Bid Specifications For Work Related to North Clay Middle School Boilers

For CLAY COMMUNITY SCHOOLS

Prepared by:

John Szabo

Clay Community Schools 1013 South Forest Ave Brazil, IN 47834 (812) 443-4461 ext. 1817

CLAY COMMUNITY SCHOOLS North Clay Middle School Boilers Instruction to Bidders

Notice is hereby given that the Board of School Trustees of Clay Community Schools, Clay and Parke Counties, Indiana will receive sealed bids for the attached scope of work related to the replacement of boiler at North Clay Middle School.

Sealed bids will be received by Clay Community Schools; Brazil, Indiana at the time and place mentioned in the published legal Notice to Bidders, at which time and place all bids will be opened and publicly read aloud.

All bids must be submitted in a sealed envelope with a statement on the outside of the envelope reading "Sealed Bid: North Clay Middle School Boilers." All bids received after the designated time will be returned unopened. The bids must be submitted on or before 09:30 a.m. on September 6, 2023 to Mr. John Szabo, Clay Community Schools, 1013 South Forest Ave Brazil, Indiana 47834. The Board of School Trustees will award contracts for the products on September 14, 2023.

Each bidder shall furnish the following with his bid:

- 1. Non-Collusion affidavit must be executed.
- 2. Place bid prices on the appropriate specification form.
- 3. A cover letter with a brief statement on the history of the firm
- 4. Reference of at least two (2) other school corporations in Indiana using services and/or equipment provided by the bidder.

Any bidder may withdraw his bid at any time prior to the scheduled time for receipt and opening of bids. No bids shall be withdrawn after the opening of bids without the consent of the owner.

Acceptance of any bid will be based on the assumption that the bidder fully understands the specifications and conditions, and accepts them without reservation.

Should any person submitting a bid have a question as to the true meaning of specifications; he may request interpretation from the owner. Questions should be directed to Aron Hammond, Director of Extended Services. Failure to request clarification shall be the sole responsibility of the bidder.

The Board of School Trustees reserves the right to reject any and all bids and waive any informalities. Any such decision shall be considered final and not subject to further recourse.

EQUIPMENT SPECIFICATIONS

- Aerco Benchmark 2000s Boilers (2) Required
 - o BTU Rating: 2,000,000 Input
 - o Gas Valves: J48 Gas Pressure Regulators
 - Condensate Neutralizers
 - o Protonode Gateway
- B&G Inline Pump (Primary) (2) Required
 - o Series E-80

• Voltage: 208-230/460-volt 3-phase

GPM Rating: 170

TDH:15HP:1.5

SCOPE OF WORK

- Provide labor and materials to remove existing boiler #1 and dispose of debris.
 - Includes disconnecting power, controls and associated mechanical piping as required to remove boiler from the building and dispose as required.
 - Equipment required for removal of the boiler to be included by mechanical contractor.
 - Demo existing concrete equipment support rails as required to prep for new concrete housekeeping pad.
 - Cap existing boiler flue pipe at chimney with sheet metal cap as required. Demo back to existing flue as near as possible for clean installation of new boiler arrangement.
- Provide labor and materials to pour new concrete pad to adequately support (3) Aerco boilers in which the 3rd boiler will be installed at a later time.
 - o Housekeeping pad to be 10'-6" x 48" x 4"
 - o Housekeeping pad to be 4" thick with wire mesh reinforcement.
- Provide roof mounted fresh air hood Greenheck model FGI-24x24 rated at 2000 cfm allow combustion air to be pulled from (1) roof penetration for all three boilers.
 - o Modify existing roof penetration to accommodate new fresh air hood dimensions.
 - 28" x 28" Roof flashings to be completed by Pells Roofing Inc.
 - o Insulate with 1" fiberglass duct wrap externally to ensure condensation does not form on combustion air duct.
- Provide & install (3) 16" x 16" curbs to accommodate 8" flue pipes independently routed through roof per new boiler arrangement.
 - o Roof flashings to be installed by Pells Roofing Inc.
 - o 3rd Roof curb to accommodate phase II boiler flue installation.
- Create new supply and return HW pipe loop for primary/secondary pipe arrangement.
 - Existing 6" supply and return primary mains to be extended to create new secondary loop to support (3) new boilers.
 - Grooved and flanged type pipe connections to be used for installation.
 - Schedule 40 Grooved pipe to be used for installation.

- Provide 4" primary connections with butterfly valve at secondary pipe connections on both supply and returns for both phase I boiler installations.
 - Tee for phase II 3rd boiler to be provided and installed and terminated with new butterfly valve and blind grooved cap within phase I scope of work.
- Support inline primary pump supports as required to properly secure pump from twisting, shaking etc. while in operation.
- o Install manufacturer provided relief valves at each boiler as required.
- o Install (4) additional thermal wells, (2) for pressure gauges and (2) for mechanical thermometers.
 - Install (1) new thermometer and (1) pressure gauge per boiler.
- o Install (1) thermal well for header temperature sensor provided by Trane.
- Upon completion of piping utilities, flood primary and secondary side of loop and leak check as required.
- o Provide 2" fiberglass insulation on all newly installed piping and were existing insulation has been damaged during installation.
- Retrofit existing high pressure 3" gas line to accommodate (3) new 2mbh boilers.
 - Retrofit to include header with (3) new gas rated ball valves to allow connection from newly fabricated gas header to (3) new boilers.
 - Gas pressure is understood to be 2-psi, contractor to confirm exact pressure at time of installation.
 - o Provide and install new regulators for each to be installed.
 - Phase I includes (2) gas regulators.
- Provide 20" spiral duct for combustion to be served to (3) new boilers with the 3rd being completed during phase II scope of work.
 - New combustion air duct will be routed to new 24" x 24" fresh air duct drop from newly installed roof mounted fresh air drop.
 - Include in combustion air duct main connections for (3) 8" combustion air ducts to be connected.
 - All combustion air duct to be wrapped with 1" fiberglass insulation upon completion.
- Provide 8" flue routed to independently installed 16" x 16" roof curbs to finish no less than 12" above roof membrane.
 - Square to round or storm collar flashing from curb to OD size of flue materials to be installed and caulked weathertight.
 - o Flue material can be installed with AL 29 4 C type flue piping or equivalent to handle no less than 200 degree's exhaust temperatures.
- Disconnect 460-volt power supply from boiler in preparation for removal of Boiler #1.
 - o Existing circuit to be re-used for power to (3) primary pumps to be installed.
- Route existing 30-amp 460-volt power feed to (2) new 1.5-hp primary pump starters with overcurrent protection and hand off auto switch.
 - o Such as model: Schneider Electric Class 8538 Fused Combination Starter
- Route (3) new 20-amp 120-volt 1-phase circuits from BR panel to (3) boilers.
 - o 3rd Boiler to be installed in Phase II scope of work. Additional circuit to be included within phase I and capped in associated j-box.

- o GE Panel AF37SN 120-208-volt 3-phase panel.
- Temperature control retrofit to be provided by Trane temperature controls division and to included within mechanical scope of work for a turnkey installation.

DELIVERY:

All equipment shall be delivered in accordance with owner's directions at the time the purchase order is issued. Payment will be made after successful delivery and testing of <u>all</u> equipment.

Successful bidder shall include as part of the bid the cost of freight and transportation of said items of equipment. Freight prices shall include all costs of unloading the trucks and the placement of all boxes, crates, packages and parcels within the building.

The seller shall assume all responsibility on all items damaged in shipment. The owner shall not assume any obligations concerning damaged equipment.

EQUIPMENT SAFETY STANDARDS:

All items bid, where applicable must meet Federal (IOSHA) and State safety standards and specifications.

WARRANTY/MAINTENANCE

Successful bidder shall provide a minimum warranty for all equipment as stated on the bid specifications form and shall be responsible to repair or replace all broken or unusable pieces of equipment.

SELECTION FACTORS:

All items bid will be reviewed and compared for quality, conformity to specifications, and price. Factors that will be given consideration by the owner in making this award are listed below:

- 1. Compliance with bid specifications.
- 2. Costs in relation to benefits and value to Clay Community Schools
- 3. Schedule of equipment delivery and completion of scope of work
- 4. Bidder qualifications and experience in related work and installations.

SUBMIT BIDS TO:

Mr. John Szabo Clay Community Schools 1013 South Forest Ave Brazil, IN 47834

QUESTIONS REGARDING EQUIPMENT AND SCOPE OF WORK SHOULD BE DIRECTED TO:

Mr. Aron Hammond Clay Community Schools 1013 South Forest Ave Brazil, IN 47834 812-443-4461, ext. 1821 hammondaro@clay.k12.in.us

ESTIMATE THE TIME REQUIRED FOR DELIVERY AND EQUIPMENT AND COMPLETION OF SCOPE OF WORK

NON-COLLUSION AFFIDAVIT

STATE C	F INDIANA)		
	COUNTY)		
other mer represente relative to nor to ind	mber, representative ed by him, entered in the price to be offe	, or agent of the firm nto any combination ared by any person in	orn on oath, says that he has rem, company, corporation or pan, collusion or agreement with nor to prevent any person from offer and that this offer is made	artnership n any person n making an offer
			Offeror (Firm)	
_			Signature of Offeror or A	gent
Sı	abscribed and sworn	to before me this _	day of	, 2023.
My Com	mission Expired:		Notary Public	
County of	f Residence			

LEGAL NOTICE

Notice is hereby given that the Board of School Trustees of Clay Community Schools, Clay and Parke Counties, Indiana will receive sealed bids at the Office of Superintendent of Schools, Administration Building, 1013 South Forest Ave, Brazil, IN 47834, not later than 09:30 a.m. prevailing local time, on September 6, 2023.

REPLACEMENT OF BOILER AT NORTH CLAY MIDDLE SCHOOL

Bids received after the designated time will be returned to the sender. The Board of School Trustees will award contracts for the products on September 14, 2023.

Bids shall be submitted in sealed envelopes bearing the title of the bid and shall clearly show the name of the bidder. Non-Collusion affidavit must be executed.

Detailed specifications and scope of work may be obtained from the Director of Extended Services, Aron Hammond, 1013 South Forest Ave, Brazil, IN 47834, or on the Clay Community Schools website.

Mailing address for the bids is Mr. John Szabo, Clay Community Schools, 1013 South Forest Ave, Brazil, IN 47834

The Board of School Trustees of Clay Community Schools reserves the right to reject any, all, or part of any or all bids.

Complete specifications can be found on the Clay Community Schools website through the following link: https://in02200674.schoolwires.net/CCS