



1173-2019 ADDENDUM 1

LODGE AVENUE OUTFALL RENEWAL AND REHABILITATION

URGENT

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

ISSUED: November 26, 2019
BY: Ray Offman, P.Eng.
TELEPHONE NO. 204 896-1209

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE TENDER AND SHALL FORM A PART
OF THE CONTRACT DOCUMENTS**

Template Version: A20190115

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

PART A – BID SUBMISSION

Replace: 1173-2019 Bid Submission with 1173-2019 Addendum 1 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

- Form B(R1):
- Revised Item A19 – Allowance for Vibration Monitoring
 - Revised Item A20 – Allowance for Geotechnical Instrumentation Installation
 - Revised Item A21 – Allowance for Internal Concrete Coring Program
 - Revised Item A24.a – Supply and Installation of 1970 mm diameter Debris Grate
 - Revised Item A30 – Supply and Installation of Stabfill (backfill material for 250 mm PVC)
 - Revised Item A31.a – Surface Repairs
 - Revised Item A31.b – Eroded Pipe Repairs
 - Revised Item B2.a – Supply and Installation of 250 mm diameter Temporary Plug
- Page numbering on some forms may be changed as a result.

PART B – BIDDING PROCEDURES

Delete: B3.3

Delete: B3.4

Delete: B3.5

PART D – SUPPLEMENTAL CONDITIONS

Add: D2.3 Background and Project Information

Add: D2.3.(a) The Bidder is advised that KGS Group/The City of Winnipeg has had on-going coordination with Manitoba Hydro for relocation of the existing hydro transformer and new service installation to the Grants Old Mill Building. The Bidder is required to further continue coordination with Manitoba Hydro immediately following

award to schedule the relocation of transformer and installation of new conductor to the Grants Old Mill Building to suit the Contractor's construction schedule. Manitoba Hydro contact information will be provided to the Bidder upon notification of award.

- Add: D2.3.(b) The Bidder is advised that the Grants Old Mill building may require electrical service upgrades to connect the new conductor service to the building. A 4" conduit is required to be installed by the Contractor or their designate for mechanical protection of the cables from the existing meter into the ground. The Contractor is responsible to undertake the new connection and electrical upgrade works required to meet current code standards and resulting costs are to be paid for under the Allowance included within the Contract.
- Add: D2.3.(c) The cost of the new transformer and conductor service to Grants Old Mill building is covered directly by the City of Winnipeg to Manitoba Hydro (outside of this Contract). The current plan agreed upon with Hydro is that the new transformer is to be installed north west of the project site (within the park area) and a new conductor service to Grants Old Mill building is to be installed (outside of minimum shoring extents) by January 2, 2020 (actual date may change). The Grants Old Mill building is to continue to be connected to the existing transformer until Contractor is prepared to connect new conductor to panel.
- Add: D2.3.(d) The Bidder is advised that the Grants Old Mill building and washroom building on site is not to be without power for more than eight (8) hours. Shall this not be achievable, the Contractor shall be responsible for providing a temporary heating supply to the Grants Old Mill building and washroom building to maintain an internal room temperature between 10 degrees Celsius to 21 degrees Celsius.
- Add: D2.1 (b) iii. Installation of Temporary Sewer Plug
- Add: D13.1 (d) Access Permits/Frozen Waterways Permits (As Required)
- Add: D13.1 (e) Electrical Service Connection, including 4" conduit to protect new cables from the meter into the ground for Grants Old Mill building.

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

PART E – SPECIFICATIONS

Revise: E1.4 to read: The following are applicable to the Work:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
LD-9565	Cover Sheet
LD-9566	Index Page
LD-9567	Lodge Avenue Outfall – Plan and Profile
LD-9568	Lodge Avenue Outfall – Geotechnical Works
LD-9569	Miscellaneous Details
LD-9572	Shier Drive Outfall – Plan and Profile
LD-9573	Coleridge Park Outfall – Plan and Profile

Revise: E11.1.1 to read: This Specification shall cover all aspects of the Site Development and Restoration Work, including but not limited to **coordination with Manitoba Hydro**, mobilization and demobilization, erection, maintenance and removal of safety fencing, swamp mats as required for access, traffic control and signage, sediment control Works, snow clearing, flow control, temporary cofferdams, protection and pruning as required of existing trees, removal of fallen trees and debris, removal and reinstallation of site furniture, office facilities, general access development, access maintenance and removal, and Site Restoration.

- Revise: E.16.2.5 to read: Bedding and Backfill Material
- Sand bedding and **Modified Class 2 backfill material as indicated on the drawings** and per CW 2030, modified to have 0.6 m of compacted excavated Site select material as opposed to the detailed 0.3 m of compacted excavated material.
- Revise: E.16.2.10.b to read: PVC 250 mm diameter lead pipe to SPCSP Connection
- PVC to SPCSP connection shall be a **600 mm by 600 mm (c/w welded smooth sleeve)** CSP saddle branch connection. Shop drawings for PVC to SPCSP connection shall be submitted to the Contract Administrator prior to construction.
- Add: E.16.2.12: Precast Concrete Pipe Anchors
- (a) Precast Concrete Pipe Anchors to be installed at the Coleridge Park Drive Outfall site shall be manufactured to match the existing concrete anchors at the site and installed as indicated on the drawings.
- Revise: E16.3.11 to read: Shop Drawings
- Submit prepared shop drawings for the: polymer coated SPCSP, the installation procedure for SPCSP **including temporary bracing (as required)**, PVC pipe to SPCSP saddle connection, reinforced concrete collar, temporary trench shoring, **precast concrete pipe anchors**, and debris grate in accordance with Clause 1.5 of CW 1110 and E8.
- Add: E16.4.5: Supply and Installation of Precast Concrete Pipe Anchors
- (a) Supply and Installation of precast concrete pipe anchors is to be paid for at the Contract Unit Price for "Installation of New 450 mm Pre-Cast Concrete Pipe Anchor" in accordance with this specification and acceptable to the Contract Administrator.
- Revise: E24.3.1 to read: **All costs associated with supply and installation of temporary shoring shall be paid for at the lump sum price for "Supply and Installation of Temporary Shoring", which lump sum price shall be payment in full for supplying all materials and performing all operations described and all other items incidental to the Work included in this Specification.**
- Revise: E30.2.2 to read: The Bidder is advised that the Grants Old Mill building will require electrical service upgrades to connect the new conductor service to the building, **including the installation of a 4" conduit that is required for mechanical protection of the new service cables from the existing meter into the ground.** The Contractor is responsible to undertake all electrical upgrade works required to meet current code standards and is to be paid for under the Allowance included within the Contract.
- Add: E30.3.2: Costs associated with coordination with Manitoba Hydro is considered incidental to Site Development and Restoration (Reference E11).
- Revise: E31.1 to read: Description
- Concrete repairs shall include the internal repairs to the sewer by person entry techniques. The **repairs** shall include the repair of the **Lodge Avenue Outfall concrete pipe invert.** Concrete Works shall be carried out at the locations as directed by the Contract Administrator. The Contractor shall review the repairs and method of repairs with the Contract Administrator prior to starting the Work.
- Revise: E31.2.2 to read: Concrete
- Concrete for large repairs to concrete sewers and manholes shall conform to CW 2160 Type A.

Patching of smaller repairs to concrete sewers (25mm – 75mm thickness) shall be with a sulphate resistant, non-shrink, cementitious mortar, Sikatop 123 Plus or approved equal in accordance with **E8**.

Revise: E31.2.3 to read: Bonding Agents

Bonding agent shall be Duraweld-C or an approved equal in accordance with **E8**.

Revise: E31.2.4 to read: Water Stop

Water stop shall be Hydrotite or an approved equal in accordance with **E8**.

Revise: E31.3.1 to read: Hazard Assessment and Safe Work Plan

Before concrete repairs take place within the sewer, the Contractor shall assess the hazards and prepare a safe work plan in accordance with **D9**.

Revise: E31.3.3.(b) to read: **Surface Repairs**

Patching of small surface repairs up to 75mm in thickness shall include a reasonable and limited level of surface preparation, including removal of unsound material and cleaning of the edges of the repair area. The Contractor shall apply the patching material in accordance with the manufacturer's printed instructions.

Add: E31.3.3.(c): Eroded Pipe Repairs

An area where the pipe has deteriorated to a degree that requires large surface repairs (ie, depth greater than 75mm) shall not be repaired until surface repairs are completed. Surface preparation in these areas shall include the removal of unsound material and cleaning of edges of the repair area and setting of the formwork and bracing (as required). Concrete placement and finishing shall be done in accordance with CW 2160. All formwork and bracing shall be removed from the sewer/manhole at the completion of the Work. The Contractor is to remove all loose material and replace the concrete using reinforcement to secure the concrete repair to an acceptable existing concrete edge. Where the extent or edge of the repair meets with acceptable concrete, this edge shall be prepared for placement of 15M deformed tie bars. These bars shall be placed every 300mm along the repair edge. The thickness of the new concrete within the repair section shall not be less than 75 mm where reinforcing steel is required. The Contractor will review and determine the repair requirements and limits with the Contract Administrator prior to carrying out the repairs.

Revise: E31.4.1 to read: **Miscellaneous Concrete Repairs**

(a) Surface repairs will be measured on an area basis and paid for at the Contract Unit Price for "Surface Repairs". The area to be paid shall be the total square meters of pipe surface repaired in accordance with this Specification, accepted and measured by the Contract Administrator.

(b) Eroded pipe repairs will be measured on an area basis and paid for at the Contract Unit Price for "Eroded Pipe Repairs". The area to be paid shall be the total square meters of pipe surface cut back and repaired in accordance with this Specification, accepted and measured by the Contract Administrator.

DRAWINGS

Replace: 1173-2019 _Drawing_LD-9565_R0 with 1173-2019 _Addendum_1_Drawing_LD-9565_R1

1173-2019 _Drawing_LD-9566_R0 with 1173-2019 _Addendum_1_Drawing_LD-9566_R1

1173-2019 _Drawing_LD-9567_R0 with 1173-2019 _Addendum_1_Drawing_LD-9567_R1

1173-2019 _Drawing_LD-9568_R0 with 1173-2019 _Addendum_1_Drawing_LD-9568_R1

1173-2019 _Drawing_LD-9569_R0 with 1173-2019 _Addendum_1_Drawing_LD-9569_R1

1173-2019 _Drawing_LD-9572_R0 with 1173-2019 _Addendum_1_Drawing_LD-9572_R1

1173-2019 _Drawing_LD-9573_R0 with 1173-2019 _Addendum_1_Drawing_LD-9573_R1

APPENDICES

Add: Appendix_D Lodge Avenue Outfall – 2016 CCTV Inspection Photos