



981-2023 ADDENDUM 3

PROFESSIONAL CONSULTING SERVICES FOR WINDSOR PARK LIFT STATION UPGRADES

URGENT

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

ISSUED: 2024-01-16
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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.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, January 22, 2024.

PART D – SUPPLEMENTAL CONDITIONS

- Revise: D7.5 to read: The Consultant shall conduct a hydraulic **model** analysis of the Windsor Park Station in order to determine the maximum pumping capacity. The City will provide the InfoWorks City Master Database to perform the analysis. Note that both force mains are in use at the same time and should be included in the analysis. **The Proponent will be required to run the hydraulic model and** provide hydraulic **model** analysis for the following:
- Add: D7.5 (j) The existing City InfoWorks model may not accurately reflect the Windsor Park upstream catchment as it has not been calibrated at a district level. There will be no official model updates from this project. Should any model update or model maintenance work be required, the additional Proponent costs shall be applied towards the Additional Work Allowance in D18.
- Add: D7.5 (j) (i) Artificial inflows shall be assigned to the Windsor Park catchment and adjusted to find the maximum pump station discharge allowable without exceeding the 80% full flow requirement on either of the downstream interceptors listed in D7.5 (f) and D7.5 (g). Once a generalized maximum flow has been found, this flow rate will be used to determine maximum pump sizes that can be installed.
- Add: D7.5 (j) (ii) A Detriment Analysis will also be provided to ensure the new sized lift pumps do not reduce the level of service in the downstream sewer districts. The Detriment Analysis area of study will be limited to the Windsor Park, Southdale West, and Mission sewer districts, and will utilize the existing model representation along with design storm/river level conditions in accordance with the City of Winnipeg Hydraulic Modeling Guidelines. Artificial inflow scenarios may also be utilized to determine Level of Service provided with a particular pump arrangement.
- Add: D7.5 (j) (iii) Artificial inflows shall be provided on the 1500mm gravity pump to the Windsor Park Station Wet Well in order to estimate wet weather flows coming from the Land Drainage System. Using the conditions listed in D7.5 (h), and the new sized lift pumps, determine if the Windsor Park sewer district may be at risk without a new storm pump installed.

Delete: D8.5 (d) (viii)

Revise: D23.3 to read: The City intends to award this Contract by March 10, 2024;

Revise: D24.1(a) to read: Preliminary Design Submission by May 31, 2024;

Revise: D24.1(b) to read: 66% Design Submission by July 17, 2024;

QUESTIONS AND ANSWERS

Q1: Does any new design work costs for a replacement Storm Pump such as a Notice of Alternation be included in the Preliminary Engineering or Detailed Engineering Design fees?

A1: Any new design work to provide a new replacement storm pump, including preparing a Notice of Alternation to the Provincial Environmental Director shall be applied towards the Additional Work Allowance listed in D18.2. Clause D8.5 (d) (viii) has been deleted to reflect this. Only design work associated with hydraulic modelling and analysis for a storm pump should be included in Preliminary Engineering and Detailed Engineering Design fees.

Q2: Clause D7.5 (b) and D7.5 (h) suggest Detrimental Analysis is to be provided while D7.5 mentions a desktop analysis. These are different items, please clarify which one to use?

A2: The Proponent will need to use and run the City hydraulic model in order to size the new Lift Pumps and verify a Storm Pump is no longer needed. A Detriment Analysis is required for determining level of service is maintained with or without a Storm Pump. Clause D7.5 and clause D7.5 (j) has been added above to reflect this. A Detriment Analysis is using the hydraulic model results to show before and after changes to verify the level of service in the area is not made worse.