

A d d e n d u m

RMFDE - 911 Complex

DATE: 7/2/2025

TO: All Bid Document Holders

FROM: Gary E Harvey

COMM. #: 24100

ADDENDUM #: 2

BID DATE: 7/14/2025

BID TIME: 2:00pm

BID LOCATION: Purchasing Office, Rm. 200, at 57 S. Center Drive, Daleville, VA 24083, Atten: Stephanie Sparks - purchasing@botetourtva.gov

This addendum becomes part of the Construction Documents. The following changes, additions, and deletions shall be made to the following documents; all other conditions shall remain the same. Please attach to all copies of the Construction Documents which you are holding.

All Contractors are to state in their bid the receipt of this addendum.

A third and final addendum (Addendum #3) containing responses to all Owner Provided Front-End related inquiries will be released no later than the close of business on Monday, July 7th. The bid date is to remain unchanged unless noted otherwise in Addendum #3. Last day for questions will remain unchanged.

Instruction to Bidders:

ADDENDUM TO THE DRAWINGS:

<u>Number</u>	<u>Drawing</u>	<u>Detail No.</u>	
AD2.1	A1	Varies	Added base and adjusted the height off the floor of the plywood.
AD2.2	A4-A6	Varies	Missing note '502' regarding metal stud framing was shown on all pertinent wall sections and details.
AD2.3	E5	1	Clarified starters for exhaust fans.
AD2.4	E6	n/a	Indicated grounding systems information.



AD2.5	A1.20	n/a	Finish Schedule was updated to align with the Finish Plans.
AD2.6	A1.3	2	Revised to show lighting.
AD2.7	A6.1	3	Removed bullet resistant hatching from Alum Storefront Type AL-3 (W2).
AD2.8	MD1.0	1	Revised layout to align with existing grid.
AD2.9	M2.0	1	Revised existing layout to align with existing conditions.
AD2.10	M5.0	n/a	Revised “Reheat” information for CRAC units.
AD2.11	ED1.1	1	Revised existing lighting layout.
AD2.12	E1.1	NOTES	Included note addressing existing fire alarm system and indicated new lighting.
AD2.13	E2.1 & E2.3	Varies	Clarified pole lighting fixtures.
AD2.14	E3.3	1	Indicated and tagged circuits for server rack busways.
AD2.15	E4.1	n/a	Noted UPS kVA rating and conductors.
AD2.16	E4.4	n/a	Included circuit information for server rack busways and noted ratings.

ADDENDUM TO THE SPECIFICATIONS:

<u>Number</u>	<u>Spec Section</u>	
AS2.1	00 0110	Revised ‘Table of Contents’ specification section.
AS2.2	00 0115	Revised ‘List of Drawing Sheets’ specification section.
AS2.3	09 6813	Revised ‘Tile Carpeting’ specification section to include product specification for finish ‘WOC’ (walk off carpet).
AS2.4	10 5030	Added ‘Turnout Gear Lockers’ specification section.
AS2.5	10 5113	Revised ‘Metal Lockers’ specification section to remove Turnout Gear Locker specifications.
AS2.6	13 3419	Revised ‘Metal Building Systems’ specification section to include material finishes.
AS2.7	22 0523	Added ‘General-Duty Valves for Plumbing Piping’ specification section.



AS2.8	22 1414	Added 'Storm Drainage Piping' specification section.
AS2.9	33 4100	Added 'Storm Utility Drainage Piping' specification section.
AS2.10	APPENDIX A	Added 'Geotechnical Engineering Report - Read Mountain Fire Station' as 'Appendix A'
AS2.11	APPENDIX B	Added 'Mach Alert Station Alert System Drawing' as 'Appendix B'

QUESTIONS/ANSWERS AND CLARIFICATIONS:

Number

- | | | |
|---|-----------------|---|
| 1 | <i>Question</i> | <i>Drawing E2.1 indicates to refer to the civil drawings for location of Type K pole-mount site lighting fixture locations, however Sheet E2.3 indicates Fixture Type K to be a 2x2 lay-in fixture. Please clarify.</i> |
| | <i>Answer</i> | Revised light fixture schedule has been provided in this addendum, clarifying intent. |
| 2 | <i>Question</i> | <i>Item #13 of the Agenda provided with Addendum #1 states that Botetourt County will provide (purchase) the generators for the project. Please verify the county will also provide storage, if necessary, and deliver to the jobsite.</i> |
| | <i>Answer</i> | Owner will coordinate shipment to a location of the Contractor's choosing within 25 miles of the jobsite. Contractor assumes responsibility for the equipment upon receipt and is responsible for risk associated with protection and storage. |
| 3 | <i>Question</i> | <i>Will the county also provide the four auto transfer switches and the generator tap box?</i> |
| | <i>Answer</i> | Automatic Transfer Switches and Generator Tap Box will be included with the Owner's order and have the same hand-off conditions as Question #2 above. |
| 4 | <i>Question</i> | <i>Exhaust fans EF-1 and EF-2 show to have both a combo starter and a manual starter for each of these fans. Are both starters required?</i> |
| | <i>Answer</i> | Only a combination starter is required for each of these exhaust fans. See revised sheet E5 included with this addendum. |
| 5 | <i>Question</i> | <i>Drawings and specs include no indication of a size for the UPS. Based on the one-line and schedule showing 400A feeding the ATS, the largest UPS would be a 208V 90kVA with lithium batteries. Please either provide a kVA size for the UPS or advise if 90kVA is correct.</i> |
| | <i>Answer</i> | The desired UPS is 120 kVA. Please see the revised one-line diagram on sheet E4.1 attached to this addendum. Any manufacturer-recommended breaker or wiring adjustments for the wiring feeding the UPS will need to be |



accounted for by the contractor.

- 6 *Question* *Please provide size info for the owner provided generators and associated auto transfer switches.*
- Answer* Basis-of-design generators are listed in specifications 263213.13 and 263213.16, by Kohler. Contractor shall coordinate with Owner for final details of generator including physical size, connection requirements, and accessory circuitry. The size of the ATS units will match the size of the upstream circuit breakers. The gen-to-gen transfer switch will have the capacity to switch the entire service load of the generator from one to the other. Contractor to be responsible for all testing requirements of the generator and switching facilities listed in the specifications.
- 7 *Question* *The busway plug schedule says the plug-ins should have a twistlock recept to plug into the hardwired PDU. What recept is needed for the 20A (L5-20R?) and 30A (L5-30R?) plug-ins?*
- Answer* The locking style plugs noted in the question above (L5-20R and L5-30R) are acceptable, provided that the hardwired plugs match. Contractor to verify recommended plug-in unit and cable requirements as per Note 4 on sheet E3.3.
- 8 *Question* *The busway schedule says the breaker/plug should be 100% rated. Is this correct? Nothing indicated in the spec and 80% rated breakers are typical. Please advise.*
- Answer* The noted busway plugs on the drawings should be 100%-rated.
- 9 *Question* *Sheet E0.1 General Note 18 – Please provide Drawings/info*
“CONTRACTOR SHALL COORDINATE WITH OWNER’S DISPATCH SYSTEM PROVIDER, MACH ALERT, TO PROVIDE A FULLY-FUNCTIONAL DISPATCH SYSTEMS. DRAWINGS OF THE DISPATCH SYSTEMS CAN BE PROVIDED UPON REQUEST.”
- Answer* Please find the drawings provided by Mach Alert attached to this addendum. These have been added as an addendum to the specifications.
- 10 *Question* *The busway schedule says the breaker/plug should be 100% rated. Is this correct? Nothing indicated in the spec and 80% rated breakers are typical. Please advise.*
- Answer* These breakers/plugs shall follow the schedule on the drawings and be 100%-rated.
- 11 *Question* *There is no fire alarm scope shown for the existing building renovation. Is the existing system to remain?*
- Answer* Yes, existing fire alarm is to remain. See ‘Notes (Sheet E1.1) note #1 on revised sheet E1.1 for further clarification.
- 12 *Question* *Will the new system be required to connect with the existing system? (follow up to question 11)*



- Answer* Tie-in shall be made to existing system such that new system alarms upon activation of existing system. See 'Notes (Sheet E1.1) note #1 on revised sheet E1.1 for further clarification.
- 13 *Question* *I see no circuits or panels for the busways in the server & com room 208.*
- Answer* See revised sheets E3.3 and E4.4, released with this addendum. The circuits and panels for the busways have been identified and tagged.
- 14 *Question* *There is a communication line shown going from the addition to the new radio shop building on sheet C3.0. There is no information on the size of this conduit or its destinations.*
- Answer* Note 5, sheet E3.1 describes the conduits required.
- 15 *Question* *There is a red square between the generators, is this the ATS generator?*
- Answer* Yes, this is ATS-GEN as noted on the one line diagram. It is a generator-to-generator transfer switch with a control system that alternates operation between the two generators.
- 16 *Question* *There is no grounding for the new radio shop building.*
- Answer* See revised sheet E6 for required grounding connections in the radio shop building.
- 17 *Question* *There are no fire treated backboards shown for the tele/data system*
- Answer* Fire treated backboard is shown on detail B, sheet E5.1.
- 18 *Question* *There are no ground bars shown for the tele/data system*
- Answer* Provide a ground bar, per specifications at the location of the IT Backboard in Mechanical 131, one in Comm/Server 208, and one in the radio shop, as shown on revised sheet E6.
- 19 *Question* *Sheet E1.1 Note #12 indicates that we need to replace the light fixtures and controls in all rooms marked with that note. This includes multiple rooms and corridors.*
- Is a drawing available that shows these fixtures? Alternatively, would it be possible to schedule a walk-through so I can get an accurate count of the required light fixtures for these areas?*
- Answer* No lighting fixture drawing is available to show these fixtures. Please see revised sheet A1.3 for locations of existing lighting. The Contractor is responsible for field verifying the location, quantity, and size of these lights. Please request access to the facility by contacting Stephanie Sparks at purchasing@botetourtva.gov.



- 20 *Question* *On 105113, there are 2 specs, one for “Box Lockers” and one for “Open-Front Turnout Gear Lockers”. I cannot find the box lockers on the drawings so I do not know the quantity to quote. On the open-front turnout gear lockers, it states open-front in the lead in, but it mentions specifications for doors in two locations following that. Do they want doors or no doors?*
- Answer* “Box Lockers (Decon)” are located in the Decon Shower rooms, see 2/A13.1. The doors included in the specification are for the “Box Lockers (Decon)”. The “Open Front Turnout Gear Lockers” do not have doors. The basis of design product for the “Open Front Turnout Gear Lockers” is Standard Wall Mount Lockers – Fire & EMS by GearGrid. Specification section 105113 has been revised to remove the “Open Front Turnout Gear Lockers” and “Section 105030 – Turnout Gear Lockers” has been added to the project manual as part of this addendum.
- 21 *Question* *The exterior doorlites calls for 1” IG’s but nothing is indicated for interior doorlites. Would you like them 1” IG’s or ¼” Clear Tempered?*
- Answer* Interior glazing units are to be ¼” clear tempered unless otherwise noted such as in a bullet resistant assembly.
- 22 *Question* *Page A6.1 Frame AL-3 indicates glazing to be lvl 4 bullet resistant but when you look at page A2.1 these frames are not marked as bullet resistant.*
- Answer* All window assemblies required to be level 4 bullet resistant are hatched on sheet A2.1. The hatching has been corrected on sheet A6.1 to remove the bullet resistant glazing from W2.
- 23 *Question* *Would Edwards be an acceptable fire alarm manufacturer substitution for those listed in Division 28 46 21 Section 2.02?*
- Answer* Edwards is an acceptable manufacturer. This is assuming that the proposed manufacturer meets the performance requirements outlined in the specifications and integrates with the existing fire alarm system. Ensure that compliance with ‘Notes (Sheet E1.1)’ note #1 on revised sheet E1.1.
- 24 *Question* *Please provide fixture and pole types for the site lighting as noted on Sheet C3.0*
- Answer* See revised sheet E2.1 and E2.3 for revised schedule information showing site lighting fixture and pole.
- 25 *Question* *Sheet M3.1 room 213 shows (8) 24’x24” FG-1 that do not appear to have anything hooked to them, what is the design intent?*
- Answer* The devices indicated as FG-1 are floor grilles to be installed in the raised access flooring. The raised flooring area is served by equipment that provides supply air to the area beneath the raised floor surface at a suitable airflow rate and pressure to supply air to the room above through the floor grilles. The FG-1 grilles are not connected to ductwork.
- 26 *Question* *The following specifications are **not listed in the Project Manual’s table of contents** but are included in the manual:*
- a. 055119 Metal Grating Stairs*
 - b. 223300 Electric Domestic Water Heaters*



- Answer* Please see the revised 'Section 000110 – Table of Contents' attached to this addendum.
- 27 *Question* *The following specifications are listed in the Project Manual's table of contents but are **not included**:*
- a. 220523 General-Duty Valves for Plumbing Piping*
 - b. 221319 Sanitary Waste and Vent Piping Specialties*
 - c. 235216 Condensing Boilers*
 - d. 334100 Storm Utility Drainage Piping*
- Answer* Please see the revised 'Section 000110 – Table of Contents' attached to this addendum.
Section 220523 is provided per attached section document.
Section 221319 is to be removed from the table of contents.
Section 235216 is to be removed from the table of contents.
Section 334100 is provided per attached section document.
Section 221414 is added per the attached section document.
- 28 *Question* *We request the bid date be extended one day to Tuesday, July 15th. Mondays and Fridays are not good days to bid, and will limit participation from subcontractors.*
- Answer* The bid date will not be extended as the results and recommendations must be submitted to the board of supervisors on Tuesday, July 15th. Extension of the bid date would require a board of supervisors' submission in August and would push the start date of the project by one month.
- 29 *Question* *The following sheets that are contained in the drawing set, but missing from the drawing index (Section 000115), please advise:*
- a. CS1.2*
 - b. A7RS*
 - c. A8RS*
 - d. E9RS*
 - e. A1.7FS*
 - f. A6.4FS*
 - g. M4.0FS*
 - h. M7.0FS*
 - i. M7.1FS*
 - j. M7.2FS*
 - k. P2.0FS*
 - l. P5.0FS*
 - m. P5.1FS*
 - n. P8.0 FS*
 - o. P9.0FS*
- Answer* Please see the revised 'Section 000115 – List of Drawing Sheets' attached to this addendum. Also refer to Drawing M5.0 that is attached with additional clarifying details for equipment.
- 30 *Question* *The following sheets missing from plan set, but are listed in the Drawing Index (Section 000115), please advise:*
- a. AS1*



- Answer* Please see the revised 'Section 000115 – List of Drawing Sheets' attached to this addendum.
- 31 *Question* *Corridors 107, 123 and 132 show polished concrete on finish plans, but LVT on finish schedule. Please confirm the desired flooring finish in these areas.*
- Answer* The floors are to be polished concrete in these areas. See the revised finish schedule on A1.20 attached to this addendum.
- 32 *Question* *Vestibule 001 calls for walk-off carpet. There are no details or specifications on this walk off carpet. Please provide specification on the desired finish.*
- Answer* Please see the revised specification 'Section 096813 – Tile Carpeting' included with this addendum.
- 33 *Question* *Storage 012 Shows CPT-1 on the finish plan, but LVT on the finish schedule. Please confirm the desired flooring finish in these areas.*
- Answer* The floor is to be CPT-1 in this area. See the revised finish schedule on A1.20 attached to this addendum.
- 34 *Question* *We recommend removal of Sections 1.06C and 1.07C of 015100 that require maintaining of minimum and maximum ambient temperatures during construction. Rather, we believe the intent of these sections are to provide adequate temporary heating and cooling needed for construction operations.*
- Answer* Sections 1.06C and 1.07C are to remain. These are controlled by the specified conditions listed in 1.06B and 1.07B. The specified conditions for each construction activity can be found in the respective specification section for that component.
- 35 *Question* *Has an area been designated for the jobsite trailer? Space is extremely limited onsite. Also, please confirm if Skanska/AE is to have their own trailer (discussed at prebid) or if it is shared per Section 2.05 015213?*
- Answer* No area has been designated for the jobsite trailer. Given the limited space on the site the location of this trailer shall be proposed by the selected Contractor and approved by the Owner. A separate job site trailer is not required for the Owner, Skanska, or AE. However, space must be provided for Skanska's on-site representative, and this may include space within the Contractor's jobsite trailer or a separate office.
- 36 *Question* *Section 017419 calls for a waste management plan stating separation of materials, which insinuates multiple dumpsters. With extremely limited space, where are we to locate these dumpsters?*
- Answer* Quantity and location of the dumpsters is a logistical responsibility of the selected Contractor.
- 37 *Question* *Section 1.06B 064100 calls for AWI certification. Can this be waived, assuming the standards are met (without having the actual certification)? It limits competition and drives up costs.*
- Answer* The AWI certification is required for Owner quality assurance.



- 38 *Question* *Are there any details for the generator concrete pads?*
- Answer* *See S0.2 "Exterior Concrete Equipment Pad Detail"*
- 39 *Question* *Is the Owner purchasing diesel for contractor use for testing and to fill the generator?*
- Answer* *The contractor is responsible for providing diesel fuel for the commissioning of the diesel generator. After commissioning it will be the Owner's responsibility to fill the fuel tank.*
- 40 *Question* *Item #16 of the pre-bid meeting agenda states that bids can be submitted in person or online through the Botetourt County vendor site. If submitted in person, we are to include one (1) original paper hard copy of the bid form, plus a thumb drive with an electronic copy. It was discussed at the pre-bid that this wouldn't work due to the last-minute nature of the hard bid environment, and that it would be okay to submit a second digital bid form within two business days of the bid date. Please confirm that only one (1) original paper hard copy is required for in person submission; i.e. a second hard copy is NOT required?*
- Answer* *A second hard copy is required. Please submit one original and one copy of all required bid documents as per 'Section 001116 - Invitation to Bid'.*
- 41 *Question* *On drawing M2, there is a note stating to "Mount HP-1 on concrete equipment pad. SEE STRUCTURAL" however it does not appear there are any details on the structural drawings relating to this equipment pad. Please clarify.*
- Answer* *The equipment pad detail is found on structural drawing S0.2.*
- 42 *Question* *On the Radio building is it possible to eliminate the 2" rigid insulation behind the metal wall panels and instead install a liner system with an alternate U value of 0.052 as allowed by table C402.1.4 of the 2021 IECC code. The 2" of rigid insulation creates a custom condition to the metal building and added cost to the project. The rigid insulation would be installed in the masonry cavity walls as indicated. The roof insulation will be a liner system with a U value of 0.035.*
- Answer* *The rigid insulation is to remain as illustrated.*
- 43 *Question* *If the rigid insulation remains please provide the design for the 2" zee girts supporting the insulation. The metal building manufacturer does not offer 2" Zee girts and will not design these members.*
- Answer* *The 2" Zee girts are CFS similar to those detailed for the Fire Station addition. Basis of design – Clark Dietrich 200ZG-54.*
- 44 *Question* *What is supporting the 2" Zee girts behind the metal panels. Do they span the entire bay?*



- Answer* These are to be attached to metal stud framing between the purlins as indicated on the revised drawing sheets A4-A6.
- 45 *Question* *On detail 4/A4 and 5/A4 there is a note indicating 4" vertical girt attached to horizontal girts. The metal building manufacturer does not offer a 4" girt. We will need a design for these members so they can be purchased from vendor outside the metal building manufacturer.*
- Answer* The 4" Zee girts are CFS similar to those specified for the Fire Station. Basis of design – Clark Dietrich 400ZG-54. These 4" girts are not to exceed 2' O.C. spacing.
- 46 *Question* *The 4" vertical girts are indicated to be attached to the horizontal girts. The 4" vertical girts will be placed over the 2" zee girts will not attach directly the horizontal girt.*
- Answer* The 4" vertical (Zee) girts (400ZG-54) will be attached to the 2" Zee girts (200ZG-54). The 2" Zee girts are attached to metal stud framing. See revised drawings A4-A6 attached to this addendum.
- 47 *Question* *The specifications do not indicate colors for roof and wall panels.*
1. Can we utilize a Galvalume finish on the roof panels?
2. Will the wall panel colors be from the manufacturers standard color palette?
- Answer* The roof and wall panels finishes will be selected from the manufacturer's full line of finishes. See revised specification Section 133419 – Metal Building Systems attached to this addendum.
- 48 *Question* *Sheet E2.1 General Note 2 – Please provide Drawings/info*
CONTRACTOR TO INSTALL ALL LIGHT FIXTURES PROVIDED BY DISPATCH SYSTEM PROVIDER. THESE FIXTURES ARE NOT SHOWN ON THIS PLAN AND WILL REQUIRE POWER AND A MEANS OF CONNECTING DATA WIRING. COORDINATE WITH DISPATCH SYSTEM DRAWINGS.
- Answer* Dispatch system drawings have been provided with this addendum.
- 49 *Question* *Note 5 on Sheet E5.1 indicates to see specofication for J-hook data cable path, however there is no specification provided. Please provide information for the j-hook pathway (quantity, size, type, spacing, etc.).*
- Answer* Material specifications for these J-hooks are listed in 260529 (2.03). Installation requirements are listed in section 3.04 of that specification section.
- 50 *Question* *Sheets E3.2 & E3.3 show 4 runs of Starline Busway in Server & Comm Equipment Room 208, however there is no circuitry shown for this busway. Please provide circuit info.*
- Answer* See revised sheets E3.3 and E4.4, released with this addendum.
- 51 *Question* *Please clarify who is responsible for boring under the road and installation of raceway for communications as shown on Sheet C3.0.*



- Answer* The Contractor is responsible for the boring under the road and the installation of the associated raceway. This underground raceway shall be routed to and terminated at an in-grade box to be coordinated by the Owner and installed by others near the tower location. The overall length of this underground raceway shall be assumed to be 125 linear feet.
- 52 *Question* *Please provide specification information for the 8' x 8' and 4' x 4' in-grade boxes shown on Sheet C3.0.*
- Answer* Material specifications for these boxes are given in specification 260533 (2.16). The 8' x 8' box may be reduced to 8' x 4' to be more congruent with manufacturer offerings for the product.

ATTACHMENTS:

- 1) Drawing sheets as listed under 'Addendum to the Drawings'
- 2) Specification sections as listed under 'Addendum to the Specifications'

END OF ADDENDUM