

Scope of Work

Demolition and installation of two steam boiler at the Civic Center

The City of Canton Building Maintenance Department is seeking bids for the demolition and removal of two steam boilers and a condensate feedwater system. As well as, the furnishing and installation of two new 100 horsepower or greater steam boilers and a condensate feedwater system.

The work required includes providing and installing all components, materials, and labor needed to demolish two existing boilers and install two new boilers. This work will also entail reconnecting all steam and gas piping as well as reconnecting all electrical wires and controls. The contractor will also be responsible for all rigging, startup and verification of proper operation of equipment and clean-up of all affected areas. All work must be in compliance with all local, state and federal codes and requirements. The replacement boilers and installation must meet current Environmental Protection Agency ("EPA") requirements for Federal Emission Regulation and comply with all applicable codes (local, state, federal), industry standards, laws, and regulations. Any related electrical work involved in the installation should adhere to all applicable National Electrical Codes ("NEC") and all applicable National Fire Protection Association ("NFPA") codes. Equipment shall be installed according to manufacturer's instructions. The Contractor shall repair any damage to the City's property caused by the demolition of the old boilers or the installation of the new boilers. The Contractor shall make all connections to the building's electrical panel boxes as needed. The Contractor shall secure all required permits and inspections.

The replacement boilers must be installed and configured with any and all necessary controls and plumbing in order to integrate with the existing temperature control system. The Contractor will be responsible to disconnect and lock out natural gas and electrical components, drain system if necessary, or isolate water system, disconnect hot water piping, drains and stack connections, removal of any connections not required by the new boilers, remove and proper disposal of current boilers, position new boiler(s) in footprint of old boilers and level as necessary, install any new valves as needed, reconnect water piping, drains and stack connections, insulate piping as needed, reconnect natural gas and electrical connections (including any pumps), provide and install new emergency stop switch next to door, connect new boiler(s) to existing controls, fill system as necessary, start system and confirm functionality, calibrate and/or program any necessary components, test all safety devices and train City employees on the operation of the new boilers.

The boilers that are being demolished and replaced are Kewanee boilers model number M265GOHIO and serial numbers 251618, 251619. The condensate tank that is being replaced is a Kewanee feedwater system model number K-100-10-Q-650-CR4-20/1U-5 and order number 890184.

Brand Name or Approved Equal

A brand name is used to identify the minimum characteristics and level of quality that will satisfy the City’s requirements. Proposed “or equal” units must be of the same quality and comply with the manufacturer’s requirements and specifications, physical functional and or performance standards. The Proposer shall state the proposed manufacturers name and part number and provide sufficient documentation for the City to determine if the unit constitutes “equal.” The City shall determine if a unit is constitutes as “equal” based on the totality of the circumstances, including factors not necessarily listed herein. Acceptable brands are Columbia, Cleaver Brooks and Lockinvar.

The City reserves the right to consider completion date as one of the criteria when determining the lowest and best bid and any subsequent award.

Labor \$ _____

Material \$ _____

Total \$ _____

Earliest completion date of system _____

Brand Name of new boilers _____

Company Name _____

Authorized Signature _____