

814-2022 ADDENDUM 2

NEWTON FORCE MAIN RED RIVER CROSSING - CONNECTIONS AND SEWER ON SCOTIA STREET

URGENT

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

ISSUED: March 30, 2023
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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 B: PRICES

Replace: 814-2022 Form_B: Prices with 814-2022 Addendum_2-Form_B: Prices.

The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Form B(R1): Add Items No. A16 – **Allowance for Heritage Resource Mitigation Measures.**

Page numbering on some forms may be changed as a result.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, **April 5, 2023.**

PART D – SUPPLEMENTAL CONDITIONS

- Add: D3.5 Rainbow Stage is an outdoor theatre operator located in Kildonan Park that operates from May to September. The Contractor shall coordinate with Rainbow Stage and the Contract Administrator throughout construction to accommodate the Rainbow Stage events schedule, this may require modifications to working hours and working days.
- Delete: D18.1. (b) **DN500 DI Pipe**
- Delete: D18.1. (d) **DN500 Wyes, Bends, and Reducers**
- Add: D19.6 The Contractor shall accommodate the Rainbow Stage event schedule within their detailed work schedule. Modifications may be required to working hours and/or working days for any works within Kildonan Park. Any works within Kildonan Park shall come to a halt and the site be secured one (1) hour prior to any scheduled Rainbow Stage event and shall not re-commence till one (1) hour after any scheduled Rainbow Stage event.
- Revise: D22.1. (a) to read All Work within Kildonan Park must be complete, including testing, and restoration as directed by the Contract Administrator by August 15th, 2023.
- Revise: D23.1 to read The Contractor shall achieve Substantial Performance within forty-five (45) consecutive Working Days of the commencement of the Work as specified in D20.
- Revise: D24.1 to read The Contractor shall achieve Total Performance within fifty (50) consecutive Working Days of the commencement of the Work as specified in D20.

Page numbering on some forms may be changed as a result.

PART E – SPECIFICATIONS

- Revise: E6.4. (g). (i) to read Erection of temporary construction fencing is required around temporary workspaces, **all excavations within Fraser Grove and Kildonan Park**, and all other construction work activities to ensure the provision of a safe worksite.
- Add: **E31. HERITAGE RESOURCES PROTECTION AND MONITORING PROGRAM**
- E31.1 General
- (a) This specification covers the requirement to have an archeologist on site to observe shaft construction of the force main works in Kildonan Park.

- (b) The Contractor shall plan and implement the Work of this Contract strictly in accordance with the requirements of the Heritage Resources Act (1986), Section 12, which outlines the protections against the disturbance of heritage resources.

E31.2 Description

- (a) The Historic Resources Branch (HRB) in their assessment of the heritage potential for the project (AAS File # AAS-22-19466), issued the following provision: "Monitoring of any future ground disturbance within Kildonan Park, outside of the assessed area, associated with the planned roadwork and/or trenching for this project" must be monitored by a qualified archaeologist under an approved Heritage Permit to Search for or Excavate a Heritage Object. Work under this Contract that would fall under the provision includes the following:
 - (b) The excavation of underground shafts in Kildonan Park.
 - (c) The previously completed Heritage Resource Impact Assessment (HRIA) report that was completed and approved by the HRB prior to the commencement of Tender 327-2022B has been attached in Appendix B. The area assessed prior to the start of Tender 327-2022B will not require additional assessment as part of the HRIA for Tender 814-2022.
 - (d) The Contractor shall not commence or proceed with any ground disturbance activities within the area described in the provisions above without a qualified archaeologist presence to monitor said activities.

E31.3 Methods

- (a) The Contractor shall contract an archaeologist qualified to conduct an HRIA in the Province of Manitoba.
- (b) The Archaeologist shall secure a Heritage Permit to Search for or Excavate a Heritage Object from HRB for the project.
- (c) The Archaeologist shall monitor all ground disturbance activities within the area described in the provisions above and inspect all shafts, trenches and their removed sediments to a depth of 1.5 m for heritage resources. The Archaeologist shall maintain written field notes and a photographic record.
- (d) The Archaeologist shall document any heritage features and identify and collect any heritage resources exposed during the construction activities. All heritage objects will be treated according to HRB management standards.
- (e) Upon conclusion of the fieldwork, the Archaeologist shall complete a HRIA report following HRB guidelines and submit the report to HRB for review.
- (f) Heritage objects recovered during the course of the monitoring are owned by the Crown with the custody residing in the HRB. All archaeological materials will be processed, packaged, and submitted to the HRB by the date specified on the relevant Heritage Permit and in accordance to Archaeological Artifact Submission Standards (2009).
- (g) The Contractor shall be responsible for the development and implementation of a Heritage Resources Protection Plan (HRPP) that details the procedures to be followed in the event that heritage resources are accidentally encountered during construction activities. The plan shall be submitted to, discussed with, and approved by the Contract Administrator prior to mobilization.
- (h) The Archaeologist must also be notified of any heritage resources that are accidentally encountered during construction activities, even in areas outside of the provisions above. The Contractor must follow the procedures of the HRPP.

E31.4 Measurement and Payment

- (a) The cost for the development of the HRPP and the HRIA shall be paid for under the Contract unit price for "Allowance for Heritage Resources Mitigation Measures". Costs will be based on actual invoiced costs for HRIA activities with allowable mark-ups in accordance with the General Conditions.
- (b) No additional payment will be made for excavation or shoring of shafts and shall be considered incidental to the Force Main installation.

DRAWINGS

Replace: 814-2022 2_Drawing_1-0221S-C0005-001-R0 with **814-2022 _Addendum_2_Drawing_1-0221S-C0005-001-R1**

Replace: 814-2022 2_Drawing_1-0221S-C0006-001-R0 with **814-2022 _Addendum_2_Drawing_1-0221S-C0006-001-R1**

APPENDICES

Add: 814-2022_Addendum_2-Appendix_B - **Heritage Resource Impact Assessment for the City of Winnipeg Newton Force Main River Crossing on River Lots 18 and 69 in the Parish of Kildonan**

Add: 814-2022_Addendum_2-Appendix_C - **Shop Drawings for HDPE End Piece, Backing Ring, and Blind Flange**

QUESTIONS AND ANSWERS

Q1: Is AWWA C210 liquid epoxy coating acceptable?

A1: Yes, either coating, liquid epoxy per E23.3.15 or fusion bonded epoxy per E23.3.16 are acceptable.

Q2: The specification has asked for Restrained couplings and Di-electric insulating boots, both options are not available as the boot would prevent restraint contact with the pipe, which option is more important?

A2: The two replaced drawings now show that the Wye Launch Chambers now have two different pipe couplings. A restrained pipe coupling per AWWA C219 transitioning DN350 DI pipe to DN350 PVC pipe and a custom fabricated steel transition coupling for the DN350 DI pipe to DN500 DR7 HDPE pipe. E23.3.8 only applies to the first coupling. As the transition is from DI to PVC pipe, no di-electric insulating boots are required.

Q3: The specification has asked for 316ss body and Fusion Bonded epoxy coating, both options are not available.

A3: Provide 316SS.

Q4: The specification states they are to be used where noted on dissimilar metal piping are joined, there are no notes on the drawing, but there is dissimilar metal piping. Will these be required for all dissimilar metals?

A4: Yes, provide flange isolation kits for all dissimilar connections between DI, CS and SS piping.

Q5: The Launch Wye Chambers show 18-degree DI Elbows. Would fabricated steel elbows be acceptable?

A5: Yes, if required, fabricated steel elbows would be acceptable coated per E23.3.15 with schedule 80 or XS wall thickness for pipe sizes DN300 and above.

Q6: Procurement lead times for gate valves are confirmed to be 12-14 weeks, much longer than anticipated. Can the Critical Stage date of July 1st be moved accommodate these lead times?

A6: Yes, due to the anticipated lead times of the gate valves we've adjusted dates within the Tender to better reflect this. Based on these updated Tender dates we've also made changes in this addendum to accommodate stakeholder's needs within Kildonan Park.

Q7: Could you provide the level of flow in the 1350 concrete wastewater sewer that we are connecting to at Armstrong Avenue and Newton Avenue?

A7: The actual depth of flow in the existing 1350 mm sewer at the downstream end is not know currently. Hydraulic simulations indicate that dry-weather flow in the pipe reaches a maximum depth of 0.16 m above the pipe invert at the connection point. Prior to connecting, the Contractor should confirm the flow depth.

Q8: Can cement stabilized fill be used instead of clay fill within the Flood Protection Dike?

A8: We would approve cement stabilized fill as an approved equal for Flood Protection Dike – Clay Fill from the bottom of the excavation up to a maximum of 227 m. All Flood Protection Dike - Clay Fill above this elevation to grade must be installed as per the E22 – Flood Protection Dike – Clay Fill specification.