DATE: January 8, 2020

DEPARTMENT OF GENERAL SERVICES
BUREAU OF PRE-CONSTRUCTION
1800 HERR STREETS
HARRISBURG, PENNSYLVANIA

ADDENDUM NO. 3

on

PROJECT NO. DGS C-0210-0004 PHASE 001
PROJECT TITLE - PA State Police Greensburg - DNA Laboratory Facility New Building
PROFESSIONAL:
DRS Architects, Inc.
One gateway Center
Pittsburgh, PA, 15222

If you submitted a bid through e-Builder prior to this Addendum being issued, your bid has been discarded and you must re-submit your bid(s) through e-Builder prior to the bid opening date and time. Please see Section 4.C. of the Instruction to Bidder

GENERAL CHANGES – ALL CONTRACTS
Item 1 - See Attached Addendum 3

SPECIFICATION CHANGES – ALL CONTRACTS
Item 1 -

DRAWING CHANGES – ALL CONTRACTS
Item 1 -

DRSarchitects
Designing a Sustainable Future.

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January 7th, 2020

DGS 210-4 P1, Pennsylvania State police DNA Analysis Lab

ADDENDUM 3

Item Number	Description
Item 1	See attached spreadsheet containing all the responses to bidding questions asked up until the January 3rd deadline.
Item 2	.1 RFI 80 asked about the new gas line. As a supplement to the answer in the spread sheet, we are also attaching the gas company's plan for the new main line, for reference.
Item 3	Attached are revised versions of Sheets C107 and C302
Item 4	Attached are structural sketches SKS1 through SKS10, revising and clarifying some of the issues raised in some of the bidding questions
Item 5	Revision to Project Manual: A few of the bidding questions asked about lab waste systems. Attached is the new specification Section 226600, Lab Waste Systems for Lab Facilities
Item 6	Revision to Project Manual: SECTION 221316 - SANITARY WASTE AND VENT PIPING Page 221316-11, Article 3.11, Paragraphs D and E, Subparagraph 1 -- Revise this Subparagraph to read as follows: *"1. Hubless, service weight or heavy-weight cast-iron soil pipe and fittings; CISPI hubless-piping couplings; and coupled joints." Clarification to accept "Service-Weight" and / or Heavy-Weight cast iron piping for aboveground vent piping."* Page 221316-11, Article 3.12, Paragraphs F and G, Subparagraph 1 -- Revise this Subparagraphs to read as follows: *"1. Type C (Cast Iron ASTM A74 – service-weight or heavy-weight), cast-iron soil piping; gaskets; and gasketed joints." Clarification to accept "Service-Weight" and / or Heavy-Weight cast iron piping for underground soil and waste piping."*

Item 7	Revision to Project Manual: SECTION 230500 - COMMON WORK RESULTS FOR HVAC Page 230500-13, Article 2.6, Paragraph D, Subparagraph 2 – Delete this Subparagraph in its entirety. Page 230500-16, Article 3.2, Paragraph A, Subparagraph 2 -- Revise this Subparagraph to read as follows: *"2. Roof curbs, roof support rails, and similar flashed-in roof accessories shall be furnished and installed by the .2 Contractor for all Division 23 work, except that roof base flashing shall be completed by the .1 Contractor."* Page 230500-23, Article 3.11, Paragraph A -- Revise this last sentence to read as follows: *"Temporary HVAC systems are the responsibility of the .2 Contractor."*
Item 8	Revision to Project Manual: SECTION 230529 - HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT Page 230529-13, Article 3.5, Paragraph A – Revise this Paragraph to read as follows: *"A. The .2 Contractor shall furnish and install roof curbs, pipe portals, and support rails. The .1 Contractor will provide the roof opening, base flashing, roof insulation and structural framing members."*
Item 9	Revision to Project Manual: SECTION 235100 - GAS VENTS Page 235100-6, Article 3.2, Paragraph E, Subparagraph 2 -- Add the following Subparagraph: *"a. If guy wires are employed, provide no less four (4) guy wires, and provide a guy ring near the top of the stack and at intervals required by the venting system manufacturer. The maximum angle between guy wires as viewed from above shall be 120 degrees, and the guy wires shall be angled no less than 30 degrees from vertical. Provide galvanized steel anchors secured to the roof structural system with base- and counter-flashing. Guy wires shall be minimum 1/8-inch diameter 7x19 steel aircraft cable with a minimum tensile breaking strength of 2,000 lbs. The cable shall be stainless steel or galvanized steel with a plastic coating. Furnish double-eye turnbuckles for tensioning, cable clamps (clips), thimbles to prevent kinking at securement points, and eyebolts for attachment to the roof anchors. All accessory materials shall be hot dipped galvanized or stainless steel, and shall be selected to match the specified breaking strength of the cable."*

Item 10	Revision to Project Manual: SECTION 237314 - CUSTOM INDOOR AIR HANDLING UNITS Article 2.2, Paragraph F: Revise sub-paragraph "1" to read: *"Corrugated plates arranged in a crossflow pattern. Plates shall be constructed of Type 304 or Type 316 stainless steel, no less than 0.0057-inch thick. Alternatively, the plates may be constructed of aluminum which have been factory-coated with epoxy. The aluminum plate thickness shall be no less than 0.0050-inch. The epoxy coating shall be a baked phenolic epoxy, with a dry film thickness of no less than 0.2 mils. The coating shall exhibit no change in a 500 hour salt spray test in accordance with ASTM B-117. The coating shall have a humidity resistance of >1,500 hours per ASTM D2247. Acid resistance shall be demonstrated via a 500 hour acetic acid spray test with no change as per ASTM 2247. The coating shall exhibit no change after 50+ methyl ethyl ketone (M.E.K.) double rubs. Heat exchanger core frames (i.e. corners and endplates) shall be type 304 or 316 stainless steel, or aluminum. Aluminum frames shall be provided with the aforementioned epoxy coating or a powder-coat paint."*
Item 11	Revision to Project Manual: SECTION 223100 - DOMESTIC WATER SOFTENERS Article 2.2, Paragraph D, Sub-paragraph 4: Delete sub-paragraph "a." in its entirety.
Item 12	Revision to Project Manual: SECTION 074130 – INSULATED CORE METAL WALL PANELS: Article 2.5, Paragraph B, Sub-paragraph 2 through 5: Revise to read: *2. Facings: Fabricate panel with exterior facings and interior facings ~~of same material and thickness~~ as listed below:* *a. Exterior Facing Material: Zinc-coated (galvanized) steel sheet, 0.034-inch (0.86-mm) (22 gauge) nominal thickness.* *b. Exterior Facing Finish: Manufacturer's standard epoxy primer.* *c. Interior Facing Material: Zinc-coated (galvanized) steel sheet, 0.022-inch (0.56-mm) (26 gauge) nominal thickness.* *d. Interior Facing Finish: Manufacturer's standard siliconized polyester.* *e. Interior Surface: Smooth, flat.* *3. Panel Coverage: 36 inches (914 mm).* *4. Panel Thickness: 2.75 inches.* *5. Thermal-Resistance Value (R-Value): 20.*