

Bridgeport Exempted Village School District

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BRIDGEPORT EXEMPTED VILLAGE SCHOOL DISTRICT

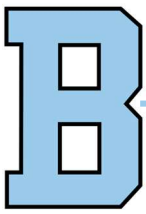
Chiller replacement & controls upgrade - Project Specifications

The Bridgeport Exempted Village School District is seeking proposals to provide a replacement chiller and an HVAC control system upgrade / monitoring service. The upgrades will provide the school district with a new reliable chiller and the peace of mind of a remote facility managed (live trained operators) HVAC monitoring service. All bid proposals shall be accompanied by a bid guarantee in the form of a bid bond for the full amount of the bid, or a certified check, cashier's check, or letter of credit for 10% of the bid. The requested upgrades include the following:

Major Mechanical Replacement:

Chiller replacement:

- Replace existing Trane chiller with a new Carrier model, with BACnet*/Modbus and LonWorks translator accessories.
 - New chiller shall be:
 - Carrier – 400 ton – (Model #30XV400)
 - Quantity - (1) chiller
 - The new Carrier chiller will be installed in place of the existing chiller located in the rear of the school.
 - New chiller shall be placed on (6" x 6" x 1") solid rubber pads spaced every (2) feet around the entire perimeter/base.
 - Chiller to be interfaced by installing contractor & controlled by the existing HVAC temperature control system.
 - Properly remove & dispose of the old refrigerant per EPA guidelines.
 - Properly remove & dispose of the old chiller per EPA guidelines.
 - Properly remove & re-use or dispose of existing glycol per EPA guidelines.
 - Perform all high & low voltage wiring revisions
 - Perform all supply & return piping revisions per ASHRAE specifications.
 - Provide and install new piping insulation and covering where disturbed. Insulation type and thickness as well as pipe covering will be "like-kind" with existing.
 - Provide necessary glycol solution to properly adjust chiller loop to a 0-degree F blend
 - Provide and install (2) new properly sized NEMA3 disconnects which shall be located on the building or adjacent brick wall.



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- Chiller includes following options/accessories:
 - Isolation valves
 - Suction line insulation
 - Control transformer
 - Flooded evaporator, 2-pass for brine application with heater
 - Low sound package
 - High Efficiency GreenSpeed intelligence variable speed condenser fans
 - Dual point power supply
 - Full Carrier factory hail guard kit
 - Display heater for control panel
 - Low ambient head pressure control
 - 1-year parts & labor warranty. 2nd through 5th year compressor (part only) warranty
 - Carrier Factory start-up

Temperature Control System Improvements:

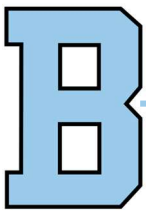
Temperature Controls system upgrade:

- Provide an off-site HVAC service that will continually monitor operation of the schools HVAC equipment 24 hours a day, 7-days a week & 365 days per year. This service will include but not be limited to notifying the schools facilities team of equipment breakdowns, high & low temperature swings, diagnosing and analyzing issues, remotely addressing the alarm & identifying the root cause of the alarm. The **3RD PARTY** remote monitoring service shall be staffed 24/7/365 by live, qualified technically, operations personnel. *This monitoring system is expected to work in conjunction within the schools current control system's abilities. Please include a (2) year service within your proposal.

Project Requirements:

Required tasks for project:

- Include all details from this Project Specification with all bids.
- Contractor will provide one year labor warranty on all work under this agreement.
- Contractor will haul away old & unused materials during this project.
- All identified electrical conversion/upgrade costs to be included in this project.
- Provide school district with all necessary state & local permits



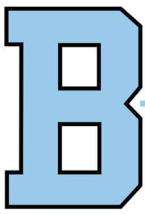
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- Provide the school with a complete timeline of the project from purchase order to completion. *Due to on-going supply chain issues, it is understood that a delay in the manufacturers delivery of the new chiller will be understood and not held against the installing contractor. Proof of delay would be required.
- Provide a detailed proposal outlining the removal & replacement of the chiller, the options included with the chiller, details of the HVAC equipment monitoring service including monitoring service name and details about their services and all warranty stipulations for the entire project.
- Provide digital copies of equipment submittal data, owner & operating manuals at completion of project.
- This project will follow all Davis & Bacon prevailing wage requirements.

Contractor Minimum Qualifications and Instructions:

- Contractor must have been in business for at least (10) continuous years to ensure stability.
- Interested Contractors must complete the following to qualify for this project:
 - Contractor must complete a site visit, reviewing the proposed project with maintenance staff.
 - Contractor must follow all provisions from this specification packet in their proposal.
 - Contractor must be properly licensed and insured. A current Ohio contractor's license and certificate of insurance **must be included** with all bids. *"Minimum insurance requirements are \$2,000,000 each occurrence general liability and \$10,000,000 each occurrence umbrella"*.
 - Contractor **must include with all bids**, a document naming at least (4) of their qualified HVAC service technicians who are located within 40 miles of the chiller replacement to ensure quick response time.
 - Contractor must offer 365/7/24 service by qualified service technicians.
 - Contractor must participate in an established drug & alcohol program and **must include documentation of program with all bids**.
 - All on-site workers will provide Bridgeport Exempted Village School District with **OSHA 10** training certificates PRIOR to beginning the project. *Certificates MUST be valid within the last (5) years.*
 - Contractor's on-site workers must have a certificate of completion for National, Federal & County back round screening. Certificates for all on-site workers must be submitted prior to beginning any on-site work.
 - Contractor **must include with their bid**, documentation of at least (3) previous projects where they have completed a project with a similar scope of this size or larger, in which you finished all the work on schedule and the operation of the school were not disturbed.
 - A mandatory site-visit is required
 - Please contact Mr. Brent Ripley to schedule a site-visit for this project. The last day & time for site visits is September 28th at 1 P.M. The last day & time for project questions is September 29th at 3 P.M.



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- Proposals must be received at the Bridgeport Exempted Village School District office no later than October at 6th P.M. Public bid opening will take place on October 9th at 9 A.M. at the Bridgeport District Office located at 55781 National Road, Bridgeport, Ohio 43912. Contractors do not need to be present for the bid opening. Each proposal shall be enclosed in a sealed envelope addressed to:

Bridgeport Board of Education
"CHILLER & CONTROLS UPGRADE BID"
55781 National Road
Bridgeport, Ohio 43912

- **Note: Failure to submit the information requested above will disqualify your proposal.**

PROPOSAL:

Contractor: _____

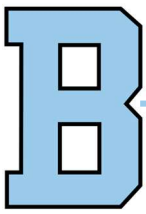
Submitted by – (Print Name): _____

Submitted by – (Signature): _____

Date proposal submitted: _____

Contractors Proposed Price for Project as detailed: _____

Note: Bridgeport Exempted Village School District Board of Education will approve the bid from the lowest responsible bidder in accordance with Ohio Law and School Board policy. Notwithstanding the foregoing, the Board reserves the right to reject any or all bids and to waive any informalities or irregularities in any bid received.



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