

Request for Proposal

Town of Canton

Champion Credit Union Aquatics Center

Pool Electrical and Mechanical

Scope of Work

Purpose: In-kind replacement of mechanical and electrical equipment associated with the Champion Credit Union Aquatics Center Pump House damaged during Hurricane Helene.

Elements of repair shall include:

Pump House:

- A. Replace 450 SF of 8-inch-wide 8 IN wide cementitious siding exterior wood siding, color match existing paint scheme.
- B. Replace 1 each of exterior Ground Fault Interrupter (GFI) electrical outlets, 110 Volt, and weather protective housing.
- C. Replace 1 each of exterior alarm, red alarm flasher (RSH-24) in weather protective housing.
- D. Replace 1 exterior emergency lights in weather protective housing, 11 IN long x 8 IN wide x 4 IN.
- E. Replace 2 interior emergency lights.
- F. Replace 5 each of Ground Fault Interrupter (GFI) interior electrical outlets and weather protective housing, 110 Volt.
- G. Replace 2 each of Water-resistant light switches, 110 Volt.
- H. Replace 1 each of Copper Fin 2 Model # CPL 1262, 1,071,000 BTU/HR output Pool Heater.

- I. Replace 1 each of Marathon 101-gallon capacity hot water heater, 206V, 4.5kW.
- J. Replace 1 each of NEMA premium 20hp, 230/460volt, 48/24amp pool filter pump.
- K. Replace 1 each of Eaton Hi Max Series Active Energy Pool filter pump control. Control panel dimensions: 5 FT long x 14 IN wide x 9 IN thick.
- L. Replace 1 each of NEMA premium Model# FH72, 15hp, 50hz Slide Feature pump.
- M. Replace 1 each of Eaton 208v, 3 phase Slide Feature Pump Control panel.
- N. Replace 1 each of Penair WhisperFlo XF Model # XFK-12, 3hp Feature Pump.
- O. Replace 1 each of Eaton 208v, 3phase Feature Pump Control Panel. Control panel dimensions: 30 IN long x 14 IN wide x 7 IN thick.
- P. Replace 1 each of Warwick Controls Flow control valve for autofill of pool.
- Q. Replace 1 each of All Star Model # RBH3-2-1, 60Hz, 2hp backflow Air blower.
- R. Replace 1 each of Eaton 208v, 3 phase Air blower control panel.
- S. Replace 1 each of 1.25Hp, single phase, 115-230v chlorinator pump.
- 1. Replace 1 each of Eaton 44 breakers 400-amp Main Breaker panel. Control panel dimensions: 5 FT long x 2 FT wide. Breakers 19-20Amp, 2-3-pole 100A/330V, 3-3pole 120 A/330V, 4-2-pole 20A/220V. Provide phenolic labels.
- T. Replace 9 each of 48 IN interior fluorescent light fixtures with a single bulb.
- U. Replace approx. 150 LF of 12/3 Romex Wiring.
- V. Replace 1 each of Occupancy Sensor.
- W. Replace 3 each of Markel series 5500 Heavy Duty Ceiling Heater, 3300W, 400 CFM, 208V-1PH, 15.9A, with integral thermostat, NEMA 4X controls, auto reset thermal limit, 16 GA grill.

- X. Replace 1 each of Greenheck #GB-095-VG exhaust fan, 900 CFM, 1286/1725 RPM, 1/6 HP, 115V/1PH, continuous run, with disconnect, protective coating for corrosive chlorine, backdraft motorized damper with bird screen.
- Y. Replace 1 each of Greenheck #GB-095-VG exhaust fan, 900 CFM, 1286/1725 RPM, 1/6 HP, 115V/1PH, continuous run, with disconnect, protective coating for corrosive chlorine, backdraft motorized damper with bird screen.
- Z. Replace wall mounted 48 IN x 12 IN aluminum duct.
- AA. Replace 1 each of Greenheck #GB-085-VG exhaust fan, 150 CFM, 300/1282 RPM, 1/10 HP, 115V/1PH, continuous run, with disconnect, protective coating for corrosive chlorine, backdraft damper, with current switch and audible alarm wired to alarm on fan failure, alarm manual reset, vari-green speed control on motor, GPIP roof curb, bird screen.
- BB. Replace approximately 20 linear feet of 12 IN x 8 IN folded aluminum vent duct.
- CC. Replace approximately 8 linear feet of 12 IN x 12 IN folded aluminum vent duct.

Elevated Main Power Distribution Panel:

1. Replace 1 each of Eaton 12 breaker, 800A, 208Y/120V, 4 wire, 3 phase, Main Breaker panel on elevated platform. NEMA 3R Control panel dimensions: 96 IN high x 32 IN wide with locking cover. Minimum 8 IN deep wiring trough. **Breakers** 2-3-pole 225A, 1-3pole 175A, 1-3pole 125A, 1-3pole 400A, 1-3pole 800A, 1-3pole 60A. Provide phenolic labels.
2. Replace 1 each of Eaton 42 breaker, 225A, 208Y/120V, 4 wire, Main Breaker panel on elevated platform. NEMA 3R Control panel dimensions: 40 IN high x 20 IN wide with locking cover. Minimum 8 IN deep wiring trough. **Breakers** 26-1pole 20A, 1-2pole 40A, 2-2pole 30A, 4-2pole 20A, 1-2pole 15A. Provide phenolic labels
3. Replace 1 each of Vortex Surge Protector. Control panel dimensions: 9 IN high x 5 IN wide.

Security: Contractor is responsible for erecting temporary fencing and visual screening during construction to exclude public access to work area.

Schedule: Contractor shall be substantially complete with installation within 75 days of the award of contract. All punch list items will be addressed and the project completed within 90 days from award of contract.

The contractor is responsible for obtaining all required permits.

Directions

Submissions must be sent in the form of a bid with the envelope labeled “**Request for Proposal - Town of Canton Aquatics Center Flood Gate Installation**” to 85 Summer Street by 2:00 p.m. Eastern Time (EST) on **March 19, 2025**. Proposals must contain the signatures of company representatives who are authorized to execute documents on behalf of the firm.

Any questions regarding this request should be directed in writing to lstinnett@cantonnc.com or Town of Canton, NC at 85 Summer Street (P.O. Box 987) no later than Tuesday, **February 28, 2025**. All questions will be addressed by an Addendum posted to the Town’s website by noon on **March 3, 2025**.

Bid will be awarded to the lowest responsive bidder.

The Town of Canton accepts no responsibility for any expense related to preparation or delivery of proposals.