



981-2023 ADDENDUM 1

PROFESSIONAL CONSULTING SERVICES FOR WINDSOR PARK LIFT STATION UPGRADES

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE BID/PROPOSAL

ISSUED: 2023-12-22
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID/PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: Add 2021-03-05

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid/Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid/Proposal may render your Bid/Proposal non-responsive.

FORM P – PERSON HOURS

Replace: 981-2023_Form P: Person Hours with 981-2023_Addendum 1 - Form P: Person Hours. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Form P (R1): Removed Hour Rates listed along with Hours listed for various tasks in each section.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, January 19, 2024.

PART D – SUPPLEMENTAL CONDITIONS

- Add: D8.5 (c) (xix) The Lift Station hatch entrance concrete slabs are in poor shape. Provide structural design to repair hatch slabs. Provide design to replace all outdoor entrance hatches that are lockable in the closed position and designed to prevent the ingress of water.
- Add: D8.5 (e) (xi) The Lift Station Wet Well Entrance area shall be on a separate duct lines from the dry side of the Lift Station. The ventilation for the Wet Well Entrance shall be designed as an Intermittent system such the ventilation is only activated by the dry side light switch.
- Add: D9.16 (r) Separate Setting Letters for each HVAC Controller.

QUESTIONS AND ANSWERS

- Q1: What are the existing pump controls and where are they located?
- A1: The existing pump controls consist of a Schneider Electric SCADAPack 334 located in the Generator Building Motor Control Centre along with a pressure-based level transmitter located in the Lift Station Pump Room (Dry Well). Refer to Appendix B, section 9.2 for further information related to controls.

Q2: Where are the lift pump motor starters located?

A2: The lift pump motor starters are located in the Generator Building Motor Control Centre.

Q3: Will there be any CSTE provided as part of the fire hall upgrade project?

A3: No, there is currently no CSTE installed nor will a CSTE be installed as part of the fire hall project. The proponent will be required to design a new CSTE to be installed.

Q4: What is the main transformer primary voltage and is there a desire to put in new switchgear upstream of the main transformer?

A4: The main transformer primary voltage is 4.16 kV 3-phase. There is no desire to install medium voltage switchgear upstream of the main transformer as the transformer is owned by Manitoba Hydro.

Q5: What is the main transformer size and will it be sufficient to power all the new loads?

A5: The main transformer is 300 kVA 3-phase. The Proponent will be required to provide a spring demand list and compare with the existing 300 kVA 3-phase service. Manitoba Hydro would design and upgrade the service size if deemed required.

Q6: Are the new lift pump cables being installed as part of the fire hall project be VFD rated?

A6: No the cables installed as part of the fire hall project will not be VFD rated, they are Teck90 1000V rated cables. New VFD rated cables between the Generator Building and Lift Station will be required to be designed along with any new additional cables required.

Q7: Is there any issue with additional land required for the Generator Building expansion and/or trenching?

A7: No, the City of Winnipeg owns all the land adjacent to the Generator Building and the Fire Hall.

Q8: The Form P provided has hourly rates and some hours listed. Are these hours and rates to be used?

A8: No, the hourly rates and hours in the Form P are not to be used. These were left in by mistake. An updated Form P is provided for Proponents to use. Proponents are required to provide the hourly charge out rates for all staff to be used on the project along with the associated hours for each task.

Q9: Does Geotechnical Engineering Lead need to be listed in the Proposal?

A9: Yes the Geotechnical Engineering Lead needs to be listed in the proposal so the evaluation committee is aware who would be the lead if Geotechnical engineering is to be performed. Please note that at this time there is no Geotechnical work anticipated.

Q10: Will the existing Automatic Transfer Switch be reused?

A10: Yes, the existing transfer switch will be reused for the project.

Q11: Will there be any new PLC controls for HVAC systems?

A11: There will not be any new controls from the PLC for the HVAC systems. The PLC will only monitor the status of HVAC equipment. Each HVAC system (Generator Building and Lift Station) will have a dedicated HVAC Controller along with an HVAC Control Panel.

Q12: Does any Hydraulic Modelling need to be performed to update the Windsor Park catchment area?

A12: Updating the existing City Hydraulic Model for the Windsor Park catchment area is not part of the scope. The Proponent is only responsible for a Hydraulic Desktop Analysis on the new lift pumps being proposed such that they do not overwhelm the downstream interceptors and to verify if a new Storm Pump is required.

Q13: Is there a planned Consultant budget and/or Project budget?

A13: This project is funded from the City of Winnipeg Wastewater Lift Station Upgrade Program. The internal project budget was for planning purposes only and will not be released to Proponents.

Q14: Are there any specifications available on the existing Storm Pump?

A14: The Storm Pump is a vertical turbine, horizontal motor mount. Manufacturer: Johnston, Model: JX-17378, 1760 RPM. The City does not have any record documents including pump curves.

Q15: Should the HVAC for the Wet Well Entrance be on the same duct lines as the dry side of the Lift Station?

A15: No, the Wet Well Entrance HVAC will be required to be fully separated from the Lift Station dry side HVAC duct lines. The Wet Well Entrance HVAC shall be designed for intermittent operation only.

Q16: Are the new level site glass to extend through the concrete floor into the motor room?

A16: Yes, the level site glasses are to be designed to be core drilled through the Motor Room floor slab such that the top of the site glasses are accessible in the Motor Room for cleaning purposes.

Q17: Is there room to install three (3) new lift pumps in the Pump Room?

A17: The Proponent will be required to perform preliminary pump selection and show an option as part of the preliminary design report and include a high-level plan arrangement drawing to show three (3) new lift pumps. As long as no code spacing requirements are violated and a clearance spacing of two (2) feet can be maintained, the City is planning to have three (3) new lift pumps installed. Note that only two (2) pumps out of three (3) would be allowed to run at any time.

Q18: How will the City Hydraulic Model be provided in reference to RFP clause D7.5 (a)?

A18: If a Proponent would like to see the City Hydraulic Model at this time, please send an email to the Consulting Contract Administrator listed in RFP clause D2 and a link to a SharePoint site will be emailed directly to the Proponent.