



March 16, 2022

TO ALL PROSPECTIVE BIDDERS

RE: Schuylkill Valley School District
High School and Elementary School HVAC Upgrades
Contract Nos. 1 through 3
ADDENDUM NO. 2
SSM File 103916.0008

Dear Bidders:

The CONTRACT DOCUMENTS for the subject project are hereby revised by the following additions, changes, and/or deletions, which shall constitute ADDENDUM NO. 1.

1. **Bidder Questions**

ATTACHED: Questions and responses posted on the PennBid system are hereby incorporated into this Addendum 2. Addendum No. 1 incorporated responses to Question Nos. 1 through 33 of the attached document. Question Nos. 34 through 59 shall constitute Addendum No. 2

End of Addendum No. 2

Very truly yours,
Spotts, Stevens and McCoy

Attachments: PENNBID QUESTIONS AND RESPONSES

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SSM File 103916.0008**

Responses to Bidder Questions Posted on the PennBid System (Responses in [Blue Font](#))

1. Notes 5, 6, 7, and 8 on Electrical plan EP.D-06, show AHU-7, 8, and 9 and 3 roof fans to be disconnected and removed, but the mechanical plans do not show these items as needing removed. Which is correct? Shannon Smith
[Work shown on SSM electrical plans is accurate. See included Mechanical plans from Shamenek related to RTU's.](#)
2. Which contractor is responsible for removing and replacing the ceilings, and items such as lights, fire alarm devices, speakers, security, or lighting motion detectors, wireless access devices, in the ceiling where HVAC items need to be removed from above it? Shannon Smith
[General contractor is responsible for removing and replacing ceilings, as well as temporarily supporting lighting and ancillary devices.](#)
3. General conditions article 14.02-D states Inspection and testing, paid for by the contractor. The electrical bid form shown \$5,000.00 is to be included for testing and inspection. Does the Electrical contractor need to pay for testing and inspection in addition to the \$5,000.00 listed on the bid for or will the Electrical testing and inspection be paid for with the \$5,000.00 listed on the bid form? Shannon Smith
[The Owner will pay for the electrical permit, which would typically include the required inspection fees. The \\$5,000 allowance included on the bid form is for any supplemental testing required beyond that required by the electrical permit.](#)
4. Does note #3 on drawing EP.1-01 mean that the conduit and wire for this is provided by the HVAC contractor or by Trane, or does it mean that the EC should provide conduit and wire to a control device that is provided by Trane? Shannon Smith
[Low voltage control wiring to be provided and installed by the HVAC contractor. EC to provide any 120V and greater circuiting.](#)
5. If the EC is to provide conduit and wire where notes #3 appear on drawing EP.1-01, can you provide a location where these valves would be? Shannon Smith
[Low voltage control wiring to be provided and installed by the HVAC contractor. Valves are directly adjacent to the unit shown.](#)
6. Does the EC need to provide power to the Damper Actuators shown on EP.1-01 in rooms A136, A137, Corridor E, and Corridor B, or are these control wired by the HVAC, or the HVAC ATC contractor? Shannon Smith
[Damper actuators are new and only require low voltage control wiring to be provided and installed by the HVAC contractor.](#)

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7. There are no power connections shown to the EDH units in rooms A132, A130, A133, and A134 on drawing EP.1-01. Does the EC need to provide power to these or are these control wired by the HVAC, or the HVAC ATC contractor? Shannon Smith
EDH units are existing to remain and only require low voltage control wiring to be provided and installed by the HVAC contractor.
8. Notes 1 and 2 on both drawings A-1.01 and A-1.02 mentions temporarily supporting lights and ceiling devices. Is the work to support lighting and ceiling devices done by the GC or by the EC.?
General contractor is responsible for removing and replacing ceilings, as well as temporarily supporting lighting and ancillary devices.
9. Note #2 on drawing EP.1-02, show a requirement for power to Trane Lev Kit. Should the power for these Lev Kits be connected to the nearest UV, or should these be run on separate a separate new circuit to a local panel?
UV-3 shall be tied to 20A, 208V-1PH CIRCUIT "D2(R)-15,17" used for UV's in 2nd floor Corridor "D". UV-4 shall be tied to 20A, 208V-1PH CIRCUIT "C2(R)-7,9" used for UV's in 2nd floor Corridor "C".
10. Note #1 on drawing EP.1-02, show conduit and wire to HUH units control valve by Trane. There is also a circuit NEL-29 shown to all but one of these. Do all of these need power supplied by the EC?
We believe this should reference drawing EP.1-02. HUH units are existing to remain and only require low voltage control wiring to be provided and installed by the HVAC contractor.
11. Does the EC need to provide a power disconnect switch or a thermal switch for the HUH units shown on drawing EP.1-07?
HUH units are existing to remain and only require low voltage control wiring to be provided and installed by the HVAC contractor.
12. There is a combination starter shown on drawing EP.107 for Supply fan SF-1. Is this combo Stater provided by the HVAC, or Trane, or the EC?
Electrical contractor to provide.
13. Can you tell us when the Boiler/Mech Room (mechanical) drawings will come out for the High School.
A date has not been determined.
14. Circuits HE-19, HE-20, HE-21 and HE-22, on drawing EP.1-08 show wire for these circuits as 3-#8's. The panel schedule HE for these circuits require 3-#6's on a 50/3 breaker. Should these 2 breakers be changed to 40/3, or should the wire be changed to #6's?
Circuits HE-19 & HE-21 shall be 3#6 & 1#10 - 1" C with a 45A breaker. Circuits HE-20 & HE-22 shall be 3#6 & 1#10 - 1" C with a 50A breaker.

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15. Can you provide Drawing M.4-02 ?

The reference to Sheet M.4-02 is an error. The information can be found on sheet M.4-01, which is labeled "Mechanical Details."

16. Please clarify what equipment will be provided by the owner and what equipment is already on site versus what the contractors are required to procure for both the Elementary School and the High School.

All of the HVAC equipment shown on the Shamenek Engineering drawings has been pre-purchased. This includes all the rooftop units as well as the VRF system in the elementary school administration area. The VRF system includes the outdoor condensing unit labeled VRF-1, nine indoor units, a branch controller BC-1, and a ventilation unit ERV-1. All of the roof curbs for the rooftop units have also been pre-purchased except for the curbs associated with RTU-14 and RTU-15. The equipment shown on the Spotts, Stevens & McCoy drawings will be purchased by the HVAC contractor.

17. There was some discussion at the pre-bid meeting about how to remove the AHU units in the auditorium area. It was suggested that HVAC contractor may need to remove the drywall ceiling below the units to remove them. Which contractor would carry the cost of removing and replacing the lights, and other electrical devices in this ceiling below the units?

General contractor is responsible for removing and replacing ceilings. In rigid ceilings, Electrical Contractor shall disconnect and safe-off circuits and remove, store, clean, and replace existing lights and other electrical devices removed as a result of the AHU replacement.

18. There does not seem to be any ceiling replacement in the High school building, other than in the Library, by the GC as there is in the elementary school. Which contractor shall remove and replace ceilings in the work areas?

General contractor is responsible for removing and replacing ceilings.

19. There does not seem to be any ceiling replacement in the High school building, other than in the Library, by the GC as there is in the elementary school. Which contractor shall remove and replace light fixtures, fire alarm devices, speakers, security, or lighting motion detectors, wireless access devices in the affected work areas

General contractor is responsible for removing and replacing ceilings, as well as temporarily supporting lighting and ancillary devices.

20. What are the approximate gallons of glycol in the existing HVAC system at the Elementary school and High School?

SSM has not performed a system volume calculation for the existing system at the High School or Elementary School. Existing drawings indicate that the system is a 15% glycol solution for both schools. Contractor shall measure existing chemical/glycol levels and verify type of

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chemicals with facility staff. At the elementary school the final design will require the system to be drained, flushed, and refilled with water.

21. Has the duration for acquisition of Equipment been taken into consideration for schedule for this project?
Please refer to Addendum No. 1.
22. Can pro-press and / or Mega-Press and Mega-Press "G" be utilized on this project to make it more cost-effective?
Contractor should base their bids on the design documents and follow the substitution process outlined in the specifications.
23. Can mechanically grooved products be utilized on this project to make it more cost-effective?
Contractor should base their bids on the design documents and follow the substitution process outlined in the specifications.
24. Please provide manufacture roofing warranty information and contact for installation contractor who initially installed the roof.
The installing contractor contact for the High School and Elementary school is Scott Liebl at Richard L. Sensenig Company 717-733-0364. The contractor holds the roof warranty and any roof work shall be coordinated with this contract to maintain roof warranty.
25. Is Zoom-Lok or equal product an excepts or fitting product to be utilized on the refrigeration piping?
Contractor should base their bids on the design documents and follow the substitution process outlined in the specifications.
26. Can the demolition of the mechanical rooms begin prior to the school summer break?
Contractor will need to coordinate with the school district for scheduling of work when school is occupied.
27. Who is responsible for the protection of the gym floors?
The general contractor is responsible for protection of the floors.
28. At the High School, there does not seem to be a defined scope of ceiling removal work other than in the library area. Who is responsible for seeing removal and reinstallation in areas requiring so for the installation of the new HVAC equipment or the demolition of existing HVAC Equipment?
General contractor is responsible for removing and replacing ceilings please refer to Addendum 1.

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29. Will the owner permit the HVAC contractor to work on installation of the new gas piping during normal school hours prior to school being dismissed for summer break?
No.
30. Will there be a High School Mechanical room plan provided?
No.
31. Who performs the start-up on pre-purchased equipment?
Contractor shall engage a factory authorized service representative to perform startup service. See specification sections 237416.11 and 237416.13.
32. The Scale on drawing EP.D-02-HS is noted 1/8"=1', making the distance across the library 75 feet. The Scale on drawing EP.1-01-HS is noted 1/8"=1', making the distance across the library 37 feet. The Scale on drawing El.1-01-HS is noted 1/4"=1', making the distance across the library 75 feet. Can you please provide the correct and usable scales for the Electrical drawings?
The Scale on drawing EP.D-02-HS noted as 1/8"=1' is correct. The Scale on drawing EP.1-01-HS roof plan is incorrect and shall be noted as 1/16"=1'. In addition, the scale on drawing EP.1-02-HS roof plan is incorrect and shall be noted as 1/16"=1'. The Scale on drawing EL.1-01-HS noted as 1/4"=1' is correct. Library is approx. 75' wide.
33. Does the mechanical contractor own the concrete pads?
Per the multiple contract summary, each contractor is responsible to provide equipment pads/trenching/backfill/restoration, etc. for work associated with their contract. Refer to the "S" series drawings for the equipment pad specifications.

END OF ADDENDUM 1 QUESTIONS AND RESPONSES

ADDENDUM 2 QUESTIONS AND RESPONSES

34. On the partial plan for the Aux Gym and Weight room, on drawing EP.1-01-HS, it show feeding the new panel NHP-2 from an existing junction box in corridor B100A. On drawing EP.4-01-HS, it shows a new breaker in panel NDP1 that will be needed to feed the new panel NHP-2. On drawing EP.5-01-HS, It shows a need breaker and feeder from panel NHP1. Which existing panel shall we obtain power from, and can you explain how the existing 30 X 30 junction box is involved?
E.5-01-HS shall be modified to show the new panel NHP2 served from existing panel NDP1. The 30"x30" junction box was installed under a previous phase of electrical upgrades and was sized to accommodate the proposed 2.5"C under this scope of work and is intended to serve as a junction box pull point. New work would include a new circuit breaker in NDP1, as well as new conduit and wire from panel NDP1 to the new panel NHP2 via the existing 30"x30" junction box. EC may choose an alternate route and bypass the 30"x30" junction box, but shall be

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approved by SVSD and coordinated above the ceiling for clearance and avoid interference with other systems.

35. Section 011200, Part 1.2, B, Item 1 indicates the GC shall perform all work not specifically designated as the work of the EC or HVAC contractor. Please explain how we are to quantify this? Otherwise, please remove the verbiage. Alternatively, consider developing an allowance for all bidders to include and to also provide fairness in bidding.

The work for the General Contractor (and the other contracts) is clearly identified on the Drawings and in the multi-contract summary.

36. Is the MC toothing in lintels where they are cutting for their duct?

The intention of the mechanical design was to use existing openings where existing ductwork penetrated walls that required lintels. If there is a location of a new penetration then a lintel would be required.

37. As of today March 10 I do not see any addendums posted on PENNBID-when will addendums be posted?

Addendum 1 was issued today, Tuesday, March 15, 2022.

38. Can you provide a more detail multiple contract summary?

The multi-contract summary and the drawings taken together provide sufficient detail in describing the scope of work.

39. Who is responsible for paying the building permit fee?

Responsibility for preparation of permit applications and payment of fees is clearly stated in the multi-contract summary.

40. Is the Owners water and electric service available for use at no charge? Spec 015000 states contractor shall pay for cost?

Yes

41. Please clarify the HVAC pipe joint make-ups that will be acceptable for this project, as they seem to differ between Shamenek and SSM. The Shamenek specs state that all 2" and below is to be brazed, and 2.5" and above to be grooved ends. The SSM specs state that 2" and below can be Pro-Press, and 2.5" and above is to be welded. Please clarify if all HVAC piping 2" and below can utilize Pro-Press, and all piping 2.5" and above can utilize grooved ends?

All piping 2" and below can utilize Pro-Press, and all piping 2.5" and above can utilize grooved ends.

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42. Has any of the refrigerant tubing been pre-purchased for the VRF system shown on the Shamenek Drawings? The Shamenek VRF details do not provide footages and sizing like the SSM drawings.

The VRF refrigerant piping has not been pre-purchased. Contractor shall verify all piping lengths based off of locations of equipment shown on the drawings for all VRF system installations.

43. Please confirm if temporary floor protection is required. If required, please also provided details and the extent to which it is required, as well as which prime will be responsible for it.

This question is addressed in Addendum No. 1.

44. Are there more plumbing or mechanical drawings for both builds that contain actual condensate sizes and locations?

There are no additional drawings, the design intent is for the contractor to connect the new HVAC units to the existing condensate lines.

45. The mech. Notes state refer to for condensate sizes and location, how ever this is not the case, we only have two plumbing drawings. Is there more?

There are no additional drawings, the design intent is for the contractor to connect the new HVAC units to the existing condensate lines.

46. Will the bid date be extended?

No.

47. With the current unprecedented volatility in everything from manpower to material pricing and availability, can the bid hold period be reduced to 30 days or less?

No.

48. With the current unprecedented volatility in everything from manpower to material pricing and availability, can the Liquidated Damages of \$250 per day (\$7,500 per month) be omitted or reduced to zero?

No.

49. Please confirm all roofing- cutting, patching, flashing etc is by the MC.

The HVAC contractor is responsible for the roof opening and associated work. The installing contractor for the High School and Elementary school is Scott Liebl at Richard L. Sensenig Company 717-733-0364. This contractor holds the roof warranty and any roof work shall be coordinated with this contractor to maintain roof warranty.

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50. Is the MC responsible for the block work and lintels for their work?

The intention of the mechanical design is to use existing openings where existing ductwork penetrated walls that required lintels. If there is a location of a new penetration then a lintel would be required and the HVAC contractor is responsible for that work as indicated by the notes under "Cutting and Patching" on Drawing No. M.0-01

51. Is the MC responsible for the louver infills?

If the question is regarding the work required on Drawing M.1-07, the work identified in Note No. 8 is the responsibility of the HVAC contractor. Removal and reinstallation of louvers as identified on the "A" and "S" series Drawings, as well as infill of walls, is the responsibility of the General Contractor.

52. Is casework modification by the MC?

Yes. The casework modification will be by the general contractor as identified on the notes found on the "A" series Drawings.

53. Are the sheet metal pipe enclosures by the MC?

No. The sheet metal pipe enclosures will be by the general contractor as identified on the notes found on the "A" series Drawings.

54. Is the louver from the boiler being removed and reset by the MC?

The louver will be removed and reset by the HVAC contractor. This work is identified on Drawing M.1-07.

55. Are all drawings that we have complete? Were still missing the condensate drawings.?

There are no additional drawings, the design intent is for the contractor to connect the new HVAC units to the existing condensate lines.

56. Add # 1 states that all equipment would be provided by MC on drawing M.5-3, can that be confirmed?

Yes the equipment on the SSM drawing M.5-03 is to be purchased by the mechanical contractor.

57. On drawing m002 there is additional equipment and schedules listed for RTU's and URF Systems. Can you confirm that is correct?

The HVAC equipment shown on Shamenek drawing M002 for the elementary school and high school has been pre-purchased by the Owner. This includes the rooftop units, makeup air units, and the VRF equipment.

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58. Can you please clarify that the Equipment listed on Drawing M002 is to be provided by the owner or the MC?

The HVAC equipment shown on Shamenek drawing M002 for the elementary school and high school has been pre-purchased by the owner. This includes the rooftop units, makeup air units, and the VRF equipment.

59. Will each prime be responsible for moving desks and dust protections for their work after the children are back in school?

The General Contractor will remain responsible for moving classroom furniture and dust protection for work occurring after school returns to session. Addendum 1 clarifies that each Contractor is responsible to maintain a clean work area and each is responsible to remove its own trash and debris, as well as perform its own cleaning of individual contract work spaces. The General Contractor shall be responsible for final cleaning of the rooms and return of furniture/equipment to proper locations as needed when work is complete.

END OF ADDENDUM 2 QUESTIONS AND RESPONSES