

**COUNTY OF TUSCOLA**

**DEPARTMENT OF BUILDINGS & GROUNDS**

125 W. Lincoln St  
Caro, Michigan 48723  
(989)672-3756

**MICHAEL MILLER**  
Director

**THOMAS McLANE**  
Assistant Director

**TO: INTERESTED CONTRACTORS**

**FROM: MIKE MILLER DIRECTOR OF BUILDINGS & GROUNDS**

**DATE: May 2, 2022**

**RE: ROOFTOP HVAC REPLACEMENT**

Tuscola County will be accepting bids on the replacement of the following rooftop HVAC equipment: At the Tuscola County Annex Building. Located at:  
207 E Grant ST  
Caro, MI 48723

The following specifications shall be considered in your bid:

**Tuscola County Annex:**

Replace 3 Lennox air conditioning units with **Johnson Controls package units Model #ZY606E2C1AA1C121A3 with Economizer.** Or an equivalent model.

This unit will require a curb adapter and convenience plug.

**Bonding and Insurance Requirements**

Bonding not required

Proof of insurance, including workmen's compensation is required prior to starting work

**Scope of Work**

- Contractor will remove the existing unit and provide and install new roof top unit, including but not limited to, any required wiring, roof work or repair, curbs, duct, piping, and controls for a complete and operational system.
- Controls provided will be compatible with the existing Control system without additional equipment or programming costs
- Contractor is responsible to provide and install any special mounting hardware for equipment as well as all installation materials (conduit, tubing, railways, junction boxes, fittings, piping, duct, etc.) for a complete project.
- All field devices and equipment will be mounted as per manufacturer recommendation.
- Contractor is responsible for equipment startup
- Contractor is responsible for on-site installation supervision throughout the duration of the project.
- Contractor is responsible for patching all building penetrations performed by the contractor during installation.
- New programmable thermostats for each unit.
- Each unit removal and replacement will occur within the same day.
- Contractor shall provide O & M manuals for all contractor provided equipment.
- This contractor is responsible for all generated trash.
- Contractor shall clean all work areas on a daily basis and equipment after project completion.
- Contractor is responsible for all required permits.
- Installation done as required by Federal, State, local codes and laws.

- Any and all correspondence concerning this project shall be directed to Mike Miller.

## **Equipment**

- Acceptable equipment – Model specified above or equivalent.
- 5 ton Cooling
- 15.20 Seer/12.00 Seer
- 208/230-3-60
- Bottom Discharge and return
- Barometric Relief
- Microchannel Condenser coil
- Smart Equipment Control Board
- The equipment shall be shipped completely factory assembled, precharged, piped and wired internally ready for field connections.
- The manufacturer shall test operate system at the factory before shipment.
- All electrical components shall have UL and CSA Listing. All wiring shall be in compliance with NEC and CEC.
- Shall be certified by CSA International (formerly AGA/CGA) and ratings are certified by GAMA.
- Shall be rated and certified in accordance with the USE certification program, which is based on ARI Standard 210/240-94.

## **Equipment Warranty**

- Heat exchangers shall have a limited warranty for a full ten years.
- Compressors Shall Have a limited warranty for a full five years.
- All other covered components shall have a limited warranty for one year.

## **Heating System**

- Tubular heat exchanger and inshot type gas burners shall be constructed of aluminized steel.
- Controls shall consist of direct spark ignition, electronic flame sensor controls, flame rollout switch, limit control, automatic redundant gas valve and blower prove switch on combustion air inducer.

## **Refrigeration System**

- The coils shall be non-ferrous construction with aluminum fins mechanically bonded to durable copper tubes.
- Coils shall be pressure leak tested.
- Outdoor coil shall be formed coil construction. Optional coil guards shall be available.
- Compressors shall be resiliently mounted and have overload protection.
- The refrigeration system shall have discharge, suction and liquid line service gauge ports, freeze stat, high-pressure switch, liquid line strainer, expansion valve and full refrigerant charge.
- Control options available shall consist of low ambient controls, timed-off control and thermostat.

## **Miscellaneous**

- Cabinet shall be galvanized steel with a powdered enamel paint finish electro statically bonded to the metal.
- Cabinet panels where conditioned air is handled shall be fully insulated to prevent sweating and minimize sound.
- Openings shall be provided for power connection entry.
- Lifting brackets shall be factory installed.
- Economizer and economizer wiring harness shall be furnished and factory installed.
- All components, wiring and inspection areas shall be completely accessible through removable panels.
- Centrifugal supply air blower shall be direct driven by a multi-speed motor.
- Blower shall be statically and dynamically balanced.
- Direct drive propeller type condenser fans shall discharge vertically.
- Fan motor shall be permanently lubricated and inherently protected.
- Fans shall have a safety guard.
- Filters shall 2 inch thick pleated filters shall be furnished.

Contractor is to view location and verify all measurements before bidding.

**Please call ahead to set up a time to view the project.**

All work is to be completed by qualified personal.

All bids must be submitted by 4:00pm on May 20, 2022 to Mike Miller 125 W. Lincoln St Caro, MI 48723. Only closed sealed bids labeled " HVAC PROJECT" on the envelope will be accepted.

Any questions please call Mike Miller at 989-672-3756, or see County website [www.tuscolacounty.org](http://www.tuscolacounty.org).

**Disclaimer**

Tuscola County reserves the right at its sole discretion to reject any and all proposals received without penalty and not to enter a contract as a result of this RFP. The County also reserves the right to negotiate separately with any source whatsoever in any manner necessary to attend to the best interests of the County, to waive irregularities in any proposal and to accept a proposal which best meets the needs of the County, irrespective of the bid price."

By submitting a bid, the bidder is acknowledging that there will be no contractual relationship between Tuscola County and the bidder until both parties have formally approved and signed a written contract to be developed by Tuscola County legal counsel.

The County reserves the right to make an award without further discussion of any proposal submitted. Therefore, the proposal should be submitted initially on the most favorable terms which the offer can propose. There will be no best and final offer procedure. The County does reserve the right to contact an offer for clarification of its proposal."