

FAYETTE COUNTY PRISON

Fayette County Prison

ADDENDUM No. 7

Issue Date: April 5, 2021

TO ALL BIDDERS:

This addendum is issued to clarify, amend, or supersede the drawings and specifications as applicable and shall become a part of the Contract Documents for the subject project as if fully incorporated and bound therein.

GENERAL:

1. Bid Opening Information:

Be advised that the Opening Date of Bid Number 21-04 (Construction contracts for the new Fayette County Prison) has been changed per Addendum #3. The original advertised bid Opening date of March 18, 2021 is hereby cancelled and the new Opening date of Bid Number 21-04 will be April 8, 2021. Bids will be accepted until April 8, 2021, at 3:00 p.m., at the Fayette County Controller's Office. The virtual meeting for opening the bids will commence at 3:00 p.m. The Zoom link to join the meeting is as follows (and may also be accessed through Fayette County Website www.fayettecountypa.org)

Zoom Meeting: <https://zoom.us/j/98685142196>

Meeting ID: 986 8514 2196

Dial by your location: +1 312 626 6799 US (Chicago) +1 929 205 6099 US (New York)

CHANGES TO SPECIFICATIONS:

03 3511 CONCRETE FLOOR FINISHES

1. Paragraph 1.02.B – REVISE Paragraph 1.02.B to read as follows:

”B. Liquid densifiers and hardeners.”

2. Paragraph 2.01.A – REVISE Paragraph 2.01.A to read as follows:

”A. Liquid Densifier and Hardener:

1. Type 1 - Use at following locations: Bare concrete floors in closets, mechanical/electrical utility spaces, and toilet rooms.
2. Type 2 - Use at following locations: Bare concrete corridor and open/common space floors.”

3. Paragraph 2.01.B.1 – REVISE Paragraph 2.01.B.1 to read as follows:

"1. Use at following locations: Toilet rooms to receive :concrete floor finish where indicated on the drawings."

4. Paragraph 2.02.A – REVISE Paragraph 2.02.A to read as follows:

"A. Liquid Densifier and Hardener: Penetrating chemical compound that reacts with concrete, filling the pores and dustproofing; for application to concrete after set.

1. Composition: Sodium silicate.

2. Products:

a. Type 1: Two coats.

1) L&M Construction Chemicals, Inc, a subsidiary of Laticrete International, Inc; CHEM HARD (Basis of Design): www.lmcc.com/#sle.

2) Euclid Chemical Company; EUCOSIL: www.euclidchemical.com/#sle.

3) Kaufman Products Inc; SureHard: www.kaufmanproducts.net/#sle.

4) Substitutions: See Section 01 6000 - Product Requirements.

b. Type 2: Two coats.

1) L&M Construction Chemicals, Inc, a subsidiary of Laticrete International, Inc; SEAL HARD (Basis of Design): www.lmcc.com/#sle.

2) Euclid Chemical Company; EUCO DIAMOND HARD: www.euclidchemical.com/#sle.

3) Kaufman Products Inc; SureHard LS: www.kaufmanproducts.net/#sle.

4) Substitutions: See Section 01 6000 - Product Requirements."

5. Paragraph 2.03.A.2.c – DELETE the word "Plus" after the word "Aquapel."

08 7163 DETENTION DOOR HARDWARE

1. Paragraph 2.10.F - DELETE Paragraph 2.10.F in its entirety.

09 6500 RESILIENT FLOORING

1. Paragraph 2.01.A.1.a – DELETE the text "...with Diamond 10 Technology Coating".

13 4263 PRECAST CONCRETE DETENTION CELL MODULES

1. Paragraph 1.07.B.5 – REVISE paragraph 1.07.B.5 to read as follows:

"B. Has completed three similar projects within the past ten calendar years."

22 1005 PLUMBING PIPING

1. Paragraph 2.11.B – DELETE Paragraph 2.11.B and all subparagraphs in its entirety.
2. Paragraph 3.10.A.2 – DELETE Paragraph 3.10.A.2 in its entirety.
3. Paragraph 3.14.E – DELETE Paragraph 3.14.E and all subparagraphs in its entirety.

SPECIFICATIONS INCLUDED / REISSUED IN THIS ADDENDUM:

None

CHANGES TO DRAWINGS:

C109 LANDSCAPING PLAN

1. DELETE Drawing C109 in its entirety and INSERT Drawing SD-C401, C109 RI – Landscaping Plan.

C117 CONSTRUCTION DETAILS

1. DELETE Drawing C117 in its entirety and INSERT Drawing SD-C701, C117 RI – Construction Details.

DRAWINGS INCLUDED / REISSUED IN THIS ADDENDUM:

Civil:

SD-C401 SD-C401, C109 RI – Landscaping Plan.
SD-C701 C117 RI – Construction Details

Other Attachments:

None

QUESTIONS AND RESPONSES:

Question 1	Section 310000 Section 1.3.B.1- requires the Site Work contractor to engage the services of a testing laboratory to perform soil testing and inspection service for quality control during site grading operations. Please provide details as to the expected testing services.
Response 1	In addition to routine laboratory testing outlined in Section 310000 Part 1.3B, field Quality Control testing shall be performed on a full time basis by the Contractor's testing/inspection firm during load-bearing fill placement and subgrade preparation (i.e. proofrolling, etc.) activities. The placement and compaction of load-bearing fill shall be evaluated by in-situ density testing (nuclear density gauge), conical tipped hand probing, and visual observation depending on the materials being utilized.
Question 2	Section 310100 3.1A- requires the Site Work contractor to perform supplemental percent pyritic sulfur testing within the building footprint. Please clarify the intent/requirements as well that this does not lie in the General Construction contract

Response 2	<p>The intent of the supplemental pyritic testing is to further evaluate and delineate areas requiring sulfide induced expansion mitigation within the building footprint (i.e. floor slab and foundations) and nearby areas. These areas are where percent pyritic sulfur contents exceed 0.10 percent within 3 feet of the proposed bearing elevation and 5 feet of the proposed floor slab elevation. Additionally, materials intended for re-use as load-bearing fill should further evaluated for potential expansion.</p> <p>For initial planning and budgeting purposes, this supplemental percent pyritic sulfur testing should consist of the following areas and frequencies:</p> <ul style="list-style-type: none"> • Building Footprint, Future Housing Unit Area, and Southern Site Wall: Percent pyritic sulfur testing shall be performed on an approximate 50 to 75-foot (max) grid spacing from Column Line L to the southern sally port wall and adjoining site wall. A minimum of three tests of the soil and/or rock shall be performed at each sampling location, spaced vertically from the proposed floor slab subgrade elevation to a minimum of 3 feet below the proposed foundation bearing elevation, or 5 feet below the proposed floor slab subgrade elevation (whichever is greater). A minimum of two of these tests shall be performed below the nearest foundation bearing elevation at each location. Note that rock drilling/coring may be required to obtain some samples. • Excavated Materials: Excavated materials intended for re-use as load-bearing fill shall be tested for percent pyritic sulfur at a minimum frequency of one test per 10 cubic yards. Such testing can be done prior to excavation via borings/probes, or from segregated stockpiled materials after excavation. Increased testing frequencies shall be required for areas or zones where previous testing exceeded the threshold limits of 0.10 percent pyritic sulfur, otherwise these materials shall be excluded from re-use as load bearing fill. Refer to the Geotechnical Report for more information. <p>Percent pyritic sulfur test data shall be provided to the Owner's Geotechnical Engineer for review, and evaluation of areas requiring the specified mitigation procedures and/or further sampling/testing.</p>
Question 3	Please advise if PVC Conduit is permitted concealed in masonry walls.
Response 3	Install as specified.
Question 4	I had a question about the 30"x 30" Type Y inlets I didn't see any details on C-117 is there anything special about them ? Please advise.
Response 4	See Addendum #7.
Question 5	Are columns D0, D1, B2.5, and B3 required to be galvanized?
Response 5	No.
Question 6	Drawing A001 states exterior housekeeping pads by General Contractor. Multiple contract summary states individual primes to provide required interior and exterior housekeeping pads. Please clarify.
Response 6	Drawing A001 states exterior housekeeping pads by General Contractor, U.N.O. Provide as directed in Multiple Prime Summary.

Question 7	Drawing A001 General Note 10, will the roof blocking be noncombustible or wolmanized?
Response 7	Blocking is permitted to be combustible per IBC section 603. Provide preservative treatment per specifications.
Question 8	Drawing A601 CS211 D9, is a frame required? If so, please provide more detail.
Response 8	Refer to detail 4, A611.
Question 9	Drawing A601 CS211 D9, what Specification Section does this door belong to?
Response 9	Section 08 3100 Access Doors and Panels.
Question 10	Specification Section 031000 Paragraph 3.01A; are all footers required to be formed?
Response 10	See Addendum 4
Question 11	Specification Section 033000 2.03K please advise if the moisture reducing vapor add mixture is required in all floor slabs. If so, can acceptable products be provided?
Response 11	See Addendum 4
Question 12	Specification Section, 011200, GC Contract Summary Item 121; please advise what is specifically required for refurbishing flagpole?
Response 12	See Section 10 7500- Flagpoles.
Question 13	On the architectural and code plans there are both SFEC and FEC notations. There is no product for SFEC in Specification Section 104400. Please advise.
Response 13	Refer to 104400 2.01.B.1.a. Detention Types
Question 14	Drawing S111B, please provide structural detail for elevator pit including required reinforcing of pit walls.
Response 14	Refer to Typical Elevator Pit Detail on Sheet S601.
Question 15	Is a French drain required around the elevator pit?
Response 15	No.
Question 16	Specification Section 033000, what are the finish requirements of the exposed concrete wall? Are all walls to be painted to receive a rubbed finish?
Response 16	See Addendum 4.
Question 17	Section 8/A721, Horn and Camera Guards included in Specification Section 125500. Are these guards to be placed over all cameras and horns? Or only specific items / locations? Please clarify.
Response 17	See Addendum 4.
Question 18	Details 10 & 11/A422 show a 4" painted grout joint. Is this to be paint? Or is this to be the RF-8 base? Please advise.
Response 18	Provide base as scheduled on A700.
Question 19	I have to request clarification on SDE-402 and SD-E403 included in this addendum 4. Can the engineer clarify what RTU'S and what dampers (how many) these details effect? Can he provide a Schedule so we know where this needs applied.

Response 19	This information is shown on drawing E507. Each zone has a detail showing which dampers, roof top units, and smoke exhaust fans are part of the smoke control system. These devices are also shown on the 'E' series floor plans (E122A, E122B, E123A, E124A, E124B, E132A, E132B, E133A, E134A, E134B).
Question 20	The pump station drawing C114 shows 3 lights on the retaining wall at the pump station. Please advise which contractor is responsible for these fixtures, and what panel are they fed from.
Response 20	The Contractor providing the pump station should provide the lighting. Drawing C114 of C120 includes Electrical Specification notes located just below the Pump Station Site View. Conductors and Cables, Note C. states "Lighting Circuit for the three exterior lights shall be (2) #12, #12G. Run conductors in conduit to switch provide in enclosure". The USEMPCO Sewage Pump Station enclosure includes a local stepdown transformer and 120V panel. A separate switch for exterior lighting is to be provided inside the enclosure. Drawing C114 of C120 provides the Pumpmate Package Station – USEMPCO equipment list (left side bulleted list), which includes "On-Off switches for internal LED light & external yard lights
Question 21	With the SA fixtures now being provided by the Precast Manufacture will the type SF and SFE also be provided by the Precast manufacture since they are part of the precast Balcony
Response 21	See Addendum #4.
Question 22	On DRAWING ES300/ SECURITY INSTALLATION DETAILS. All details show TYPICAL MIN. 3/4" CONCEALED CONDUIT TO ABOVE SECURITY CEILING. On the REFLECTED CEILING PLANS there are only a few areas shown with security ceilings, MULTI-PURPOSE, HOLDING AREA and DAY ROOMS. (most ceilings are shown as acoustical or exposed concrete) 1. Is the EC responsible to provide and install an empty 3/4" conduit from the security devices, as shown in the details, to above one these security ceilings? 2. On drawing ES300 detail 1/ES300 DUAL HEIGHT PEDESTAL INSTALLATION DETAIL, TYPICAL. The E series drawings show the EC providing the underground conduit. Who is responsible for the remaining work and equipment shown in the detail, footer, 6" bollards and dual height pedestal? 3. On the E series drawings, there are typical notes requiring conduits for F/A, Security, CCTV, power and lighting to be concealed in these areas. These areas are typically shown on the reflected ceiling drawings as exposed concrete. Can a conduit and box installation detail be provided for these areas? Some of these areas will need to have as many 10-15 conduits installed to complete all of the systems.
Response 22	See Addendum #6.
Question 23	In reference to the intumescent panting for the project. There is no clear indication on the rating of this element. We assume a 1 hour rating is required for all intumescent paint locations. Is this correct? If not please provide the details, ratings and locations of all the items required to be included in the bid.
Response 23	See Fire Resistance Rating Requirements chart on drawing G101.
Question 24	When will bid forms be available?
Response 24	Bid Forms can be found in the Project Manual.

Question 25	Please be aware that due to increased demand, steel joists are currently running 10-12 months after approval. This lead time is not forecast to improve in the foreseeable future, and will adversely affect the schedule of this project. Please consider re-designing the roof structure to either steel beams or concrete plank.
Response 25	Bid roof structure as designed.
Question 26	Specification Section 134263 – 1.07.B.5 indicates the need for five similar projects completed in the past two calendar years. The precast detention cell market in the surrounding states have seen very little activity in the past 5 to 10 years making the two year requirement increasingly challenging to achieve and potentially excluding qualified bidders. Can this requirement be removed or the time frame expanded?
Response 26	See Addendum #7.
Question 27	Please advise if any of the security doors require 120 volts at the door.
Response 27	Refer to ES300 Sheet Note 1, all door locking power shall be from equipment rooms. Electrical Contractor shall coordinate with the Division 28 Special Systems Contractor for means and methods of control of electro-mechanical door locks.
Question 28	The diamond 10 armstrong standard excelon VCT Listed in the specification has been discontinued. Am I to bid regular standard excelon vct (would require constant maintenance) or will you pick a LVT with D10 in an addendum? Any guidance is helpful thank you.
Response 28	See Addendum #7.
Question 29	Addendum #4 - Drawings Included/Reissued in this Addendum: Civil: SD-C401-C109 R1, Drawing C109 R1 has not been re-issued, please provide.
Response 29	See Addendum #7.
Question 30	The finish schedule on A700 lists what rooms get chemical hardener and sealer. Spec 033511 (Concrete Floor Finishes) lists sealers such as L&M Aquapel Plus, however the specification does not list acceptable dry shake hardeners. Please provide acceptable dry-shake hardeners for use on the project.
Response 30	See Addendum #7.
Question 31	Bid Form - Sitework Contractor shall provide Trench Rock Excavation X per CY, Bulk Rock Excavation X per CY. Please advise if the same unit pricing can be applied to the General Contractor Scope for excavation needed for footings etc. If not, please confirm that Sitework Contractor shall remove all rock in footings for General Trades Contractor.
Response 31	Trenched rock is acceptable for footings.

END OF ADDENDUM #7



