm) long with 180-degree end hook 3-1/2 inches (89 mm) long.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Do not begin installation before final grading is completed unless otherwise permitted by Architect.

3.2 PREPARATION

A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet (152 m) or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.3 CHAIN-LINK FENCE INSTALLATION

A. Install chain-link fencing according to ASTM F 567 and more stringent requirements specified.

B. Post Excavation: Drill in firm, undisturbed soil.

C. Post Setting: Set posts in undisturbed soil. Fence and gates to be reused for each building and/or construction phase.

D. Terminal Posts: Install terminal end, corner, and gate posts according to ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment of 15 degrees or more. For runs exceeding 500 feet (152 m), space pull posts an equal distance between corner or end posts.

E. Line Posts: Space line posts uniformly at 96 inches (2440 mm) o.c.

F. Tension Wire: Install according to ASTM F 567, maintaining plumb position and alignment of fence posts. Pull wire taut, without sags. Fasten fabric to tension wire with 0.120-inch- (3.05-mm-)

diameter hog rings of same material and finish as fabric wire, spaced a maximum of 24 inches (610 mm) o.c. Install tension wire in locations indicated before stretching fabric. Provide horizontal tension wire at the following locations:

1. Extended along top and bottom of fence fabric.

G. Chain-Link Fabric: Apply fabric to outside of enclosing framework. Leave 1-inch (25-mm) bottom clearance between finish grade or surface and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Anchor to framework so fabric remains under tension after pulling force is released.

H. Barbed Tape: Install barbed wire uniformly spaced, angled toward security side of fence. Pull wire taut, install securely to extension arms, and secure to end post or terminal arms.

3.4 ADJUSTING

A. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

B. Lubricate hardware and other moving parts.

END OF SECTION 32 3113