ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

Replace Roofs
Guhleman Forensic Complex
Fulton State Hospital
Fulton, Missouri
PROJECT NO.: M1906-01

Bid Opening Date is CHANGED: 1:30 PM, January 30, 2020

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

GENERAL COMMENTS:

1. The Pre-Bid Meeting was held on January 9, 2020 at 10:00 AM, followed by a walk-through of the project site. The Pre-Bid Meeting sign-in sheet is attached.

2. Bidders needing additional site inspection should contact DMH facility staff, Billy Spencer, at 573-592-3482 and at WILLIAM.SPENCER@oa.mo.gov to schedule a time if additional site inspection is required.

3. Please contact Kelly Copeland, Contract Specialist, at 573-522-2283, Kelly.copeland@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.

4. The deadline for technical questions is January 23, 2020 at noon. Questions regarding the bidding process and submissions can be answered by Ms. Copeland until the bid opening time. Please contact her with any questions or if you need confirmations.

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 Plan holders list is available online at: https://www.adsplanroom.net/jobs/286/plan-holders/m1906-01-guhleman-forensic-complex-fulton-state-hospital

8. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, 573-446-7768 to get hard copies of plans and specifications. Deposits are required and detailed in the specifications.

SPECIFICATION CHANGES:

1. Section 001116 – Invitation For Bid
   a. REVISE Paragraph 3.0-A as follows:
      A. Until: 1:30 PM, January 30, 2020

2. Section 002113 – Instructions To Bidders
   a. DELETE the following from Paragraph 14.0-B.1 (bottom of page 6 of 8): “an MBE or WBE must be certified by the State of Missouri, Office of Equal Opportunity and”.

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To allow MBE, WBE, and MBE/WBE to have ample time to register with the Office of Equal Opportunity, this requirement will not take effect until July 1, 2020.

3. Section 015000 – Construction Facilities And Temporary Controls  
   a. ADD Paragraph 3.2-D.4 as follows:  
      4. Temporary self-contained toilet units are allowed to be located on the roof of the building. Coordinate exact quantity, locations, and installation procedures with facility staff prior to installation.  
   b. ADD the following sentence to Paragraph 3.3-A: “Contractor shall coordinate staging of materials and temporary structures with facility staff prior to commencing work on the project site.”

4. Section 075423 – Thermoplastic-Polyolefin (TPO) Roofing  
   a. ADD Paragraph 1.10-A.4 as follows:  
      4. The 20-year roof warranty and uplift pressure applies to water tightness and adherence of the new roof membrane to the existing mod-bit roofing and do not extend to the adhered layers of the existing roof system and roof deck.  
   b. REVISE Paragraph 2.4-B as follows:  
      B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.  
   c. REVISE Paragraph 2.5-C.1 as follows:  
      1. Bead Applied, Low Rise-one component or multi component urethane adhesive.  
   d. REVISE Paragraph 3.1-A.3 as follows:  
      3. Verify that concrete substrate is visibly dry and free of moisture.  
   f. ADD Paragraph 3.9-A.1.d as follows:  
      d. The test will be performed using a 24-inch square piece of roofing adhered to the existing Mod-Bit roofing and then a plywood piece applied to the new roofing piece. Then perform the pull test. Testing is to be performed and documented by the manufacturer or a third-party.

5. Section 077100 – Roof Specialties  
   a. REVISE Paragraph 2.2-A as follows:  
      A. Two-Piece Gravel Stops: Manufactured, two-piece, metal gravel stop with continuous cleat for anchorage in section lengths not exceeding 12 feet, with a horizontal flange and vertical leg fascia terminating in a drip edge, and concealed splice plates of same material, finish, and shape as gravel stop. Provide matching corner units.”  
   b. REVISE Paragraph 2.2-A.1 as follows:  
      1. Basis-of-design, Subject to compliance with requirements, provide Metal-Era, Inc. One Roof Edge or comparable product by one of the following:  
   c. ADD Paragraph 2.2-A.1.e as follows:  
      e. DMI  
   d. REVISE Paragraph 2.3-A as follows:  
      A. Reglets: Manufactured units, from the following exposed metal:  
         i. Zinc-Coated Steel: Nominal 0.028-inch thickness.  
         ii. Surface-Mounted Type: Provide reglets with slotted holes for fastening to substrate, with neoprene or other suitable weatherproofing washers, and with channel for sealant at top edge.  
   e. DELETE Paragraph 2.3-B.
6. Section 221423 – Storm Drainage Piping Specialties
   a. ADD new section in its entirety. (See attachment)

DRAWINGS CHANGES:

1. Sheets A201, A202, and A203
   a. ADD Roof General Note 3 as follows:
      3. CONTRACTOR TO REMOVE EXISTING PITCH POCKETS WHERE THEY ARE
         NO LONGER REQUIRED, SUCH AS WHERE THE ELECTRICAL CONNECTION
         HAS BEEN CUT OFF AT AN ABANDONED FAN OR WHERE IT IS REQUIRED TO
         INSTALL NEW ROOFING OR FLASHING.
   b. REVISE New Work Plan Keynotes 01 and 05 as follows:
      1. REWORK ROOF DRAINS: REMOVE CAST IRON GRATE AND CLAMPING RING,
         AND ALL FLASHING INSIDE DRAIN BODY. CLEAN SURFACES TO ACCEPT
         NEW TPO FLASHING. REINSTALL CLAMPING RING AND CAST IRON GRATE -
         REFER TO A601/01
      5. REINSTALL SALVAGED DOWNSPOUTS AFTER REGLET FLASHING INSTALLED
   c. ADD New Work Plan Keynote 11 as follows:
      11. REWORK ROOF DRAINS: REMOVE CAST IRON GRATE AND CLAMPING RING,
          AND ALL FLASHING INSIDE DRAIN BODY. INSTALL RETROFIT DRAINS INTO
          EXISTING ROOF DRAIN BODIES. CONTRACTOR TO VERIFY SIZES OF
          EXISTING PIPING IN EACH DRAIN AND TO SECURELY FASTEN RETROFIT
          DRAINS TO ROOF SURFACE
   d. REVISE Demolition Plan Keynotes 02 and 08 as follows:
      2. REMOVE EXISTING ROOF FLASHING TO DRIP EDGE - PREPARE SURFACE
         FOR NEW FLASHING & TERM BAR. EXISTING FASCIA METAL TO REMAIN.
      8. REMOVE & SALVAGE DOWNSPOUTS AND SPLASH BLOCKS FOR
         REINSTALLATION.

2. Sheet A201
   a. Plan 01 DEMO – GUHLEMAN WEST ROOF:
      DELETE Keynote 03 at roof hatch and REPLACE with Keynote 09
   b. Plan 02 NEW WORK – GUHLEMAN WEST ROOF:
      ADD Keynote 10 at roof hatch. (This roof hatch needs to be rotated and reinstalled.)

3. Sheet A202
   a. Plan 01 DEMO – GUHLEMAN EAST ROOF:
      DELETE Keynote 09 at roof hatch and REPLACE with Keynote 03
   b. Plan 02 NEW WORK – GUHLEMAN EAST ROOF:
      DELETE Keynote 10 at roof hatch. (This roof hatch remains as is.)

4. Sheet A203
   a. Plan 02:
      REVISE title to NEW WORK LOWER ROOF – CREMER ACTIVITY CENTER
      REPLACE all Keynote 01 with Keynote 11
   b. Plan 04:
      REVISE title to NEW WORK UPPER ROOF – CREMER ACTIVITY CENTER
      REPLACE all Keynote 01 with Keynote 11

5. Sheet A601
   a. Detail 01 Typ. Roof Drain:
REVISE note to REPLACE WHITE EPDM with TPO.
(For clarification, the TPO membrane is to be tan, not white.)
b. Detail 05 Flashing Dtl:
DELETE reference to two-piece flashing.

ATTACHMENTS:

1. Pre-Bid Meeting Sign-in Sheet
2. Section 221423 – Storm Drainage Piping Specialties
3. Revised Drawing Sheets A201, A202, A203, and A601

January 16, 2020

END ADDENDUM NO. 1
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*Brad Schaffer*  
PM FMOC

*Brad Schaffer*  
OA MO GOV
PART 1 - GENERAL

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY
A. Section Includes:
   1. Roof drains.

1.3 ACTION SUBMITTALS
A. Product Data: For each type of product indicated.

1.4 QUALITY ASSURANCE
A. Drainage piping specialties shall bear label, stamp, or other markings of specified testing agency.

PART 2 - PRODUCTS

2.1 METAL ROOF DRAINS
A. Cast-Iron, Large-Sump, General-Purpose Roof Drains:
   1. Basis-of-Design Product: Subject to compliance with requirements, provide Zurn Industries, LLC; 4" (Size to be confirmed by contractor) stainless steel retrodrain or comparable product by one of the following:
      b. Josam Company;
      c. Wade; a subsidiary of McWane Inc.
      d. WATTS;
   2. Standard: ASME A112.6.4, for general-purpose retrofit roof drains.
   5. Combination Flashing Ring and Gravel Stop: Required.
   7. Outlet: Bottom.
   8. Extension Collars: Required.
   10. Expansion Joint: Not required.
   11. Sump Receiver Plate: Required.
13. Perforated Gravel Guard: Not required.
15. Water Dam: Not required.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install roof drains at low points of roof areas according to roof membrane manufacturer's written installation instructions.
   1. Install flashing collar or flange of roof drain to prevent leakage between drain and adjoining roofing. Maintain integrity of waterproof membranes where penetrated.
   2. Install expansion joints, if indicated, in roof drain outlets.
   3. Position roof drains for easy access and maintenance.

3.2 PROTECTION

A. Protect drains during remainder of construction period to avoid clogging with dirt or debris and to prevent damage from traffic or construction work.

B. Place plugs in ends of uncompleted piping at end of each day or when work stops.

END OF SECTION 22 1423
NEW WORK - GUHLEMAN EAST ROOF

ASBESTOS SURVEY

KEYNOTES - NEW WORK PLAN

1. REMOVE EXISTING ROOF FLASHING TO DRIP EDGE

2. POWER SWEEP ENTIRE ROOF SURFACE PRIOR TO INSTALLATION OF NEW TPO ROOFING

3. NEW REGLETT & TURNED UP FLASHING - REFER TO DETAIL A601/04

4. REMOVE ROOFING (MODIFIED BITUMEN) & INSULATION

5. REMOVE AND DISPOSE OF EXISTING EXPANSION JOINT - REFER TO A601/02

6. FIRE RATED ROOF EXPANSION JOINT - REFER TO A601/04

7. NEW ROOF RIDGE WITH TPO FLASHING, STA DT 01 UN16

8. REMOVE & SALVAGE DOWNSPOUTS AND SPLASH BLOCKS FOR REINSTALLATION

9. REMOVED及びTURNED UP FLASHING - REFER TO DETAIL A601/05

10. ROTATE ROOF HATCH DURING REINSTALLATION SUCH THAT HATCH OPENS AWAY FROM ROOF EDGE

11. REMOVE AND SALVAGE PORTION OF FENCE ABOVE EXISTING EXHAUST FAN TO REMAIN (REMOVE TO ROOF SURFACE IN EACH DRAIN AND TO SECURELY FASTEN RETROFIT DRAINS)

NO WORK - GUHLEMAN EAST ROOF

KEYNOTES - DEMOLITION PLAN

1. EXISTING EXHAUST FAN TO REMAIN (REMOVE TO ROOF SURFACE IN EACH DRAIN AND TO SECURELY FASTEN RETROFIT DRAINS)

2. REMOVE EXISTING TURNED UP FLASHING & PREPARE SURFACE FOR NEW TPO ROOFING

3. EXISTING ROOF HATCH TO REMAIN

4. REMOVE ROOFING (MODIFIED BITUMEN) & INSULATION

5. REMOVE AND DISPOSE OF EXISTING EXPANSION JOINT - REFER TO A601/06

6. REINSTALL CLAMPING RING AND CAST IRON GRATE - REFER TO A601/05

7. NEW ROOF RIDGE WITH TPO FLASHING, STA DT 01 UN16

8. REMOVE & SALVAGE DOWNSPOUTS AND SPLASH BLOCKS FOR REINSTALLATION

9. REINSTALL SPLASH BLOCKS ON WALK PADS

10. ROTATE ROOF HATCH DURING REINSTALLATION SUCH THAT HATCH OPENS AWAY FROM ROOF EDGE

11. REMOVE AND SALVAGE PORTION OF FENCE ABOVE EXISTING EXHAUST FAN TO REMAIN (REMOVE TO ROOF SURFACE IN EACH DRAIN AND TO SECURELY FASTEN RETROFIT DRAINS)

DEMO - GUHLEMAN EAST ROOF

KEYNOTES - DEMOLITION PLAN

1. EXISTING ROOF HATCH TO REMAIN

2. REMOVE EXISTING ROOF FLASHING TO DRIP EDGE

3. NO WORK - GUHLEMAN EAST ROOF

KEYNOTES - NEW WORK PLAN

1. REMOVE EXISTING ROOF FLASHING TO DRIP EDGE

2. POWER SWEEP ENTIRE ROOF SURFACE PRIOR TO INSTALLATION OF NEW TPO ROOFING

3. NEW REGLETT & TURNED UP FLASHING - REFER TO DETAIL A601/04

4. REMOVE ROOFING (MODIFIED BITUMEN) & INSULATION

5. REMOVE AND DISPOSE OF EXISTING EXPANSION JOINT - REFER TO A601/02

6. FIRE RATED ROOF EXPANSION JOINT - REFER TO A601/04
NEW WORK GENERAL NOTES

1. REMOVE ROOF FLASHING AT ALL VENTS
2. REMOVE ROOF CURB FLASHING
3. REMOVE ROOF CURB FLASHING TO DRIP EDGE - REMOVE EXISTING LOW ROOF
4. REMOVE EXISTING ROOF FLASHING TO DRIP EDGE - REMOVE EXISTING LOW ROOF
5. REMOVE EXISTING ROOF FLASHING TO DRIP EDGE - REMOVE EXISTING LOW ROOF
6. REMOVE EXISTING ROOF FLASHING TO DRIP EDGE - REMOVE EXISTING LOW ROOF
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8. REMOVE EXISTING LOW ROOF
9. REMOVE EXISTING LOW ROOF
10. REMOVE EXISTING LOW ROOF

NEW WORK ROOF NOTES

1. REPLACE INSULATION WITH SAME THICKNESS
2. REPLACE METAL ROOF EDGE WITH TPO FLASHING, SEE DTL 6.3.28
3. INSTALL NEW TPO FLASHING AT EXISTING CURBS UNDER METAL FLASHING
4. INSTALL NEW TPO FLASHING AT EXISTING CURBS UNDER METAL FLASHING
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7. INSTALL NEW TPO FLASHING AT EXISTING CURBS UNDER METAL FLASHING
8. INSTALL NEW TPO FLASHING AT EXISTING CURBS UNDER METAL FLASHING

KEYNOTES - NEW WORK PLAN

1. REMOVE EXISTING ROOF HATCH FOR INSTALLATION OF NEW TPO ROOFING
2. REMOVES THE EXISTING REGLET FROM EXISTING LOW ROOF
3. INSTALL RETROFIT DRAINS INTO EXISTING ROOF DRAIN FLASHING INSTALLED WATERTIGHT IF RECOVER WILL NOT BE COMPLETED - REFER TO A601/06
4. INSTALL BAR/REGLET TO ROOF SURFACE
5. INSTALL BAR/REGLET TO ROOF SURFACE
6. INSTALL RETROFIT DRAINS INTO EXISTING ROOF DRAIN FLASHING INSTALLED WATERTIGHT IF RECOVER WILL NOT BE COMPLETED - REFER TO A601/06
7. INSTALL BAR/REGLET TO ROOF SURFACE
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9. INSTALL BAR/REGLET TO ROOF SURFACE
10. INSTALL BAR/REGLET TO ROOF SURFACE

KEYNOTES - DEMOLITION PLAN

1. EXISTING EXHAUST FAN TO REMAIN (REMOVE ASBETOS SURVEY)
2. EXISTING EXHAUST FAN TO REMAIN (REMOVE ASBETOS SURVEY)
3. EXISTING TURNED UP FLASHING & PREPARE SURFACE FOR NEW ROOF INSTALLATION
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