



### ADDENDUM NO. 3

DATE: May 26, 2017  
INVITATION FOR BID: IFB J170021809 – Emergency Communication Center Renovation and Addition Project  
DATED: May 4, 2017  
RECEIPT DATE: **May 31, 2017**  
OPENING DATE: **June 1, 2017**  
SUBJECT: Receipt/Opening Date Change, Question/Answer, Changes to the Drawings

Ladies/Gentlemen:

Please take note of the following:

#### **Receipt/Opening Date Change:**

1. The Bid Receipt Date is changed to June 6, 2017 at 2:30 p.m.  
The Bid Opening Date is changed to June 7, 2017 at 2:30 p.m.

#### **Question/Answer:**

2. Specification Section 074113.16 Standing Seam Metal Roof Panels. The specifications are a standard performance specifications. Do you by chance know the manufacturer of the existing standing seam metal roof we are trying to match?  
*Answer:* Project records indicate that the existing roofing is AEP Span, Kynar coated, HS 20/24 Zinc Gray.
3. Sheet A2.1 detail 5 does not match detail 2 type glazed CMU type 1. Please clarify.  
*Answer:* Provide glazed, scored, CMU type 1 at the locations shown in Enlarged Elevation 5 on sheet A2.1 to match existing blue glazed unit finish.
4. I have been looking at the bid documents for this job. In section 230900-1, item 1.3.A, it says that the existing Building Automation Controls System is Johnson Controls. This is incorrect. Siemens replaced this system about 5 years ago; the current system is a Siemens APOGEE Building Automation System. This could cause a lot of confusion on bid day and beyond.  
*Answer:* The information submitted by Siemens is provided for the use of bidders.
5. Sheet A1.1 I know we talked about the letter F being just a box but there are also notes with boxes no numbers. Also scales and other measurements have boxes. May have to reissue Architectural drawings after all.  
*Answer:* The software conversion error seems to have been limited to the Architectural Drawings but the complete set of drawings has been re-issued to eliminate the open boxes that

were typically substituted for the letters “f” and “q”. The dates were not revised, replacement text “clouded” or the addendum referenced in the re-issued drawings.

6. Section 4/A2.1 shows a dropped ceiling at 8’-0” outside of Corridor #201. However elevation #4 on A2.1 does not outline a ceiling. Which is correct? See attachments. Can you please clarify.  
Answer: Provide the suspended drywall ceiling in accordance with 4/A2.1 and 8 / A5.2. Delete drywall attached to underside of trusses as shown in 4/A2.1. Exposed soffit shall be painted ceiling white.
7. Spec section 26 05 10, Part 3.1, Section A. stipulates to demonstrate successful construction of three similar E911 Center projects that meet Motorola R56 requirements in the last five years. Is this a non-negotiable for electrical sub-contractors to bid on the project? Additionally, it was explained at the Pre-Bid meeting that any scope relating to radio or antenna requirements will be “by owner.” Please advise.  
Answer: Although it is critical that the electrical subcontractor be familiar with working in E911 centers and familiar with the Motorola R56 Standards that apply to these facilities and impact the warranties from Motorola and associated communications equipment manufacturers/providers, the requirement for past experience in these facilities or with Motorola R56 is hereby waived. Grounding is a critical component of this work. Work provided by the Owner relative to this section is for the providing of the wiring and consoles / communications equipment.
8. The current contract documents call for a 250A/3P breaker to be added to the existing 800 Amp Panel MDP. This breaker will feed the downstream NEW PANEL NDP, which is a 400A MLO panelboard. During the meeting Shane Rollison stated that continuity of operations is paramount and NO outage will be allowed. OSHA has specific rules about what can be allowed for “hot” work. Unfortunately the existing Panel MDP do not have any Arc Flash labels to indicate what the appropriate PPE (Personal Protective Equipment) rating in calories should be. Therefore “hot” work is likely not approved by OSHA. RFI QUESTION(s): Does the City of Richmond currently know the Arc Flash rating for this panel and have it on file? Will HDM be providing an Arc Flash and Coordination Study for this site as part of the bid process for this job? If neither, then please see RFI # 1A below.  
Answer: HDM notes that the Arc Flash Boundary is 216.5 inches with Incident Energy of 46.9 cal/cm<sup>2</sup>.
9. Has the City of Richmond thought about bringing in a new Dominion Virginia Power electrical service for the new addition? This would allow all work to be done in a new construction, best practices method. Having a new service would not have to affect the existing electrical infrastructure that is currently serving the E-911 Communications Center. It would also eliminate single points of failure such as the 800A/39 Main Breaker in the existing MDP Panel as well as other breakers in series downstream.  
Answer: The City did investigate the cost of a second service as a redundant power source. A second electrical service is neither cost effective nor within current project funding. The building is not designed to comply with the requirements for separate services. It would seem to also eliminate current backup power supply from the onsite generators and portable generator connection. A second service also appears to create more operational issues than the current single service design.

10. I have already sent over to Oscar Knott a first rendition of this RFI. The information provided on the attached PDF provides more detail for this option. Liebert (and to my knowledge all other UPS manufacturers) will NOT be able to bid the UPS system the way it is currently shown on One-line. The reason is that UPS modules can only parallel their outputs together when they are bused at the same voltage. The problem with the one line is that each UPS has its own downstream transformer connected between it and the paralleling / bypass cabinet. The paralleling / bypass cabinet is paralleling three (3) separately derived electrical sources, which I believe is not desirable. In order to rectify this we have provided an option on the attached PDF. We respectfully request consideration for this drawing change. To assist with this change we have provided a new room layout to show how the equipment would adequately fit in the space provided. Please let us know if you have any questions or need additional information.  
Answer: The owner has requested redundancy for transformers. One transformer for input or output of UPS is not acceptable to owner. One line diagram was revised locating the transformers on the input of the UPS. UPS modules are 208V input and 208V output.
11. Are the borrowed lights at “window types” aluminum or steel? The existing are aluminum but the “2” drawing states “standard hollow metal frame” and indicates 2 ½” wide framing members (not typical for HM frames). Sheet A6.1 Window Types.  
Answer: New windows are to be aluminum, not hollow metal to match the existing units in section, finish, color and glass. Existing units were specified as Level 3 with glass (laminated float glass, polycarbonate and tinted glass, rated for 44 magnum) similar to GuardVue 3000 by Viracon, Inc. The windows are coated with a 3-coat fluorocarbon system (Duramar UC40597 XL, Banner Red, PPG).
12. What are the numbers under the “Fire Rating Label” column at the door and frame schedule? Sheet A6.1 Door & Frame Schedule?  
Answer: The numbers listed in the fire-rating label column and the key side column were misplaced and should all be listed under the hardware set column. There are no-fire rated doors or frames. Sheet A6.1 has been revised, changes clouded and re-issued as part of this addendum.
13. Which exactly are the bullet resistant doors, if any? The note under the door schedule says BR frames at 201 and 206D but where does it tell us that doors themselves are bullet resistant? Also, there is a BR frame at 201 but the glass appears to be standard insulating glass.  
Answer: Doors 201 and 206D are the only bullet resistant doors and frames with bullet resistant glass.
14. The specs for flush wood doors state “Provide AWI Quality Certification Labels ... “. These are two different things: first, there is a Certificate of Compliance and then there are individual labels that can be affixed to each door. The labels are expensive; the Certificate is not and is usually what the Architect needs – not the labels. Can the Architect Clarify this?  
Answer: Delete sub-paragraph 081416.2.2.1 in its entirety. Provide products that are AWI certified. No labels will be required.
15. Per Demolition Legend #15, the Contractor is to remove or relocate the existing shed. Will access to this shed be required during construction? If yes, will the shed be required to be

maintained behind the gate access system or can it be relocated outside of the gated fence? Please clarify.

Answer: Access to the shed is not anticipated during construction. If relocated, the Owner will provide direction to a nearby location.

16. In anticipation of scheduling, please provide historical information for previous three (3) years of days that experienced heavy call volume (above average).

Answer: The reduction in call volume has been minimal and is somewhat seasonal as to the peaks and valleys in volume. This will be addressed with the successful bidder but shall be assumed for bidding purposes to be constant in volume.

17. Will Davis Bacon Wage Rates be required?

Answer: Davis Bacon will not apply to this project.

18. Per the project manual, section 3.1, the Contractor is to provide several items as supporting evidence of qualifications (ie...resumes, list of similar projects, safety plans, etc.). During the prequalification phase these were previously submitted. Will it be necessary to re-submit this information with our bid proposal? Please clarify.

Answer: This language was included in the project manuals prior to the decision to pre-qualify the general contractors. It will not be necessary to resubmit the information.

19. To assist with scheduling, please provide anticipated completion dates for the Verizon and Comcast lines to be relocated.

Answer: Current plans are for the utility lines to be relocated prior to the commencement of construction.

20. Per the project manual, section 3.16.2 Blasting Insurance, is it necessary for the General Contractor to carry blasting insurance or can this insurance be carried by the Subcontractor? Please clarify.

Answer: No blasting will be permitted on the site, nor should it be necessary based upon the geotechnical report. Therefore, blasting insurance is not required.

21. Sheet A2.1 Elevations - Elevation 2/ A2.1 North at the vestibule #213 seems to show a wall make up of #1 and #2 ground face CMU units, however, the East Elevation 1/A2.1 seems to show all type #1 ground face units. Which is correct? We don't know how to work the finished ends on the ground face at the building corners.

Answer: Elevation 1/A2.1 - white and gray ground faced units with glazed units above simulated pillars. Note difference in hatch pattern to designate the various materials and the notes to the right side of the elevation which indicate ground face CMU types 1 & 2 with glazed CMU type 1.

Elevation 2/A2.1 – white and gray ground faced CMU units type 1 & 2 with glazed accent CMU type 1(16 x 16) per 5/A2.1 and over simulated corner pillars.

Elevation 3/A2.1 – white and gray ground faced CMU units type 1 & 2 with glazed accent CMU type 1 (two places) behind rain leaders.

Elevation 4/A2.1 – white and gray ground faced CMU units type 1 & 2 only, no glazed units

**Changes to the Drawings:**

22. SHEET A6.1

See changes to the door schedule.

23. SHEET E0.1

The riser diagram has been revised to indicate transformers are now on input side of UPS instead of output side.

Bidder must take due notice and be governed accordingly. This addendum must be acknowledged as indicated in the Bid Book or your bid may not be considered.

Sincerely,



Oscar Knott, CPP, CPPO, VCO  
Contract Specialist Supervisor  
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