Purchasing

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ADDENDUM #4
IFB # 03102009-1400

NEW CONSTRUCTION – KING GEORGE COUNTY SHERIFF'S OFFICE

This Addendum #4 contains revisions to the Project Manual, Drawings, and provides answers to all questions received between March 3, 2009, and 12:00 Noon March 5, 2009.

ADD 4.1: SPECIFICATION SECTION 012300

3.1 SCHEDULE OF DEDUCT ALTERNATES
D. ALTERNATE No. 4, BASEMENT FINISHES
2. Alternate:
ADD: Delete all floor finishes on the basement level.
H. ALTERNATE No. 8, MULTI-PURPOSE ROOM
2. Alternate:
ADD: COMPOSITE PLANTATION SHUTTERS to the inside of Curtain Wall CW-10 as indicated in Addendum #3 – Attachment 1 sketches.

ADD 4.2: SPECIFICATION SECTION 071326

REVISE: 2.3, A: Geotextile-faced Wall Insulation Drainage Panels; 1" thick extruded-polystyrene board insulation complying with ASTM C 578, Type VI, of manufacturer's standard minimum compressive strength; fabricated with tongue-and-groove edges and with one side having grooved drainage channels faced with non-woven geotextile filter fabric.

ADD 4.3: SPECIFICATION SECTION 087100

ATTACHMENT A: **ADD:** Door 120C - Hardware is to be as specified for Door 102.

ADD 4.4: SPECIFICATION SECTION 096900:

3.3 INSTALLATION

DELETE: B. Set pedestals in adhesive as recommended in writing by access flooring manufacturer to provide full bearing of pedestal base on subfloor.

3.4 ADJUSTING, CLEANING, AND PROTECTION
DELETE: A. Prohibit traffic on access flooring for 24 hours and removal of floor panels for 72 hours after installation to allow pedestal adhesive to set.

ADD 4.5: SPECIFICATION SECTION 102800

2.2 WASHROOM ACCESSORIES

ADD: K. Fold-Down Purse Shelf

1. Description: Hinged unit with spring-loaded shelf that automatically returns to vertical position.
2. Nominal Size: 15 inches (381 mm) long by 5-1/2 inches (140 mm) wide
3. Material and Finish: Chrome-plated, cast-zinc alloy (zamac) with stippled finish on tray or stainless steel, No. 4 finish (satin)
4. Location: Provide at all toilet compartments in women's toilet rooms.

ADD 4.6: SPECIFICATION SECTION 123553:

2.5 HARDWARE

B. Hinges: **DELETE:** Stainless steel, full height piano hinges. **ADD:** Manufacturer's standard.
C. Hinged Door: **DELETE:** Solid aluminum, stainless steel, or chrome-plated brass back-mounted knob. **ADD:** Manufacturer's standard.

2.7 WATER SERVICE FITTINGS

B: Service Fittings: **DELETE** 1. Provide units that comply with "Vandal-Resistant Faucets and Fixtures" recommendations in SEFA 7.

ADD 4.7 SPECIFICATION SECTION 122113:

2.2 COMPOSITE PLANTATION SHUTTER

B. Location: Install ganging units on the inside of all instances of CW-1, CW-2, CW,-3, and CW-4, as shown on Drawing Sheet A5.10 and A5.14. **ADD: Install ganging units on all instances of CW-10.**

ADD 4.8: SPECIFICATION SECTION 149200:

1.4 SUBMITTALS

E. Qualification Data: For qualified installer. **DELETE**: and testing agency.

1.5 QUALITY ASSURANCE

DELETE: B: Testing Agency Qualifications: An independent agency, with the experience and capability to conduct the testing indicated, and experienced in testing pneumatic-tube systems.

2.6 SUBSTRATION EQUIPMENT

A. General

3. Carrier Storage Receptacle: Storage receptacle shall store not less than four carriers and shall be integral with the terminal front. **ADD:** At contractor's option, a storage receptacle may be provided which is not integral such that it is located in proximity to the receiving unit.

3.5 ACOUSTIC COUPLER

A. **DELETE:** An acoustic coupler that will permit the facility to have direct communications with the manufacturer shall be provided for one year. The coupler shall provide a communication tie-in to a cathode ray tube (CRT) at the manufacturer's facility through the handset of an ordinary telephone and the acoustic coupler at the facility. The coupler will be used to examine or modify computer memory and may command any system component and determine its status. **ADD:** Provide a means of communication via the Automatic Central Control Center and the manufacturer for purposes of diagnostics.

3.6 TESTING AND ACCEPTANCE

B: **DELETE**: Tests shall be conducted in the presence of the Owner and shall be in accordance with the approved test procedures to determine that the system is functional, operational, and installed in accordance with the specifications. The Contractor shall notify the Architect in writing 15 days prior to conducting tests. The following tests shall be conducted:

DELETE: 1. Computer simulation and interrogation.

DELETE: 2. Consecutive dispatching to random stations.

DELETE: 3. Multi-station dispatching where all dispatchers are loaded with carriers, random stations selected and dispatching begins.

ADD: B. Comply with Division 01 "Demonstration and Training"

DELETE: C. The Owner's Representative shall sign a written statement indicating that the system has been turned over and accepted by the Owner.

3.7 **DELETE:** FRAMED INSTRUCTIONS **ADD:** OPERATION AND MAINTENANCE DATA

DELETE: A: Framed instructions under glass or in laminated plastic, including wiring and control diagrams showing the complete layout of the entire system, shall be posted where directed. Condensed operating instructions explaining preventive maintenance procedures, methods of checking the system for normal safe operation, and procedures for safely starting and stopping the system shall be prepared in typed form, framed as specified above, and posted beside the diagrams. The framed instructions shall be posted before acceptance testing of the system. **ADD:** A: Comply with Division 01 "Operation and Maintenance Data"

ADD 4.9: SPECIFICATION SECTION 283111:

3.2 CONNECTIONS

DELETE: A. For fire-protection systems related to doors in fire-rated walls and partitions and to doors in smoke partitions, comply with requirements in Division 08 Section "Door Hardware". Connect hardware are devices to fire-alarm system.

DELETE 1. Verify that hardware and devices are NRTL listed for use with fire-alarm system in this Section before making connections.

ADD 4.10: SPECIFICATION SECTION 312000:

3.20 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. DELETE: Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property.
ADD: Disposal: Remove surplus unsatisfactory soil and transport material to adjacent abandoned landfill site. Stockpile or spread unsatisfactory soil as directed by Architect/Construction Manager."

ADD 4.11: SPECIFICATION SECTION 323119:

2.1 MANUFACTURER

2. ORMAMENTAL FENCES AND GATES
DELETE: ESTATE "K" STYLE; **ADD** ESTATE "A" STYLE.

ADD 4.12: DRAWING SHEET A5.2:

REVISE: All references to "G" shall be changed to "F" (combined dispenser/ waste receptacle)

INDICATE: The symbol approximately 6' -0" from Grid Line 5 AS "O" SN Vendor.

ADD 4.13: DRAWING SHEET A5.3:

REVISE: All references to "G" shall be changed to "F" (combined dispenser/ waste receptacle)

ADD 4.14: DRAWING SHEET A8.2:

REVISE: Doors 013C and 013D to be "HM".

REVISE: Door 110D frame type to be F1.

REVISE: Door 117G.1 frame type to be F3

ADD 4.15: DRAWING SHEET A8.8:

REVISE ROOM 005 MEN'S LOCKER ROOM AND ROOM 005 MEN'S SHOWER: **Provide APC-2 at 8'-0" AFF.**

REVISE: ROOM 110 MULTI-PURPOSE ROOM: **Provide APC-1.**

REVISE: ROOM 202B MEETING ROOM: **Provide APC-1.**

ADD: Rooms 110C and 110D - **Provide APC-3 at 9'-0" AFF. Paint all walls with PT-5. Provide VCT-1 and VWB-3.**

REVISE: Room 202A: Ceiling Finish: EX PT-1

REVISE: Room 209B: Ceiling Finish: EX PT-1

REVISE: Room 209G: Ceiling Finish: EX PT-1

ADD 4.16: DRAWING SHEET A9.1:

REPLACE: DRAWING SHEET WITH DRAWING SHEET A9.1 IN ATTACHMENT A.

ADD 4.17: DRAWING SHEET A9.2:

REPLACE: DRAWING SHEET WITH DRAWING SHEET A9.2 IN ATTACHMENT A.

ADD 4.18: DRAWING SHEET E0.1:

ADD: Symbol "S(F)" FIRE ALARM SYSTEM SMOKE DETECTOR, MOUNT BELOW RAISED ACCESS FLOOR"

ADD 4.19: DRAWING SHEET E0.2:

DELETE: GENERAL NOTE 28.

ADD 4.20: DRAWING SHEET E2.3:

REVISE: Drawing Sheet E2.3 as follows: Provide EXIT LIGHT TYPE X in STAIR S101. Locate above Door S202.1. Connect to circuit L1S-1.

ADD 4.21: DRAWING SHEET E4.5:

DELETE: CM Symbol.

ADD: HEAT DETECTOR in Elevator Shaft.

ADD 4.22: DRAWING SHEET E4.6:

DELETE: FAAP indicated in Room 209G.

REVISE: FACP indicated in Room 209A to read FAAP.

ADD 4.23: DRAWING SHEET E5.2:

REVISE: Detail 1 to indicate FAAP in Vestibule in lieu of in Lobby.

ADD: Provide HEAT DETECTOR as indicated in RESPONSE above for Elevator Shaft.

ADD 4.24: DRAWING SHEET E6.5:

REVISE: DETAIL 1E6.5: Provide (5) 2" CONDUITS.

ADD 4.25: DRAWING SHEET E7.2:

REVISE: FDR NO 1 to read "2 SETS 3#600 KCMIL TYPE XHHW & 1#3/0 G IN 2-5" PVC CONDUITS." Revise Detail 2/E6.4 to read "2-5" ACTIVE & 1-5" SPARE CONDUITS"

REVISE:FDR NO 2 to read "2 SETS 4#600 KCMIL TYPE XHHW & 1#1/0 G IN 2-4" PVC CONDUITS." Detail 3/E6.4 shall read "2-4" ACTIVE, 2-4" SPARE & 2-2" CONTROLS."

ADD 4.26: DRAWING SHEET E4.13:

REVISE: Note 4 on E4.13 to read "12" x 4" Cable Tray.

ADD 4.27: DRAWING SHEET E4.15:

DELETE: Reference to NOTES 5 and 6.

DELETE: Reference to Note 4 from section of cable tray running east and west in Room 110. Cable tray shall be as indicated in Note 2.

REVISE: Note 4 to read 6" W x 2" H WIRE TRAY.

ADD 4.28: DRAWING SHEET E4.16:

REVISE: Cable Tray shown in Telecom Room to be 16" W x 4" D**.**

ADD 4.29: DRAWING SHEET E4.17:

DELETE: Reference to NOTES 6 and 8 indicated on the Floor Plan.

ADD 4.30: DRAWING SHEET E4.18:

REVISE: SPECIFIC NOTE 8 TO READ: COMMUNICATION AND SIGNAL CABLES BETWEEN 911 CENTER EQUIPMENT AND SERVERS TO BE RUN BELOW RAISED FLOOR IN BASKET TRAY. TRAY ROUTING TO BE INSTALLING CONTRACTOR BASED ON EQUIPMENT LOCATIONS. PROVIDE 12" x 4" CABLE TRAY BELOW RAISED ACCESS FLOOR AS REQUIRED.

DELETE: Pull box and conduits, originating at the far north end at column line C.

ADD 4.31: DRAWING SHEETS E2.1, E2.2, E2.3, E2.4, E2.5 and E2.6:

ADD: Provide additional switch (single pole or three way as required to match the present switch indicated on the drawings) in all rooms except for the Corridors to allow the reduction of the lighting load in each of these rooms by 50% in accordance with the 2003 International Energy Conservation Code section 805.2.2.1. In addition provide an OCCUPANY SENSOR in each of these rooms to switch off all lighting at such times when the rooms are unoccupied. Provide all devices, conduit and wiring as required. Pattern of light switching in each room shall be as approved by the Architect.

ADD 4.32: SPECIFICATION SECTION 115313:

2.3 FUME HOOD VENTILATION

A. Bypass Fume Hoods:

1. **DELETE:** Provide fume hoods with built-in exhaust blower with 1/3 hp explosion proof motor to overcome a maximum external static pressure of 0.17 inch water at 100 fpm face velocity (735 CFM) using 10-inch diameter duct. **ADD:** Provide fume hoods with a built-in exhaust blower with 1/3 hp motor to overcome a maximum external static pressure of 0.17 inch water at 100 fpm face velocity (735 CFM) using 10-inch diameter duct.

3.5 FUME HOOD SCHEDULE

A. Bench Top Fume Hood: **ADD:** Basis of Design: Labconco #48803-00

ADD 4.33: DRAWING SHEET A5.8:

REVISE: Fume Hood model number to read #48803-00

ADD 4.34: SPECIFICATION SECTION 211313

3.1 PREPARATION

A. **DELETE:** Perform fire-hydrant flow test according to NFPA 13 and NFPA 291. Use results for system design calculations required in "Quality Assurance" Article. **ADD:** Perform fire-hydrant flow test according to NFPA 13 and NFPA 291. Flow test shall be performed for and witnessed by the King George County Plans Review Office. Use results for system design calculations required in "Quality Assurance" Article.

ADD 4.35: DRAWING SHEET E1.1

ADD: Extend 2#2 XHHW & 1#2 G in 2" Schedule 80 PVC conduit from each of the 100A breakers in Panel PBN to the Electric Handhole indicated on the North end of the building on Drawing No E1.1 and terminate conductors in the Handhole with waterproof termination kits. Provide tags on each set of conductors reading "FOR FUTURE DIESEL TRUCK CHARGER".

ADD 4.36: DRAWING SHEET A9.4

REPLACE: DRAWING SHEET WITH DRAWING SHEET A9.4 IN ATTACHMENT A.

QUESTIONS AND ANSWERS:

Q1: The specification requires an AISC-Certified Installer and Fabricator. Can this be revised to "Installed and Fabricated per AISC guidelines"? This wording is how similar projects of this size and scope are assigned. By requiring AISC Certification, 99% of the competition is eliminated. Only one subcontractor in the area is certified.
A1: Question was addressed in Addendum #3.

Q2: Specifications do not include utilities, site concrete, asphalt paving, etc sections. Is this included in contract?
A2: Question was addressed in Addendum #3.

Q3: The specification calls for steel casework, but sheet A5.8 drawings and details call for plastic laminate casework. Which is to be supplied?
A3: Supply PLAM casework as indicated on the drawings. Refer to 9/A5.6 for steel casework.

Q4: A2.1 shows ACT in Room 005 Men's Locker Room and Men's Shower, but Room Finish Schedule on A8.8 indicates there is no ACT specified. Please clarify.
A4: Refer to ADD 4.15 for response

Q5: A2.3 Room 110 shows 2x2 ACT, however the Room Finish Schedule shows ACT 2, which is a 2'x4' ceiling tile. Please clarify.
A5: Refer to ADD 4.15 for response.

Q6: A2.3 Room 202B Meeting Room shows 2x2 ceiling tile, but the Room Finish Schedule indicates ACT 2, which is a 2'x4' tile. Please clarify.

A6: Refer to ADD 4.15 for response.

Q7: Specification Section 149200, Page 2, Paragraph 1.3 A.1.i: Please explain "Carriers may be positioned in the senders simultaneously and destination selected on the station control panel."
A7: Carriers may be positioned in more than one sender at a time. (i.e. more than one station)

Q8: Specification Section 149200, Page 4, Paragraph 1.4E: Qualification Data for Testing Agency: There is no known testing agency for PTS. Please address.
A8: Refer to ADD 4.8 for response.

Q9: Specification Section 149200, Page 10, Paragraph 2.6 A.3.b.2 & 3: Please explain.
A9: Refer to ADD 4.8 for response.

Q10: Specification Section 149200, Page 12, Paragraph 3.5A: Acoustic coupler? Our system uses either dedicated analog phone line or internet connection. Is that acceptable?
A10: Refer to ADD 4.8 for response.

Q11: Specification Section 149200, Page 13, Paragraph 3.6 B.1: Please explain computer simulation and interrogation.
A11: Refer to ADD 4.8 for response.

Q12: Specification Section 149200, Page 13, Paragraph 3.7A: Complete wiring and control layout and preventative maintenance instructions under glass would require significant wall space, is there another option?
A12: Refer to ADD 4.8 for response.

Q13: Drawing shows HSS 6"x2"X3/8" vertical tubes. How many locations? How tall are each?
A13: HSS 6x2x3/8 vertical tubes are slab-to-slab as indicated on sheet A3.5.
Locate behind each Control Joint in masonry veneer (per 4/A3.5) and at jambs of windows and doors in masonry veneer, as per A3, A4, and A6 series details. Details on sheet A3.5 are typical for CJ's in masonry veneer walls with metal stud back-up.

Q14: Will the lighting people pick up and install in their scope the steel angle/plate armature and channels?
A14: This is a coordination issue for the General Contractor. The General Contractor is responsible for coordinating his subcontractors.

Q15: The metal studs for the exterior walls are not shown on the structural drawings. The specifications for Cold Formed Metal Framing part 2.3-A Non-Load Bearing indicate to use metal thickness and flange width as specified on the drawings. This is not specified on the drawings. What gauge and flange width are to be used for bid purposes?
A15: Question was addressed in Addendum #3.

Q16: Drawing A3.5 – Partial Elevation and Framing Details show HSS6"x2" x3/8" – Not shown on structural drawings. Does this elevation apply to all sides of the building and typical for all window and door openings?
A16: Please refer to Question 13 / Answer 13 above.

Q17: Specification 149200-1.3-A-1 – Specifies that a central station may send to and receive from any remote station, the remote stations may only send back to the central station. Yet 149200-2.6-5 requires us to post directories at each station indicating the location, name, and the station number. If the remote stations can not send to the other remote stations, why post the directories at the remote stations **OR** do you want to be able for all stations to send to all stations?

A17: Remote stations may only send to the Central Station. Directory requirement can be waived.

Q18: Architectural drawing A5.12 Detail 2 & 3 indicates a standard box station for 6 inch systems to be used. Why do they indicate 6 inch transmission piping when specification 149200-2.2 calls for 4 inch transmission piping?
A18: Please refer to Addendum #3.

Q19: Architectural drawing A5.12 Detail 2 & 3 indicates a standard box station which uses the same chamber to send/receive carriers yet the specification 149200-2.6.A-1 & 2 seem to indicate separate send and receive units like a full automatic stations. Do you want independent send and receive functions (ability to set a carrier into the dispatcher and dial destination while receiving a carrier) or do you want the box station where you cannot set a carrier in the station while receiving a carrier from another station?
A19: A box station where you cannot set a carrier in the station while receiving a carrier from another station is acceptable.

Q20: Specification 149200-2.6-2 calls for stations to be up send / down receive, yet architectural drawing A5.12 Detail 1 shows the master (central) station to be down send / up receive. Is there a specification for the master (central) station?
A20: The drawings shown on A5.12 are schematic. Provide a complete system which meets the requirements of the specifications. Whether the central station is up/down to receive or send is not critical to the design team.

Q21: Specification 149200-2.6-1 seems to indicate that the station shall be able to store multiple carriers received and when the full carrier capacity is reached, it will be indicated by an audible alarm or reject light. The station indicated on drawing A5.12, detail 2 & 3, can only store only one received carrier. The full carrier capacity indicator will indicate every time a carrier is received. Is this what you want?
A21: Refer to ADD 4.8 for response.

Q22: Specification 149200-2.6-3 requests that a carrier storage receptacle shall be integral with the terminal front, but is not shown on the details 2 & 3 of drawing A5.12 of the station selected. This is not a standard of the type station selected and would have to be built custom for this project, this is however standard with full automatic stations with recessed enclosures. Do you want the carrier storage receptacle to be as specified?
A22: Storage receptacle need not be integral.

Q23: The specification seems to be written to indicate a semi-automatic system with automatic stations with recessed enclosures that are capable of being programmed to act as specified. Do you want automatic sub-stations with recessed enclosures?
A23: The sub-station shall be capable of sending and receiving from the central station and shall be recessed.

Q24: Specification 149200-2.3-5 – An air compressor is not required for operation of a pneumatic tube system by all manufacturers. There is only one manufacturer, that we are aware of, that requires a separate air compressor to operate its diverters. Some people use the term "Air Compressor" to mean the "blower" that provides the air (vacuum / Pressure) to transport the carrier. Please clarify.
A24: Provide whatever the manufacturer's required components are to make a complete and fully operational system.

Q25: Sheet A8.1: Door 120C appears to be a detention door but is listed as "HM" frame and "F1" frame. Also no hardware is listed.
A25: Refer to ADD 4.3 for response.

Q26: Doors 013C and 013D are listed as "STL" doors and F2 frames. Is this correct?

A26: Refer to ADD 4.14 for response.

Q27: Door 110D frame is listed as "F3". I believe it should be "F1".
A27: Refer to ADD 4.14 for response.

Q28: Door 117G.1 Frame Type is listed as "F1" – Should be "F3"?
A28: Refer to ADD 4.14 for response.

Q29: Other than the outline of the portable stage shown in Room 110, we were unable to find any information. Please provide size, height, and any necessary requirements for this work.
A29: Please refer to ADD 3.33 in Addendum #3.

Q30: Please provide a detail for the portable stage in Room 110.
A30: Please refer to ADD 3.33 in Addendum #3.

Q31: What doors are scheduled to receive the "Automatic Door Operators"?
A31: Please refer to ADD 3.20 in Addendum #3.

Q32: Sheet A5.8, elevations 1, 3, 4, and 5 show "plastic laminate" casework and worksurfaces throughout the sheet. The specifications for the casework in this room are for steel. Are we to price steel as specified or plastic laminate as shown? If the answer is plastic laminate, please provide specifications for the materials.
A32: Supply PLAM casework as indicated on the drawings. Refer to 9/A5.6 for steel casework.

Q33: Sheet A5.8 – Equipment / Fume Hood Schedule. The listed model # for the fume hood (Item FH-1) does not meet the project specifications. Which is accurate, the specifications or the schedule. Please update with correct items for accurate pricing.
A33: Refer to ADD 4.33 and ADD 4.34 for response.

Q34: Section 115313: 2.3 Fume Hood Ventilation: Specifications require a 1/3 HP explosion proof motor installed within the hood. Is this really required? The rooms these are located in are not "explosion proof." Please advise.
A34: Refer to ADD 4.33 for response.

Q35: Section 123553 – 2.5, B: Hinges – required "full height piano hinges" and "C" asks for solid back mounted knob. These items are not standard offering for any of the listed steel casework manufacturers. Will five knuckle stainless steel hinges and aluminum rectangular pulls be acceptable?
A35: Refer to ADD 4.6 for response.

Q36: Section 123553- 2.6 Counter tops: Materials required are stainless steel with integral sinks. This does not match the drawings, see sheet A5.8 (shows plastic laminate). Which is correct?
A36: Refer to Drawing Sheet A5.6 for the use of these products (stainless steel). A5.8 shall be plastic laminate as indicated.

Q37: Section 123553 – 2.7 Water service fixtures: - requires vandal resistant fixtures. It this really required? Typically this is used on K-12 Applications. Please advise if this item is really needed.
A38: Refer to ADD 4.6 for response.

Q38: Section 123553 – 2.7 Water service fixtures D: finish to be powder coat. Is this really required? Standard chrome finish is a lower cost. Will this be acceptable?
A38: No, Comply with project specifications.

Q39: Sheet S5.3- Detail 14/S5.3 appears to be the section for the screen wall shown on A1.4 as brick faced retaining wall. This wall is not shown on the structural plans. Please clarify.
A39: Detail 14/S5.2 is a section at wall indicated on Detail 5/A4.8, which is the brick faced retaining wall on grid line 11 between A and B.

Q40: When looking at the Toilet Accessories I don't see any waste receptacles on the drawings but they are listed in the specs. I see items G and F in the schedule and in the specs but they look very similar on the elevation drawings.
A40: Refer to ADD 4.12 and ADD 4.13 for response.

Q41: I see one napkin vendor in WOMEN'S TOILET 108 and see a similar box drawn in WOMEN'S TOILET 204 but it is not labeled.
A41: Refer to ADD 4.12 for response.

Q42: Item H is listed on the drawings as a Hand Dryer and I see it in the specs but I am unable to locate any in the drawings.
A42: Not used on this project.

Q43: Same as above for Item P Sanitary Napkin Disposal and V Soap Dish, I am unable to locate any on the drawings.
A43: Not used on this project.

Q44: There is a folding shelf noted in the enlarged stall plans but it is not listed in the specs. Also, am I to assume they are in every stall in both women's restrooms?
A44: Refer to ADD 4.5 for response.

Q45: Regarding the Fire Extinguishers: I have located 4 on the drawings that do not have a specification to FEC-R or FEC-S. One is covered by a dimension and I am unable to see which it should be.
A45: In 111A (Exit Corridor); FEC-S/FE-ABC, in 104 (Corridor) adjacent to door 121; FEC-S/FE-ABC, in 200 (Corridor) adjacent to door 206; FEC-R/FE-ABC, in 209M (Break Room); FEC-R/FE-ABC.

Q46: We found the Soils Data drawing page (C 5.7). Is there any other information of a GeoTechnical nature available?
A46: There is a Geotechnical Report included in Division 31, as well as the boring plan included in Addendum #3.

Q47: Specification Section 096000, Page 8 2.3 (B) and Page 11 3.3 (B and C) and 3.4 (A) – Are all pedestal bases required to have four (4) mechanical anchors in addition to mastic (adhesive)?
A47: Refer to ADD 4.4 for response.

Q48: General Conditions – Please clarify permit fees, connection fees, DCR submission fees, all other permits or fees required. Are we to include in our bid?
A48: The project will require a Land Disturbance Permit, a building permit, a VDOT Land Use Permit, and a Virginia Stormwater Management Program (VSMP) permit. All permit and connection fees will be paid by the County. The Contractor will be required to apply for all permits and post all required bonds except for the VSMP permit. The County will apply for the VSMP permit.

Q49: Is an Air Release Valve assembly required on the sanitary force main? How about a flushing station?
A49: An Air Release Valve assembly is not anticipated for the force main since the force main is not equipped with a high point. The 8-inch diameter force main along Route 3 is equipped with an air

release valve just south of the tie-in location of the new force main from the Sheriff's Office. The Contractor will be required to install a valve box, cleanout and valve assembly at the property boundary in accordance with detail S-1 and requirements of the King George County Service Authority standards.

Q50: The roof drains are shown to have many turns and redirections, however, there are no clean outs shown where there is a new connection or a change in direction. For clarification, are clean outs required where the pipes connect or change direction?
A50: Clean outs shall be installed as shown on the details on Drawing No. C5.2. Clean outs shall also be installed at horizontal bends and every 100 ft along a main line for the roof drains. At locations where multiple horizontal bends are required and are in close proximity to each other, a clean out shall only be installed at the downstream most bend.

Q51: What is the material for the 3" water service? Is it to be ductile pipe, PVC, or copper?
A51: The 3" water service shall be PVC or as specified in the King George County Service Authority standards.

Q52: Regarding the connection of the proposed fire line to the existing main - The profile shows an angled down connection and the plan view shows a tee. Where is the valve? There is no way to put a valve on that type of connection and be able to use a key on it, or to put a valve box around it. Please provide clarification on if this is a tap and valve connection or a cut in Tee connection. Also provide clarification on how to provide a shut off valve for testing the installed line. Is this a "reverse" connection in which the tap in on the backside of the line and then dropped down and below the water main in order to bring it across to the property?
A52: The connection is a cut in tee. Existing valves are located on each end of the existing 8-inch diameter water main. The proposed valve locations are on the project site as shown on Drawing Number C1.4. Refer to the King George County Service Authority standards and details W-12 and W-13. A tap connection is not proposed at this time. The water main installation across Government Center Boulevard shall be installed in a steel casing and through a jack and bore installation in accordance with King George County Service Authority standards and standard details G-1 and G-2. The steel casing shall extend from right-of-way to right-of-way along Government Center Boulevard (approximately 100 linear feet). All pipe joints shall be restrained. The Contractor shall be required to connect to the existing 8-inch diameter water and install the required fittings to facilitate the tee connection shown. All pipe and fitting joints from the casing to the connection location at the existing 8-inch diameter water main shall be restrained.

Q53: Under Section 312000 "Earth Moving", 3.20.B, where is the location of the "adjacent abandoned land fill site"? It is close enough to use off-road trucks or will over-the-road dump trucks be needed to haul excess dirt?
A53: Please see response in Addendum #3.

Q54: For estimating purposes, if 3.20.B allows the surplus satisfactory soil to be transported to the adjacent abandoned land fill site, who determines what quantities of soil are satisfactory and what quantities are unsatisfactory, and have to be disposed of off the Owner's property?
A54: Refer to Specification Section 312000, Paragraph 1.5.A through D, and Paragraph 3.18.

Q55: Section 312000, "Earth Moving", 3.20.A and 3.20.B appear to be in conflict:
3.20.A "Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and <u>legally dispose of it off Owner's property.</u>"
3.20.B "Disposal: <u>Transport surplus satisfactory soil to the adjacent abandoned land fill site.</u> Stockpile or spread soil as directed by Architect/Construction Manager."
A55: Refer to ADD 4.10 for response

Q56: An Earthwork bidder – the issue is that they need a Sample ID/Boring log or Auger Probe Log map or legend to know the location of the tested soil.
A56: A boring location plan was included in Addendum #3.

Q57: Please confirm the requirement defined in specification section 051200 – paragraph 1.6.B that states that the steel fabricator must be AISC certified. This requirement will eliminate most if not all of the mid range fabricators in the state of Virginia (and several surrounding states) from the opportunity to bid your project. Considering the size and complexity of your project the requirement for AISC certification is unwarranted and will certainly result in an additional cost to your project. Please note that this requirement is routinely eliminated from both private and government projects, once the benefit vs. cost impact is realized.
A57: Please refer to response in Addendum #3.

Q58: Please provide a boring location plan.
A58: Included in Addendum # 3.

Q59: On E7.2 Feeder #1 (Utility Trans to SWBD) shows 2(3# 400KCMIL +1#3/0 N-4" PVC with USE-2 Cable) , but on E6.1 there is reference 02/E6.4 , which calls for 5'' 3-way duct bank with 1-5'' and 2-5'' spare conduits. Please advise
A59: Refer to ADD 4.25 for response.

Q60: On E7.2 Feeder #2 (Generator to Panel Gen) shows 2(2#400kcmil +1# 3/0 N , 1#3/0 G-4' PVC with XHHW-2 Cable) , but on E6.1 there is reference 03/E6.4, which calls for 6-way duct bank with 4-4'' and 2-2'' conduits. Please advise.
A110: Refer to ADD 4.25 for response.

Q61: Please verify who is responsible for the site work testing. Note that specification section 312000, paragraph 3.18.B indicates that the contractor is responsible for the testing of all aspects of the site work package. However, the county is handling the testing for all other materials in the building such as concrete and steel.
A61: Specification Section 312000 and paragraph 3.18.B is correct.

Q62: I was reviewing the drawings for the New Sheriff's office as you mentioned below, however, it says that cabling will be done by others.
A62: Correct, all telecommunications cabling is not in contract.

Q63: In reference to signage details (5 – A3.4), for the cast aluminum letters, please specify exactly what the building identification is to read.
Q64: Please refer to response in Addendum #3.

Q64: In reference to signage details (5 – A3.4), In reference to the round logo can you please confirm if this is (1) piece or (2) pieces (as brick is showing through in the middle).
A65: Fabricate as one piece.

Q65: In reference to signage details (5 – A3.4), would an automotive paint finish be acceptable as opposed to powder coating? In powder coating aluminum, there is a strong chance of the aluminum warping while it is being baked
A65: Yes, that is acceptable.

Q66: In reference to signage details (5 – A3.4), in regards to the non-incandescent lighting, do you prefer neon or LED lighting?

A66: The drawings only state that the light source shall be non-incandescent. Simply provide a light source, at your choosing, which fits the project parameters and is non-incandescent. Although LED is preferred, neon would be accepted if it is less expensive, because neither the drawings nor specs make a distinction.

Q67: Panel schedule "PBN" shows (3) 100A Single Pole breakers in a 225A MCB Panel Board. Is this correct?
A67: Provide circuit breakers as indicated. Refer to ADD 4.35.

Q68: "Davis-Bacon" was discussed at the Pre-Bid Conference. Where does the specifications address this requirement?
A68: Please see response in Addendum #3.

Q69: Are the record CAD drawings the contractors responsibility to perform and/or pay for? Is the architect completing this task?
A69: According to Specification Section 017839, production of the record drawings is the responsibility of the contractor.

Q70: Specification Section 123000, Page 5, Paragraph 6: Is the sanitary and water lines deleted form the site work package as well?
A70: No. Provide the deduct alternate to include specifically the items identified.

Q71: Specification Section 12300, Page 3, Paragraph D: Does it include the floor finishes?
A71: Refer to ADD 4.1 for response.

Q72: S5.7/5.6, The HSS 8.625x0.5 post is not necessary in the truss design. Would it be possible to eliminate that post and let a girder truss run across to tie into the hip?
A72: The Engineer has designed the truss to meet project parameters as it is currently designed. During the construction phase, the Engineer will be happy to review an RFI submitted by the successful bidder. At this time, please bid the design as it is on the drawings.

Q73: S5.5/5.6/5.8: Would it be possible to build the 3'-5" gap into the truss profile and have the bottom chord rest directly on the beams or drop a knee wall in for the 3'-5" and build the truss on top of that?
A73: The Engineer has designed the truss to meet project parameters as it is currently designed. During the construction phase, the Engineer will be happy to review an RFI submitted by the successful bidder. At this time, please bid the design as it is on the drawings.

Q74: On the top of the garden wall and the retaining wall – Is the sloped brick one piece or can it be bonded two piece?
A74: Two pieces will be acceptable, but joints should be staggered.

Q75: Is Dryblock in the regular CMU's and regular mortar? Dryblock can not be used in the mortar for brick.
A75: The specifications indicate it is to be used in mortar for Concrete Masonry Units (CMU). Refer to Specification Section 042000, 2.6 I.

Q76: Is there a boring location plan?
A76: Yes, the boring plan was provided as an attachment to Addendum #3.

Q77: All of Glen-Grey's mortar start with a "G". Is this a typo, when the spec references "F"? Should it read G-401?
A77: Addendum #3 replaces the Glen-Grey product with an alternate product.

Q78: Does Men's Locker Room 005 get an acoustical ceiling? (Also Men's toilet and small hall)
A78: Refer to ADD 4.15 for response.

Q79: Please advise of the type of acoustical ceiling in the following rooms: 007 Women's Toilet, Women's Locker Room, and Women's small hall?
A79: Refer to finish schedule, sheet A8.8 and reflected ceiling plans. Indicated as APC-2.

Q80: Room 110 – Is the acoustical ceiling tile ACT-1 or ACT-2?
A80: Refer to ADD 4.15 for response.

Q81: Room 110C and 110D – Is there acoustical ceilings and what type of acoustical ceiling?
A81: Refer to ADD 4.15 for response.

Q82: Room 202A – Does it have ACT-1 or exposed ceilings?
A82: Refer to ADD 4.15 for response.

Q83: Room 209B- Does it have ACT-2 or exposed ceilings?
A83: Refer to ADD 4.15 for response.

Q84: Room 209G – Does it have ACT-2 or exposed ceilings?
A84: Refer to ADD 4.15 for response.

Q85: Room 209 – Does this room have access floor? If so, should the carpet be Carpet 4?
A85: Yes. Carpet to be CARP-4, which is typical at access floor locations.

Q86: Access Flooring Panel Covering/ Carpet Specification Section 096900: Drawing A8.7 indicates CARP-4 (tiles) to be used for the raised floor, this tile is not 24" square (50 CM). How is it to be installed on the raised floor panels, field applied by others or factory applies by the Raised Floor supplier? Specification Section 096900 – Page 4, Paragraph C2, same size as panels – Page 7, Paragraph E, bond with cond. Adhesive (sounds like factory applied). Page 11 Paragraph F1 (sounds like factory applied?)
A86: Carpet tile to be field installed. C2, page 4 refers to samples requiring submittal approval.

Q87: Specification Section 017326, Page 5: 2.3 Insulation – 40 PSI no longer available and thickness is not shown or stated.
A87: Refer to ADD 4.2 for response.

Q88: Drawing Sheet C1.9 and C5.9 / Specification Section 323119 – The fencing shown on the drawings is style "A". The specs indicated style "K".
A88: Refer to ADD 4.11 for response.

Q89: Specification Section 051200, Section 1.6, A/B: Can you waive or delete the requirement for both and AISC certified steel fabricator and erector? Many steel fabricators/erectors are AISC members but not certified.
A89: Please refer to response in Addendum #3.

Q90: What type of window covering is required at the Break Room curtain wall?
A90: Refer to ADD 4.1 for response.

Q91: Specification Section 111200 Parking Control: Please clarify this is card access in for entry and loop sensor activation for exit?
A91: Yes, that is correct. The system is designed in such a way that entry access is controlled so only employees gain access, but that once they are in, they can leave with no special knowledge or use of a card.

Q92: Specification Section 111200 Parking Control, Part 2 Products, 2.2E: Would a wooden arm be acceptable?
A92: Yes.

Q93: Specification Section 111200 Parking Control, Part 2 Products, 2.2.G.3: Can you provide details for 2-way communications? Will this be an intercom or a call box with dial tone? Will this mount on the same stand as the card reader? Where is the 911 call center located?
A93: No details can be provided. The intent was to have an intercom which would mount on the same pedestal as the card reader and keypad. The 911 Call Center is on the second floor at the north end of the building.

Q94: Specification Section 111200: Please provide a specification and detail for the card reader pedestal? Will this be provided by the access control provider?
Q95: No detail will be provided. The intent was to have a pedestal which has a keypad, the two-way communication device and the card reader. If the manufacturer/supplier wants to provide it on two or more pedestals next to one another, that is acceptable.

Q95: Specification Section 111200: Part 2 Products, 2.4.B.2: Will the proximity reader be supplied by the access control provider? If not, what type of prox card reader?
A95: The proximity reader shall be provided as part of this project. The Architect has no preference as to whom provides it – simply that it is capable of functioning with the Owner's existing access cards to permit entry. The Owner uses a BASIS access card system by Stanley Security Systems.

Q96: Specification Section 111200 Parking Control: Part 2 Products, 2.4.C.1: Digital keypad- will this be on a separate pedestal?
A96: If all of the required components will not fit on one pedestal, it is acceptable to use more than one pedestal.

Q97: Specification Section 111200 Parking Control: Part 2 Products, 2.4 D.1 Transmitters- are these wireless transmitters? If so, where will the receiver be located? Who will provide? Or are these hard wired buttons inside the building?
A97: At the contractor's option, they may be hard-wired or wireless. The specification does not indicate one way or the other. The Architect has no preference as to whom provided them- this is up to the contractor's means and methods– the Architect simply states that there are four buttons located within the 911 Call Center located on the North end of the Second Floor which are capable of operating the parking control gate.

Q98: Specification Section 111200 Parking Control: Part 2 Products, 2.4.D.2: Two way communications – is this a sub-station intercom unit that will call up to 4 master units inside the building? Will the master units need to communicate with each other? How far apart will the master units be from each other?
Q99: Correct, it will be a master unit that will communicate with four units inside the building. The units inside the building do not need to communicate with one another. Although the final location will be determined by the Owner, all four units are to be installed inside the 911 Call Center located on the North end of the Second Floor.

Q99: Is this project tax exempt?
A99: Yes, the project is tax exempt.

Q100: The specification lists Silent Knight as an acceptable manufacturer for the fire alarm system. However, the spec also says that the system must be able to adjust the sensitivity of the smoke detectors. Silent Knight and even Fire Lite (which is also in the spec) cannot change the sensitivity of the smoke detectors. Will the Silent Knight and Fire Lite (or any other listed manufacturer) be allowed for the fire panel if the cannot change the sensitivity?
A100: Requirement for adjustment of sensitivity can be waived.

Q101: Are the storm water conveyance channels to be grass lines, rip rap, or concrete?
The permanent and temporary storm water conveyance channels are required to have a minimum EC-2 jute mesh lining in accordance with VDOT standards and specifications and the contract drawings.

Q102: This job is an export from an excavation standpoint. We are using material from an existing stockpile in a yard area. Can we just take the fill material required from the stockpile, regrade and stabilize what is left, and leave the remaining on site in its current location?
A102: No. The existing stockpile area shall be used by both the Sheriff's Office contractor and the Animal Control Facility contractor. The Sheriff's Office contractor shall remove the remainder of the existing stockpile and grade the area as shown on Drawing Numbers C1.6 and C1.7.

Q103: Specification Section 149200: Specification appears to be written around a "fully automatic" type system as compared to the "semi –automatic" type in regards to design requirements. System operating features and substation description. Please advise if specification will be modified or PTS bidder is permitted to provide a thorough specification response with bid.
Q103: Provide a system in which remote stations may only send to the Central Station. The PTS bidder shall provide a complete operable system.

Q104: Drawing Sheet A5.12: 911 Center- Master Station & Detectives Suite – substation are shown as "up receive". To insure "air cushioned" carrier arrival (per spec), stations should be shown as "down receive". Please confirm station type.
A104: The design team has no preference as to the station type, the drawings are schematic only. Provide a complete system which meets the design intent. Remote stations may only send to the Central Station.

Q105: Drawing Sheet A5.12: Box station shown with dimensions appears to be for a 6" system to assist framing and drywall trades, a 4" system (per spec) box station size (approx. 8" wide, 6" deep, 16" high) should be shown. Please confirm.
A105: Responded to in Addendum #3.

Q106: Drawing Sheet A1.3, A1.4, A1.5, A1.6 and A5.12: A 5.12 shows room locations for stations. Please advise or show actual station locations in each room on architectural floor plans.
A106: Final location inside each of the rooms shall be coordinated with Owner during the submittal process in construction.

Q107: Drawing Sheet A5.12: Diverter and Blower Locations, while diverter sizes vary by manufacturer (approximately 19" wide, 22" high, and 37" long), it is believed diverter should be placed above ceiling or in attic near 911 Center- Master station and blower power unit location should be shown. Please confirm.
A107: There is insufficient space above the ceiling. The exact location inside the room shall be coordinated with the Owner during the submittal process in construction.

Q108: Specification Section 149200, Page 7, 2.3 POWER UNIT: Specification may be interpreted as a "regenerative type" or a "package blower". There is a significant difference in cost and operating life between the two. A regenerative unit is typically 240/480 volt 3 phase with operating life of over a

decade where as a packaged unit is typically 120 volt / 20 amp with operating life of several years. A regenerative is more expensive and will also require an air shifter switching from vacuum mode to pressure mode for system operation. Please confirm type.
A108: Provide a package type.

Q109: On E7.2 Feeder #1 (Utility Trans to SWBD) shows 2(3# 400KCMIL +1#3/0 N-4" PVC with USE-2 Cable) , but on E6.1 there is reference 02/E6.4 , which calls for 5'' 3-way duct bank with 1-5'' and 2-5'' spare conduits. Please advise.
A109: Refer to ADD 4.25 for response.

Q110: On E7.2 Feeder #2 (Generator to Panel Gen) shows 2(2#400kcmil +1# 3/0 N , 1#3/0 G-4' PVC with XHHW-2 Cable) , but on E6.1 there is reference 03/E6.4, which calls for 6-way duct bank with 4-4'' and 2-2'' conduits. Please advise.
A110: Refer to ADD 4.25 for response.

Q111: E0.2, Note 28 states: ".. Contactor to provide poke through and raceway per detail 1/E6.7, but this Detail is not shown on E6.7. Please advise.
A111: Refer to ADD 4.19 for response.

Q112: Who is responsible for signal circuits through telephone handholes as indicated on E1.1 , Note 2? If we are responsible please provide us cable type for signal circuits. Please advise.
A112: Signal circuits (Telecommunications/Data cables are NOT IN CONTRACT. Note is for informational purposes.

Q113: Section 260923 calls for time switches, occupancy sensors, and lighting contactors , but these lighting control devices are not shown on E-Drawings . Please advise.
A113: Provide local switching as indicated on the drawings.

Q114: E2.5, Note 1 & E2.6, Note 1 call for dimming ballasts for fixtures in rooms #201A and 209A accordingly, but dimming switches are not shown in these rooms. Please advise.
A114: Provide DIMMING SWITCHES in rooms referenced to SPECIFIC NOTE 1 and provide fixtures in rooms with DIMMING BALLASTS as specified in SPECIFIC NOTE 1.

Q115: On E3 & E4-Series Rescue System is shown, but Rescue System devices and panel are not listed in Spec's. Please advise.
A115: Please refer to Addendum #3.

Q116: E4-Series (Special Systems):There are no Fire Alarm devices in Elevator shaft. Please advise.
A116: Refer to ADD 4.21 for response.

Q117: E4-Series (Special System): On FA Riser Diagram (on E5.2) there is Heat Detector shown , but Heat Detectors are not shown on Floor Plans. Please advise
A117: Refer to ADD 4.21 and ADD 4.23 for response.

Q118: E4-Series (Special System): There are (2) FACP shown on E4.3 & E4.6. Is this correct? Please advise.
A118: Refer to ADD 4.22 for response.

Q119: E4-Series (Special System): On E4.6 (in Room #209G) there is FAAP, but this Panel is not shown on FA Riser Diagram (on E5.2), Please advise.
A119: Refer to ADD 4.22 for response.

Q120: E4-Series (Special System): On FA Riser Diagram (on E5.2) there is FAAP shown in Lobby, but this Panel is not shown on E4.3 (in Lobby). Please advise.
A120: Refer to ADD 4.23 for response.

Q121: E4-Series (Special System): On E4.5 (in Elevator Control Room) there is "CM" symbol, but this symbol is not shown on E0.1 (Fire Alarm devices). Pleas advise.
A121: Refer to ADD 4.21 for response.

Q122: E4-Series (Special System): On E4.6 there are "S(F)" symbols, but this symbol is not shown on E0.1 (Fire Alarm Devices). Pleas advise
A122: Refer to ADD 4.18 for response.

Q123: On E4.13, Note 4 (in Telecom Room) calls for 16" x 4" Cable Tray, but on E4.14, Note 2 (in the same Telecom Room) calls for 12'' x 4" Cable Tray. Please advise.
A123: Refer to ADD 4.26 for response.

Q124: On E4.15 there are Notes 5 & 6 (on Floor Plan), but these Notes are not listed on Specific Notes. Please advise
A124: Refer to ADD 4.27 for response.

Q125: On E4.15, Note 4 (on Floor Plan) refers to (2) different sizes of Cable Tray. Please advise.
A125: Refer to ADD 4.27 for response.

Q126: On E4.16 (in Telecom Room) there is Cable Tray shown, but there is no size. Please advise
A126: Refer to ADD 4.26 for response.

Q127: On E4.17 there are Notes 6 & 8 (on Floor Plan), but these Notes are not listed on Specific Notes. Please advise
A127: Delete reference to NOTES 6 and 8 indicated on the Floor Plan.

Q128: On E4.18 there are (1) pull box and (2) conduits shown, but there are no sizes. Please advise.
A128: Refer to ADD 4.29 for response.

Q129: On E1.1 (between references 1/E6.5 and 2/E6.5) there are (5) 2'' shown, but on 1/E6.5 there are (3) 2" and (2) 1'' shown. Please advise.
A129: Refer to ADD 4.29 for response.

Q130: Section 283111, 3.2 states:". Connect hardware and devices to Fire Alarm System", but these devices(connections) are not shown on E4-Series. Please advise.
A130: Refer to ADD 4.9 for response.

Q131: Please provide us exact quantity of lighting fixtures type 'W' & "X", and Fire Alarm Devices as indicated in Section 012300, 3.1.D.2,."Add" (Alternate No 4)
A131: Contractor shall provide quantities to comply with IES and NFPA.

Q132: On E4.18 , Note 8 states: '…to be run below raised floor in Basket Tray", but Basket Tray is not shown on E4.18 . Please advise.
A132: Refer to ADD 4.30 for response.

Q133: Specification Section 105268: Ceiling Height from slab to sprinkler (or ceiling, if no sprinklers)
A133: Ceiling heights are indicated in the Finish Schedule, Drawing Sheet for Archives/ Records Room. Evidence Storage has no ceiling or sprinklers. Provide overall unit no taller than 96" as per Specification Section 105628.

Q134: Specification Section 105268: Please provide a shelving elevation indicating the number of Shelf Openings in each Mobile Shelving System.
A134: Refer to question 13, Addendum #3 for response. An elevation will not be provided. The overall system parameters are provided.

Please acknowledge receipt of this addendum on your bid submission. Do not fax or email acknowledgements.

Kelly S. Dixon, CPPB

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