



## 912-2013 ADDENDUM 2

### MCDERMOT AVENUE OUTFALL GATE CHAMBER UPGRADES

#### **URGENT**

**PLEASE FORWARD THIS DOCUMENT TO  
WHOEVER IS IN POSSESSION OF THE BID  
OPPORTUNITY**

ISSUED: November 26, 2013  
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**THIS ADDENDUM SHALL BE INCORPORATED  
INTO THE BID OPPORTUNITY AND SHALL  
FORM A PART OF THE CONTRACT  
DOCUMENTS**

Template Version: A20130301

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

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#### **PART A – BID SUBMISSION**

Replace: 912-2013 Bid Submission with 912-2013 Addendum 2 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Form B (R2): Item A.1 (b) description revised.

#### **PART B – BIDDING PROCEDURES**

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, November 29, 2013.

#### **PART D – SUPPLEMENTAL CONDITIONS**

Revise: D2.2 (e) Supply and installation of submersible pump, complete with electric power and all associated automation and controls complete with buried discharge piping to the adjacent combined sewer.

Add: D14.3 (e)(iv) Supply and install submersible pump with guide rail kit, complete with electric power supply and automatic controls;

Replace: Form I with the attached Form I (R2). The following is a summary of changes incorporated in the replacement forms:

Form I (R2): Item No. 2 has been revised and should read: Supply and installation of Submersible Pump, Complete with Electric Power Supply, and Buried Discharge Piping.

New item No. 3 is added and should read: Automation and Control for the Submersible Pump Actuator.

New item No. 8 is added and should read: New Automation and Control for the New Sluice Gate

Item numbering has changed as a result.

## **PART E – SPECIFICATIONS**

- Revise: E17.1 (a) to read: This specification shall cover the removal of the existing positive gate from the existing concrete gate chamber, and supply and installation of a submersible pump.
- Revise: E17.4 (b) to read: Costs for the supply and installation of the submersible pump, complete with all associated automation and controls, complete with buried discharge piping will be included in “Supply and Installation of Submersible Pump, Complete with Electric Power Supply, and Buried Discharge Piping”.

## **DRAWINGS**

- Add: 912-2013\_Historical\_Drawing\_LD-7136  
912-2013\_Historical\_Drawing\_SC-15702A  
912-2013\_Historical\_Drawing\_SC-15702  
912-2013\_Historical\_Drawing\_SC-15703

## **QUESTIONS AND ANSWERS**

Concerning the electrical ducts shown on E2,

- Q1. What is the overall length as we are unsure due to the break line?  
A1. Approximately 120 m.
- Q2. The duct appears to be on the private property side of the fence,, is this the intent?  
A2. The duct should be within City's property
- Q3. Do we have to remove and replace the fence to install the duct as shown?  
A3. Contractor shall repair to original condition all existing features if removed or damaged during the construction of the duct
- Q4. What is the size (width, length and thickness) of the CSPE/meter pad and what is the reinforcing detail?  
A4. The pad shall contain P&C Panel (with RTU Panel), CSPE and meter that will be free standing and attached to outdoor rack. The pad shall be 200mm thick installed above grade and extend 1 meter on 4 sides beyond these equipment. The contractor shall submit shop dwg of concrete pad and footing showing size and reinforcement for review and approval.
- Q5. What type of steel cover do you want on the pull pit (TF101)?  
A5. Compatible with City of Winnipeg roadway manholes and cover.
- Q6. Once duct AA and BB join, are they to be built side by side or one on top of the other?  
A6. It does not matter because every conduit in the ducts goes to different panels
- Q7. What is the depth of the existing sewer on McDermot?  
A7. Roof of existing chamber is approximately 230.4m. Sewer pipe invert is approximately 221.65 at outlet invert. Depth approximately 8.75m.
- Q8. Will the anchor bolts and epoxy (if required) be supplied with the gates?  
A8. Refer to Bid Opportunity 651-2013.
- Q9. What is the thickness of the 2700 SRS pipe wall?  
A9. Wall thickness is approximately 13” thick.
- Q10. Will you lay out the expected centerline of the existing 2700 SRS and then we are to confirm it?  
A10. Yes.
- Q11. What are the expected flow volumes in the 2700 SRS?  
A11. See Section E9 in Bid Opp 912-2013.
- Q12. Is the existing broken gate stuck in the open or closed position?  
A12. Gate is propped up in the open position.
- Q13. What is the expected delivery for the 10 hp submersible pump?  
A13. Submersible pump is not supplied by the City and shall be supplied and installed by the Contractor.
- Q14. Form I asks for unit prices for pavement restorations but restoration is paid as a lump sum, why?  
A14. To set a limit on time and materials for restoration work.

- Q15. On previous jobs we have had difficulty finding someone to install a flame applied waterproofing in an enclosed space (shored excavation), is there another product we could use that does not require a heat application?
- A15. This can be addressed during time of construction.
- Q16. Can we substitute class 3 backfill for class 2 around the chamber?
- A16. No.
- Q17. What is the height of the removable weir?
- A17. Half of pipe diameter, approximately 1370mm.
- Q18. E12.3biv says use an inflatable plug if the river is not sufficiently high to perform a seating test of the gates, we consider a plug of this size "unsafe" and would like to know if this if an unseating test will suffice?
- A18. Yes.
- Q19. Where is the test hole relative to the proposed structure?
- A19. Test hole is on the south edge of the existing pathway shown on the site plan on Sheet LD-7247, approximately 8.2m from northwest corner of new gate chamber.
- Q20. What is the current water elevation in the piezometer?
- A20. Please refer to the geotechnical report.
- Q21. Is the controller for the sluice gate actuator supplied with the actuator or does electrical subcontractor supply it?
- A21. The controller for the sluice gate actuator should be supplied with the actuator that is pre-mounted to their standard
- Q22. If there are any capital costs on the part of Mb Hydro the amount will not be available until after tender closing. How should this be handled?
- A22. Contractor to carry a cash allowance of \$10,000.00 for Manitoba Hydro work only per their standard power supply agreement. Contractor shall carry all other costs for the work that Hydro do not generally provide.
- Q23. On Dwg 10 of 22 - Does this note apply to this project? If so please explain.
- A23. If you referring to E&I General Notes then they do apply to this project. These are general notes added to enhance the specification.
- Q24. There is reference to lumber protection over underground ducts in the spec, but not in the duct bank details on drawing 11 of 22. Is lumber required?
- A24. Lumber not required as long as concrete encased will be provided under roadway/ vehicular areas.
- Q25. Does the RFP from City of Winnipeg indicated the type of SCADAPack; meaning either "modbus centric" or "E-Series".
- A25. [The City] would prefer the E series. I understand the price is identical, so for the purpose of bidding it doesn't matter much.
- Q26. DWG LD-7255 General Notes 4.3 – Pay for Hydro Service from existing xfmr
- a. The GC's quoting the job will not accept my, or any electrical price that is qualified as requested by Hydro.
- A26. If cash allowance is not preferred/ accepted then inform the bidders 'that any cost attributed to Hydro will be paid directly to Hydro upon receipt of invoice from Hydro'.
- Q27. Section 26 08 05 3.1.2 – Where is PNL-L1?
- A27. PNL L1 should read PNL AA
- Q28. Section 26 50 00 – Is there a specification for Type A luminaire?
- A28. See item 10 on dwg E1, E&I General Notes
- Q29. DWG LD-7257 Panel A Schedule – CCT 7 and 9. Are these new luminaires?
- A29. Delete reference to circuit 7 and 9 as there are no lighting fixtures on building exterior and poles
- Q30. Section 40 94 43 2.5.1 – RTU is not rack based.
- A30. Schneider confirmed that all SCADA RTU are rack based
- Q31. Expansion I/O cards for the 357 are combined DI and DO. How many spare are required?
- A31. There are approx. 14 DI/DO points and 1 combined card is adequate for the project; so no spare I/O card required
- Q32. Section 40 94 43 2.2.6 – SCADAPack 357 cannot be programmed with Unity Pro. Must be ISAgraf or Telepace Studio.
- A32. Contractor to confirm with Schneider and provide a pertinent programming