Winnipeg

Corporate Finance Department
Purchasing Division

990-2023B ADDENDUM 2

CONSTRUCTION OF ~1,045 M OF 1200 MM INTERCEPTOR SEWER – CENTREPORT SOUTH REGIONAL WATER AND WASTEWATER SERVICING PHASE 1A (CONTRACT 3)

ISSUED: May 10th, 2024
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URGENT

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

THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID/PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: Add 2024-02-01

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: 990-2023B Form B: Prices with 990-2023B Addendum 2 - Form B: Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Form B(R1): Revised Item No. G1(a)

Added Item No. G1(b)

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

PART E – SPECIFICATIONS

Revise: E4.1.2(b)(v) to read: The Contractor must provide pipes that can be installed with their intended means and methods. The pipe class listed on the Drawings is intended only to meet the final burial depth of the pipe in accordance with **ASCE 27-17 Direct Design**. The Contractor must provide a submission that demonstrates that the proposed pipe can support the anticipated loading applied to the pipe.

Replace: E10.2(b) with: Daily costs for all equipment on Site during shaft construction, including but not limited to equipment required to facilitate shaft construction, other equipment, construction vehicles, Contractor trucks and their staff's personal vehicles, temporary site/storage facilities, rental equipment, and all other ancillary equipment required to undertake the shaft construction activities and Work belonging to the Contractor or their sub-contractors shall be paid for at the daily rate under the contract unit price of "Daily Equipment Rate – Shaft Construction".

(i) The Contractor shall submit a breakdown of the equipment costs included within the Daily Equipment Rate – Shaft Construction to be used in assessing delay claims from Change in Work. A breakdown of these costs must be submitted prior to commencement and add up to the total Daily Equipment Rate – Shaft Construction entered on Form B:Prices used to evaluate the Bids.

Add: E10.2(c): Daily costs for all equipment on Site during microtunnelling operations, including but not limited to tunnelling and associated equipment, other equipment, construction vehicles, Contractor trucks and their staff's personal vehicles, temporary site/storage facilities, rental equipment, and all other ancillary equipment required to undertake the microtunnelling activities and Work belonging to the Contractor or their sub-contractors shall be paid for at the daily rate under the contract unit price of "Daily Equipment Rate – Microtunnelling".

(i) The Contractor shall submit a breakdown of the equipment costs included within the Daily Equipment Rate - Microtunnelling to be used in assessing delay claims from Change in Work. A breakdown of these costs must be submitted prior to commencement and add up to the total Daily Equipment Rate – Microtunnelling entered on Form B:Prices used to evaluate the Bids.

Revise: E19.2(n) Shaft excavations which are exposed to public vehicular traffic, including run-off lanes, shall be barricaded along the exposed side with portable concrete interlocking barriers designed and positioned to deflect errant vehicles.

Revise: E21.7(a)(ii) The unit price for this item shall include all costs to supply and install the reinforced concrete jacking pipe, 4mm thick HDPE liner, cap strips, welding and QAQC, lubrication, contact grouting, **disposal of excavated material**, and microtunnelling plan development. Costs shall include the supply and use of microtunnel boring machines, slurry management units, lubrication and grouting systems, and ancillary equipment needed to install the interceptor sewer on line and grade as outlined in the Drawings and Specifications herein.

Revise: E21.7(b)(i) Microtunnelling listed on Form B:Prices will be paid out in accordance with the following payment schedule:

- 40% paid upon completion of pipe installation
- 30% paid upon completion of contact grouting
- 20% paid upon completion of joint welding
- 10% paid upon approval of QAQC documentation

DRAWINGS

Replace: 990-2023B_Drawing_13439-R0 with 990-2023B_Addendum_2-Drawing_13439-R1

990-2023B_Drawing_13440-R0 with 990-2023B_Addendum_2-Drawing_13440-R1

990-2023B_Drawing_13441-R0 with 990-2023B_Addendum_2-Drawing_13441-R1

990-2023B_Drawing_13442-R0 with 990-2023B_Addendum_2-Drawing_13442-R1

990-2023B_Drawing_13443-R0 with 990-2023B_Addendum_2-Drawing_13443-R1

990-2023B_Drawing_13444-R0 with 990-2023B_Addendum_2-Drawing_13444-R1

990-2023B_Drawing_13445-R0 with 990-2023B_Addendum_2-Drawing_13445-R1

990-2023B_Drawing_13446-R0 with 990-2023B_Addendum_2-Drawing_13446-R1

990-2023B_Drawing_13447-R0 with 990-2023B_Addendum_2-Drawing_13447-R1

Note – Drawing revisions include the following:

- **Added contours to Drawing Sheet No. 13441,13442,13443,13444, and 13445.**

- **Added missing pipe label on Drawing Sheet No. 13445**
- **Added MH-05 (Intermediate Manhole) Details to Drawing Sheet No. 13446**

QUESTIONS AND ANSWERS

Q1: The specification details 4mm thick HDPE liner on the sanitary pipe. A 1.6mm HDPE liner is standard thickness and provides similar design lift than the 4mm thickness. We respectfully request this detail to be reviewed as there is considerable cost savings by allowing a 1.6mm thick liner in place of a 4mm thick liner.

A1: Liner design is based on groundwater back pressure resistance which 1.6mm does not meet. Liner thickness to remain as 4mm as identified in the Drawings and Specifications.

Q2: Please provide clarity on which sections of the precast manholes can be epoxy coated in lieu of HDPE lining as per Note 4 on Drawing Sheet 9 of 9.

A2: Precast elements which can be epoxy coated are identified on Drawing Sheet 13447 under Typical Manhole Notes – Note 4. The precast grade rings, unlined jacking pipe ends, cast-in-place concrete benching, and mortared pipe-to-manhole connections is to be epoxy coated. Precast barrels, slab, bases, doghouses, and cones must be lined with HDPE.

Q3: Can you please confirm whether pricing details for MH-05 under Tunnelling and Shaft Construction are required to be included in Form B:Prices?

A3: Pricing for MH-05 is to be provided under item C3(b)(i) on the Form B:Prices. Please reference Specifications E19 (Shaft Excavation and Support), E23 Concrete Protective Liners and Coating, and E29 (Large Diameter Manhole). Pricing for MH-05 shall include all costs associated with excavation and shaft construction as required to install the MH-05 structure. Details for MH-05 are included as part of this addendum (Addendum 2 Drawings).

Q4: Based on the Appendix B (Geotechnical Baseline Report), the specified diameter for receiving shaft within the future lift station is mentioned as 12 meters. However, according to the Drawings, the diameter should be 8 meters. Could you please clarify this discrepancy?

A4: As part of the previous RFQ 990-2023A, we had previously shown a receiving shaft location at the future lift station, which is what the GBR briefly makes reference to in Section 2.4. This receiving shaft location has been moved to a different Contract and is no longer included in Tender 990-2023B. We believe you are referring to the shaft location at MH-03, which is a launch shaft location that is outside of the lift station site property that is sketched as an 8.0m diameter shaft on the drawings. The shaft dimensions sketched in the drawings is for planning purposes only and the Contractor is responsible to design and size shafts as required to support the Contractor's means and methods and as required to accommodate the installation of the permanent structures identified (Reference Drawing Note 3).

Q5: Could please provide the surface water flow rates required for the dewatering system as specified in clause D19 of the tender documents?

A5: If obstructing the drainage ditch along the MH-03 and/or MH-04 Work areas, Contractor's shall assume two (2) – 600mm diameter culverts are required to maintain surface water flows through the Site. If obstructing the drainage area along the MH-01 and/or MH-02 Work areas, Contractor's shall assume one (1) – 600mm diameter culvert is required to maintain surface water flows through the Site.

Q6: In assessing the probability of using MH-01 instead of MH-02 as the launch shaft, we would like to determine if there are any specific restrictions regarding the drop in elevation within the pipeline at MH-02. Could you please clarify that?

A6: The selection of launch and retrieving shafts is ultimately at the discretion of the Contractor, provided they can complete the Works within the staging area identified. There are no specific restrictions at MH-02 that would prevent the Contractor from using it as a retrieval shaft, as long as the relevant specifications and design are met.