

TOWN OF MINTO
PUBLIC WORKS DEPARTMENT

**ADDENDUM 1: REQUEST FOR PROPOSAL
#2015-16**

HARRISTON WATER WORKS WELL #2 UPGRADE

OCTOBER 8, 2015

1.0 UPDATED DATES AND SCHEDULE

Proposal Submission:

The Town provides the following revised timetable to govern the RFP process (revised dates are presented in bold type font):

Table 1: Revised Timetable of RFP Process

Item	Date
Advertise RFP	SEPTEMBER 28, 2015
Mandatory Pre-Proposal Site Meeting	OCTOBER 5, 2015 (9:00 AM)
Final RFP Questions due from Proponents	OCTOBER 13, 2015 (12:00 PM)
Town of Minto Response to Questions	OCTOBER 14, 2015 (4:00 PM)
Proposal Submissions Due	OCTOBER 16, 2015 (2:00 PM)
Review Submissions	OCTOBER 16, 2015 (AFTER 2PM)
Interview with Short Listed Respondents (if necessary)	DATE TO BE DETERMINED
Contract Award	OCTOBER 20, 2015
Begin Work	OCTOBER 21, 2015
Duration of Study	DATES TO BE DETERMINED

2.0 UPDATED SCHEDULE "A": SCOPE OF WORK

The Harriston Water Works Well #2 upgrades will proceed in two distinct phases. The first phase will consist of an Engineering Assessment, and the second phase will consist of Construction. The results of Phase 1 will determine what actions need to be taken in Phase 2 to satisfy the requirements of the RFP. Specifically, measures must be taken to ensure that the future operation of Well #2 will provide the best quality of groundwater to the Town of Minto.

Phase 1: Engineering Assessment

The Proponent will conduct a detailed condition assessment of Well #2 at the Harriston Water Works, identifying all areas where improvement is necessary. Upon identifying all areas of need, the Proponent will address at a minimum the following items as part of their proposal:

- Information on the condition of Well #2, including a thorough explanation of the process followed when assessing the condition of the well. Outline the component(s) of the well that needs to be repaired or replaced; provide reasoning for which component(s) was selected.
- An assessment of the water quality of surrounding water producing zones around Well #2, including a thorough explanation of the process followed when assessing the water quality.

- An analysis of the effect of nearby aquifers on the water quality in Well #2, and determination of an optimum intake depth for the Well #2 pump.
 - Include an aquifer water capacity assessment, in addition to a flow rate assessment, as evidence that the well will draw water which is low in metals and meets Ontario Drinking Water Standards from the selected intake depth in future years.
 - Include an explanation of the procedure followed when determining the ideal intake depth for Well #2, including details of a stainless steel column pipe.
- Provide a summary of all techniques, standards and guidelines used when performing the analysis on Well #2 and surrounding water quality. Attach any standards or guidelines used throughout the study to the final technical proposal (Envelope #1).
 - Include details of any mathematical models and equipment used which influenced the Engineering Assessment results.
- If the Proponent intends to operate the existing pump in Well #2 during the Engineering Assessment, it is available from **October 21, 2015 until December 21, 2015**. After this time, the pump will no longer be accessible for any trials or testing.
- Calculate and summarize the costs associated with the Engineering Assessment of Well #2. A table has been provided below in Section 3.0 of Addendum 1.

Phase 2: Construction

The Proponent will conduct necessary construction and installation measures as determined necessary and most beneficial by the previously conducted Engineering Assessment. The Proponent will develop a budget (a budgeting table has been provided in Section 3.0 of Addendum 1) according to the following action items:

- Remove the existing well pump.
- Scrub the well casing.
- With the approval of Minto Staff the Proponent will install a new well liner.
- Install a liner. Assume the liner will be 9" diameter steel with a 0.312" wall thickness. Additionally, assume the liner will be installed to a depth of 145' and shall have the annular space cemented from base of liner to grade.
- Following the installation of the liner the contractor will complete air lift development to remove any fines from the well.

- Install a vertical turbine pump in the well. Assume that the new pumping equipment to be installed will be a Grundfos 385S400-5 wet end pump with a 40 hp Franklin motor.
 - Provide proof that the new pump will have necessary provisions such that it can be incorporated into a new SCADA system, which will be upgraded in 2016.
 - Include details of a VFD to be installed, if deemed necessary.
- Install a water intake on the stainless steel column pipe.
- Fabricate and install a new discharge head and remove the existing concrete pedestal.
- Hook the new pump up to the existing control panel for Well #2.
- The Proponent must conduct all construction measures from **April 1, 2016, to May 31, 2016.**

*The Proponent must follow AWWA Standards.

3.0 Updated Appendix C: Proposal Bid

Part 1: Engineering Assessment Costs

Proponents are to indicate the cost to perform all measures associated with Part 1 of the Scope of Work (Engineering Assessment):

Labour	\$
Resources / Equipment	\$
	\$
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Subtotal	\$
HST	\$
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Total Cost	\$

Should they desire it, Proponents may also submit a supplementary cost breakdown on a separate form (Template Attached) to provide greater detail regarding project finances.

Part 2: Construction Costs

Proponents are to indicate the cost to supply, install, configure, and carry out all deliverables indicated in their proposed scope of work:

Labour	\$
Resources / Equipment	\$
Installation and Configuration	\$
	\$
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Subtotal	\$
HST	\$
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Total Cost	\$

In addition to the cost breakdown above, the Town of Minto acknowledges that some engineering solutions may result in recurring or continuous operational costs to the Town. Proponents are requested to include an additional form outlining other one-time or ongoing costs that would be incurred by the Town to implement a proposed system.

Should they desire it, Proponents may also submit a supplementary cost breakdown on a separate form (Template Attached) to provide greater detail regarding project finances.