

**Response to Bidder Questions**  
**Montgomery County Burn Building Prop**

To: All Bidding Document Holders of Record

From: Wiley|Wilson

Lynchburg, Virginia

Date: 03/17/16 **Revised 04/01/16**

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*This Response to Bidder Questions contains 4 pages. Please see Addendum #4 for changes to the contract documents.*

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- **Bidder Question** - Alternate #3 on the bid form asks for a sprinkler line and pendant. How are we supposed to feed that line, or will that portion be NIC since it's outside of the 15' circumference?

If we are feeding it do we have flow ratings on the supply?

**Response** – The 4" standpipe and sprinkler line is a prop and is intended to be fed by a pumper truck connected at the male fire department connection shown on sheet A-102.

- **Bidder Question** - There also is add alternate #1 that references sheet A02 Note 8. I don't see that page and note 8 on S-001 isn't for the same thing?

**Response** – Bid Alternate #1 should refer to note C6 on sheet S-001 which indicates that epoxy coated reinforcement shall meet the requirements of ASTM A775. For this alternate, please include the costs to install epoxy coated reinforcement in lieu of the plain reinforcement for the cast-in-place concrete structure.

- **Bidder Question** - The Specs call out epoxy coated rebar in the concrete and galvanized in the CMU. It does not give any detail on any drawing calling out either one. Can you clarify?

**Response** – Epoxy coated reinforcement meeting ASTM A775 is to be included as Bid Alternate #1. The base bid should include plain carbon steel reinforcement meeting ASTM A615. Vertical reinforcement in the CMU shall be plain carbon steel reinforcement. Dovetail anchors for CMU shall be galvanized.

- **Bidder Question** - As referenced on page 26, Section 004113, C. Bid Alternates; item 1 mentions "Installing Epoxy Coated Reinforcing Steel as noted on Sheet A0.2 as note 8 under concrete". Will this sheet A0.2 be issued as a future addendum?

**Response** – No, see response to Bidder Question above.

- Bidder Question** - As referenced on page 26, Section 004113, C. Bid Alternates; item 2 mentions “*Additional Burn Rooms (Firebrick on floors, thermal lining on walls and ceiling)*”. Will the location of these additional burn rooms be identified in a future addendum?

**Response** – No, for the purposes of the bid, assume that the additional burn room would be room #104.
- Bidder Question** - S-502, Detail F calls for “*SS metal nosing with anchor*”. Can a specific product be given as a guide? Can a “Wooster” aluminum nosing be used as a substitute to the SS nosing?

**Response** – Cast Aluminum stair nosing such as Nystrom 2” wide with cast-in bolt or equivalent can be substituted for the specified stainless steel nosing.
- Bidder Question** - Specification Section 071400 indicates a product that resembles a “thoroseal /thorocoat” product. Is this appropriate? If not, will you suggest a branded product that meets your intent?

**Response** – Second Floor/Low Roof Framing Plan and High Roof Framing Plan on sheets S-102 and S-103 call out SIKATOP Seal 107 or equal.
- Bidder Question** - 07 80 00 - 1.3.A.2 calls for the temperature behind the lining to be 350 degrees when the exposed face is 1,500 degrees. Is heat flow analysis test data required to confirm the product meets this specification?

**Response** – *If the product is not listed under Part 2.1 of specification section 07 80 00 or if the product does not meet the requirements for number and age of completed projects then test data showing that the product can meet the performance criteria as indicated in Part 1.4.A and 1.4.B.4 of specification section 07 80 00 will be required.*
- Bidder Question** - Section 07 80 00, 1.3, A, 1 and 1.3, A, 2 require the lining system to withstand temperature spikes of 1500 degrees. The WesTec system is approved, however, the vendor specifications do not meet this requirement for areas beyond walls and ceilings, including any doors or windows to be lined. Please advise if this product is acceptable or if Montgomery County is providing an exception to this VDFP requirement as particular areas are limited to 1200 degree.

**Response** – Montgomery County is not providing any exceptions on the performance of the temperature lining system. The selected system must meet the 1500 degree spike temperature noted in the specification.
- Bidder Question** - Section 07 80 00, 1.3, A, 1 and 1.3, A, 2 require the lining system to withstand temperature spikes of 1500 degrees. What are the requirements for lining outside of burn rooms, i.e. ceilings, around windows and door frames? Does the 1500 degree requirement stand for those areas or is Montgomery County providing an exception to this VDFP requirement?

**Response** - Montgomery County is not providing any exceptions on the performance of the temperature lining system. All areas where linings are installed shall meet the temperature requirements specified in specification section 07 80 00.
- Bidder Question** - Is the 4” standpipe shown on A-102 supposed to be part of the sprinkler head alternate? Will there need to be hose valves on this pipe? 1 ½” or 2 ½” hose?

**Response** – Yes, the standpipe is part of the sprinkler head alternate. The 4” standpipe and sprinkler line is a prop and is intended to be fed by a pumper truck connected at the male fire department connection shown on sheet A-102.

- **Bidder Question** - the SS hinge on the scupper detail. These hinges won't hold galvanizing and would require moving a lot of removal of the hot dip if they were to be put on there after dipping.

**Response** – Provide bid based on scupper as indicated on the drawings.

- **Bidder Question** – On sheet A300, why are rollover tiles shown over windows that are not in burn rooms? Typical for all elevations.

**Response** – Consistent with the VDFP prototypes, rollover tiles are to be provided on the elevated concrete soffits and fascia of the elevated slabs where they protrude beyond the exterior masonry walls above all window openings as shown on the elevations.

- **Bidder Question** – Typically we provide only one tile on the sides of the openings. The elevations on sheet A-300 show the tiles extending two tiles wide to each side of the window. Do we need to have the thermal lining tiles extend two tiles wide to the sides of the window and door openings of the burn rooms?

**Response** – Consistent with VDFP prototype drawings, the thermal lining shall extend two tiles, approximately 24", to each side of each window or door opening to the burn rooms. See note on Detail – Thermal Lining at Slab Edge Above Window & Door Openings on sheet A-305 which also indicates "**LINING (NO INSULATION) @ WINDOW +2'-0" EA SIDE, AS SHOWN ON ELEV**".

- **Bidder Question** – Above the leftmost second floor window on the south elevation, it appears that the thermal lining stops before the rollover protection at the concrete soffit and fascia leaving an exposed section of CMU between the window opening and the protected slab above. Does the thermal lining stop before the top of the wall and then start again on the soffit and fascia?

**Response** – No, the thermal lining tiles should be continuous from the top of the window, up the wall, to the rollover protection indicated on the soffit and fascia. There should be no gap in the thermal lining tiles above this window.

- **Bidder Question** - Above the first floor door on the north elevation, it appears that the thermal lining stops before the rollover protection at the concrete soffit and fascia leaving an exposed section of CMU between the door opening and the protected slab above. Does the thermal lining stop before the top of the wall and then start again on the soffit and fascia?

**Response** – No, the thermal lining tiles should be continuous from the top of the door, up the wall, to the rollover protection indicated on the soffit and fascia of the second floor. There should be no gap in the thermal lining tiles above this door.

- **Bidder Question** – Is a 6'x5' thermal lining panel required on the ceiling within rooms 101 and 103 adjacent to the door openings to Burn Room 102?

**Response** – Yes, provide a 6'x5' section of thermal lining on the ceilings within rooms 101 and 103 adjacent to the door openings to Burn Room 102.

- **Bidder Question** – The drawings show lining on the column located at the intersection of gridlines 2 & C on the first floor, though it is not in a burn area, and we are not lining the ceiling supported by the column. The drawings do not show lining the column on the second floor. Do you want to line this column?

**Response** - Consistent with VDFP prototype drawings, provide thermal lining around the first floor portion of the column located at the intersection of gridlines 2 & C.

- **Bidder Question** – Section 6/S102 – Ventilation opening is not in a ceiling area that is being lined, but this detail shows linings. Do we need to provide thermal lining for the area around the ventilation opening?

**Response** – Consistent with VDFP prototype drawings, provide thermal lining around the opening as shown in section 6/S-302. The lining shall extend approximately 3 feet from the edge of the opening on all sides.

- **Bidder Question** – Section 4/S303 – Section is not taken from an area that is being lined, but this section shows linings. Do we need to provide thermal lining for the area?

**Response** – Consistent with VDFP prototype drawings, provide thermal lining around the opening as shown in section 4/S-303. The lining shall extend approximately 3 feet from the edge of the opening on all sides.

- **Bidder Question** – Section 2/E102 – Attached is an updated detail for thermocouple tiles. Would this be an acceptable alternative?

**Response** – If you are part of the selected contractor team, the proposed alternative will be reviewed as part of the shop drawing process.

- **Bidder Question** - General Conditions 007215-60, Article 14.02, Paragraph B states that the "Owner shall retain and pay for the services of an independent inspector, testing laboratory, or other qualified individual or entity to perform all inspections and tests...". Article 14.02, Paragraph D states that the "Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required...". Could you please provide clarity as to whom the responsibility falls on for arranging and paying for the concrete testing and inspections?

**Response** – Article 14.02 Paragraph B states that “Owner shall retain and pay for the services of an independent inspector, testing laboratory, or other qualified individual or entity to perform all inspections and tests **expressly required by the Contract Documents to be furnished and paid for by Owner...**”

- **Bidder Question** - Agreement 005215-6, Article 4.02 states that substantial completion is 305 days after commencement of the contract, and final payment at 365 days. Do the liquidated damages begin to incur after 305 days or 365?

**Response** – Per Article 4.03.A.1 of the Agreement, liquidated damages will begin for each day that expires after the time specified in Article 4.02.A for Substantial Completion. Article 4.02.A states that the time for Substantial Completion is 305 days. Therefore, liquidated damages would begin after the 305<sup>th</sup> day after the date of the Contract, if substantial completion has not been achieved.