

1.0 PURPOSE

This request for proposal has been granted for the upgrade and replacement of the existing electrical panel located at Ingersoll St South and Thompson Road in Ingersoll.

2.0 SCOPE OF WORK

The winning proposal will provide all materials and labour necessary to design and install a new electrical panel at the Ingersoll St storm water management pond force main.

2.1 Proposal Detail

The scope of work is as follows:

- i. Design an appropriate electrical panel to accommodate two (2) 30hp submersible pumps and associated hardware
- ii. Remove and dispose of existing electrical panel
- iii. Prepare and install a new electrical panel capable of controlling existing pumps and float switches into an existing enclosed shed
- iv. Wire 3 Flygt ENM-10 or equivalent tear drop floats for each pump that will control water level automatically
- v. As an alternate, wire and connect an ultrasonic level sensors to monitor and control the pumps operations
- vi. Wire power supply to new submersible pumps
- vii. All inspections shall be arranged by the contractor
- viii. All permits required will be the responsibility of the contractor
- ix. Contractor is responsible for all ESA inspection fees
- x. Prove spec sheets for all equipment prior to start of job for approval
- xi. All trenching to be done by owner
- xii. Supply and install the following items:

- 100amp 600v underground service from pole to new 10 x 10 building
- 1/0 4 wire USEI90 c/w 4" DB2 Duct
- 100 amp 7 Jaw meter base
- SFC703PW or equal
- 100 amp weather proof disconnect before it
- CH363N4B or equal
- 100 amp 600 volt panel
- MH26MH Box & NC26S-NF Trim or equal



REQUEST FOR PROPOSAL (RFP) - Public Works

Replacement of the electrical panel for the storm water management pond pumping station

- Breakers for above panel
- 2 x 3p 30 amp breakers for contactors
- 1 x 2p 60amp for transformer
- 2 x 30 amp 3 pole 600v contractors c/w alternating relay C/W enclosure
- 2 x CA7-30-10-120 25HP 600V or equal
- 1 x DAL 71 D B23 2P or equal
- 1 x EE25S3534H-EE 25KVA transformer 1PH 600V to 120.240v 150C AL C2 or equal
- 100amp 240 volt 32 circuit regular use panel c/w breakers for:
- 1 x 1500 watt fan forced heater c/w built in stat
- 1 x 4' LED strip fixture c/w switch at door.
- 2 x 20 amp T-Slot convenience receptacles
- 2 feeder cables to 2 new pumps in pit. Cables to have twist lock cord caps install (provided by owner)
- Contractor to wire tear drop floats (supplied by owner) controls the running of pumps
- Pumps to be wired so they alternate after each use
- Pumps to be wired so that if one pump can't keep up the 2nd pump comes on

2.2 Work Schedule

- i. A key for entry into the storm water pond will be provided so that the installation of electrical panel and hardware shall be completed by the contractor without working within Public Works daily work hours.
- ii. It is expected that construction and installation of the electrical panel, pumps and floats shall be continuous once the winning contractor begins installation

2.3 Site Inspection

- i. Any site inspections shall be arranged prior to submitting the completed RFP by contacting Doug Wituik, Public Works Manager at (519) 485-2931 ext 6288 or email: dwituik@ingersoll.ca

3.0 SCHEDULE OF WORK

- 3.1 Proposed work should commence and be completed no more than 30 days after the acceptance of the proposal by the Town of Ingersoll.



REQUEST FOR PROPOSAL (RFP) - Public Works

Replacement of the electrical panel for the storm water management pond pumping station

4.0 PROPOSAL REQUIREMENTS

4.1 The proposal submitted shall include the following items: A detailed cost estimate for the items defined in the scope of work.

- i. Contractor must specify the dates that the electrical panel and hardware will be installed if granted the proposal.
- ii. All technical design drawing will be provided to the Town of Ingersoll prior acceptance and shall be retained

5.0 SUBMISSION DEADLINE DATE

Proposal clearly marked on the outside of the envelope with return address will be received by the undersigned up to and including:

Friday September 30, 2022, 11:00 A.M., local time

Doug Wituik, Public Works Manager
Public Works Department
130 Oxford Street
Town Centre, 2nd Floor
Ingersoll, Ontario
N5C 2V5

Proposals received after the time specified above will not be considered. The Manager of Public Works will review the proposals received and notify the winning bidder.