



Purchasing Department | Tel. 860.584.6195  
Fax 860.584.6171

**Invitation to Bid 2C23-070R**  
**Mechanical Improvements at Chippens Hill Middle School**  
**Addendum 04**  
**August 15, 2023**

**Please note the following:**

The due date for submission of bids is changed to

**Thursday August 24, 2023 at 2:00 pm**

**Drawings are revised, attached to this addendum, and made a part of the specifications as follows:**

MH201A - FIRST FLOOR PLAN AREA A HVAC DUCTWORK - NEW WORK

1. Updated RGD's.

MP301A - FIRST FLOOR PLAN AREA A HVAC PIPING - NEW WORK (ALTERNATE)  
through

MP303C - THIRD FLOOR & LOWER ROOF PLAN PLAN AREA C HVAC PIPING - NEW WORK (ALTERNATE)

(quantity of 9 Alternate Drawings)

1. Updated RGD's.

M601 - HVAC DETAILS

1. Added Piping Detail

**Please note the following questions and subsequent responses:**

- Q23. Can you provide more detail to the extent and specific areas on the plans to where the necessary ceilings are to come down and reinstalled for both acoustical & hard ceilings.
- A23. Contractor means and methods will delineate exact routing paths utilized from head end to equipment and between equipment. Reflected ceiling plans provide details of typical ceiling plans for areas within the building where above ceiling work is potentially to occur.

- Q24. Can you provide more details and specifics on what is to be painted? Piping, walls, ceilings, soffits etc.?
- A24. Piping, conduit, raceways, etc. above ceilings and within chases are not required to be painted. Painting shall be limited to new chase walls and those areas where gyp/soffits/access panels/etc require repair/patch/paint to return location to original condition prior to commencement of work.
- Q25. Can you provide more detail and specifics on the framing and sheet rocking work that is to be done for the ductwork chases?
- A25. See Architectural plans for chase requirements.
- Q26. Can you provide more detail and specifics on the concrete slabs that are to be cut for the ductwork chases? Thickness of the slab, sizes etc.
- A26. Based on available drawings within the districts drawing vault, no as-built conditions provide actual final thickness of slabs. Slab thickness is believed to be six inches, however, the contractor shall field verify, and provide required cut depth of actual construction.
- Q27. Is there any detail or specs on how the VAV reheat coils are to be piped? What trim, fittings, etc. are required?
- A27. See detail added to Addendum 04 Drawings.
- Q28. Please advise on the demo/install for the DOAS units for the kitchen and locker rooms, I don't see any ductwork or piping plans associated w/ these systems?
- A28. Existing units on roof for Kitchen and locker rooms to be disconnected and removed. See Demolition Drawings for additional requirements. New DOAS for Kitchen and locker rooms to be furnished and installed on roof and to be connected to existing ductwork serving these spaces. See new work drawings for additional requirements.
- Q29. I noticed on the phasing plans that the underground oil tank is to be removed with a new above grade tank being installed elsewhere; please provide further detail and direction on this.
- A29. Removal and replacement of the tank is not part of this project; it is shown on the phasing plans to advise the contractor of other onsite work. This information is provided for coordination purposes only, as the HVAC Upgrade project and the oil tank project may be constructed at the same time under separate projects, thus requiring coordination between contractors (if different).
- Q30. Are there any fire dampers required anywhere within the new ductwork that is to be installed? If so, where? I didn't notice any on the ductwork plans.
- A30. No fire dampers are required.

- Q31. Please provide details and schedule for all the RGDs associated w/ the Add Alternates for the ducted AHUs.
- A31. RGD details are provided on Drawing M602. RGDs schedule provided on Drawing M702. See Addendum 04 Drawings for addition of RGD tags on Alternate Drawings.
- Q32. Please provide details/layout of all the condensate piping associated w/ the Add Alternates for the ducted AHUs, branch boxes etc.
- A32. Provide cooling condensate drainage according to the mechanical code's, and equipment manufacturer's, installation requirements. Provide a trap at each equipment's connection to the condensate drain system. Provide a UL 508-listed water level detection device in the equipment's primary drain pan that will disable the equipment if condensate will overflow from the drain pan. Label concealed condensate piping as indicated in the mechanical code. Route the condensate piping to the closest central drain system connection point allowed by client regulations and mechanical code requirements.
- Q33. Is there any structural support required for the VRF heat pumps on the roof associated with the Add Alternates, or are they just to sit directly onto the equipment stands that are spec'd? If there is additional structural support required beneath these units, please provide additional details /direction.
- A33. Heat pumps are to sit directly on equipment stands that which are specified. No additional structural elements to be added to building.
- Q34. Please provide additional direction/scope on Add Alternate #4 for RTU-11. Is this unit existing and just to be replaced in kind? Or is this a new install that will require new ductwork, gas piping, electrical, controls, roofing, structural steel etc.?
- A35. RTU-11 is existing and to be replaced in kind with new unit within Alternate #4. YES, new gas piping, electrical, controls will be required. NO, new ductwork, roofing or structural steel will not be required. Refer to Drawing MD103C and MP303C for additional requirements.
- Q35. Is the current roof under warranty? If so, who is the roofing contractor and are we required to use them? What style/manufacturer roof is it?
- A35. The current roof was replaced in 2017 by Silktown Roofing, using Firestone 60 mil EPDM system. The City uses Offshore Construction for roof repairs, but there is no requirement to use this contractor for work under this contract. It shall be required to use a roofer licensed and approved by Firestone to perform repairs, inspections, and new work incorporating curbs and additional roofing material/sealant, maintaining roof warranty.

- Q36. I received an email/quote from Trane for the ATC/BMS work for this project. The salesman informed me that the engineer has accepted their eligibility to bid the controls portion for this project in addition to SNE as long as they can meet the specs. Is this correct?
- A36. The existing controls are SNE Exostruxure, and as such, the project anticipates deployment of Schneider Ecostruxure for all newly installed equipment, which will then be integrated into the existing Ecostruxure BMS Platform.
- Q37. See attachment of page S104B of the structural plans where I circled note no. 9 in reference to the possible additional joint reinforcement required afterwards. Since this is an unknown cost right now but is to be included in the bid can you please provide us an allowance to use?
- A37. See Detail 2, Drawing S001. Section shows reinforcement requirements for a single Joist. Contractors shall include within their bid, scope of work detailed, for a quantity of four (4) joists total. See Note 9, Drawing S104B. Contractor shall provide field measurements as noted. Contractors shall include within their bid all associated costs for floor protection, lift, time, material, etc. in order to obtain required field measurements.

All other terms and conditions remain unchanged.



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Attachments:	Revised dwgs	MH201A	M601
	MP301A	MP301B	MP301C
	MP302A	MP302B	MP302C
	MP303A	MP303B	MP303C
	(11 pages)		

RETURN THIS FORM IMMEDIATELY

City of Bristol, Connecticut  
Acknowledgment: Receipt of Bid Documents

Bid Number: 070R  
Title: Mechanical Improvements at  
Middle School  
Addendum 04

Please take a moment to acknowledge receipt of the attached documents. Your compliance with this request will help us to maintain proper follow-up procedures while ensuring that all recipients have the opportunity to submit proposals.

Date Addendum 04 was issued August 15, 2023  
Date Addendum 04 was received \_\_\_/\_\_\_/\_\_\_  
Do you plan to submit a proposal? Yes\_\_\_ No\_\_\_

Print or type the following information:

Company name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City or Town/Zip code: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Received by: \_\_\_\_\_

Note: Acknowledgments are required  
[purchasing@bristolct.gov](mailto:purchasing@bristolct.gov)