Corporate Finance Department
Materials Management Division

439-2020 ADDENDUM 1

2021 REGIONAL STREET RENEWAL PROGRAM – SALTER STREET REHABILITATION – SLAW REBCHUK BRIDGE TO CATHEDRAL AVENUE

ISSUED: December 7, 2020
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URGENT

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

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: 439-2020 Bid Submission with 439-2020 Addendum 1 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Form B(R1): Revise Item No. A.3

Form B(R1): Revise Item No. A.4

Form B(R1): Add Item No. A.5

PART E - SPECIFICATIONS

ADD: E23:

E23. OPERATING CONSTRAINTS FOR WORK IN CLOSE PROXIMITY TO CRITICAL WATER INFRASTRUCTURE

E23.1 General Requirements

E23.1.1 This Section details operating constraints for all work to be carried out in close proximity to the Large Diameter Watermains and other critical water infrastructure.

E23.2 The following shall be considered critical pipelines and water infrastructure for this project:

E23.2.1 350mm Asbestos Concrete WM

(a) Runs east to west and located on Manitoba Avenue.

E23.3 Submittals

E23.3.1 Submit proposed construction equipment specifications to the Contract Administrator for review a minimum of ten (10) Business Days prior to construction. The equipment submission shall include:

(a) equipment operating and payload weights;

(b) equipment dimensions, including: wheel or track base, track length or axle spacing, track widths or wheel configurations; and,

E23.3.2 Submit a construction method statement to the Contract Administrator a minimum of ten (10) business days prior to construction. The construction method statement shall contain the following minimum information:

(a) proposed pavement removal plan including excavation locations, excavation equipment locations, and loading positions;

(b) excavation plans, including shoring designs, for excavations occurring in close proximity to feeder mains (within 5 m horizontal of the pipe's centerline) where the excavation to be extended below the top of the critical infrastructure embedment zone (150 mm above the pipe); and,

(c) any other pertinent information required to accurately describe the construction activities in close proximity to the critical infrastructure and permit the Contract Administrator to review the proposed construction plans.

E23.3.3 Incomplete or partial submissions will not be reviewed and will be returned to the Contractor for re-submission.

E23.3.4 Allow five (5) Business Days for review by the Contract Administrator.

E23.4 Large Diameter Watermain Operational Limitations

E23.4.1 Large Diameter Watermain shutdowns will not be permitted.

E23.5 Pre-Work, Planning and General Execution

E23.5.1 No work shall commence at the site until the construction method statement has been approved, a pre-construction meeting has been held and the Large Diameter Watermain location has been clearly delineated in the field including centreline alignment, outside limits of the pipe and top elevation of the pipe.

E23.5.2 The Contractor shall ensure that all work crew members understand and observe the requirements of this specification. Prior to commencement of onsite work, the Contractor shall jointly conduct an orientation meeting with the Contract Administrator and with all superintendents, foremen and heavy equipment operators to make all works on site fully cognizant of the limitations of altered loading on the Large Diameter Watermain, the ramifications of inadvertent damage to the Large Diameter Watermain and the constraints associated with work in close proximity to the Large Diameter Watermain.

E23.5.3 For transverse crossings of the Large Diameter Watermain in support of the pavement construction activities, designate crossing locations just beyond the construction site and confine equipment crossing the Large Diameter Watermain at those locations. Reduce equipment speeds to levels that minimize impact loadings.

E23.5.4 For construction work activities either longitudinally or transverse to the alignment of the Large Diameter Watermain, work only with the equipment and in the manner stipulated in the approved construction method statement and the requirements noted herein.

E23.5.5 Subgrade, sub base and base course construction shall be kept in a rut free condition at all times. Construction equipment is prohibited from crossing the Large Diameter Watermain if the grade is insufficient to support the equipment without rutting.

E23.5.6 Granular material, construction material, soil or other material shall not be stockpiled on the Large Diameter Watermain or within 5 metres of the Large Diameter Watermain centreline.

E23.5.7 Where work is in proximity to the Large Diameter Watermain, utilize construction practices and procedures that do not impart excessive vibration loads on the Large Diameter Watermain or that would cause settlement of the subgrade below the Large Diameter Watermain.

E23.6 Demolition and Excavation

E23.6.1 Concrete demolition and removal within 3 metres horizontally of the Large Diameter Watermain shall be completed by saw cutting and removal, or use of hand held jackhammers. Use of machine mounted concrete breakers above the Large Diameter Watermain shall not be permitted.

E23.6.2 Where there is less than 2.5 metres of cover over the Large Diameter Watermain, offset the excavator or excavation equipment from the Large Diameter Watermain, a minimum of 2.5 metres from Large Diameter Watermain centerline, to carry out excavation.

E23.6.3 Where there is less than 1.6 metres of earth cover over the Large Diameter Watermain and further excavation is required either adjacent to or over the Large Diameter Watermain, utilize only smooth edged excavation buckets, soft excavation or hand excavation techniques.

E23.6.4 Excavated materials intended for reuse shall not be dumped directly on the Large Diameter Watermain but shall be carefully bladed into place.

E23.7 Subgrade Construction

E23.7.1 Subgrade compaction shall be limited to static compaction methods.

E23.7.2 Stage work activities to minimize the time period that unprotected subgrade is exposed to the environment and protect the subgrade against the impacts of adverse weather if subbase/base course construction activities are not sequential with excavation.

E23.8 Subbase and Base Course Construction

E23.8.1 Subbase or base course materials shall not be dumped directly on top of the Large Diameter Watermain but shall be carefully bladed into place.

E23.8.2 Subbase compaction shall be either carried out by static methods without vibration or with smaller equipment such as hand held plate packers or smaller roller equipment.

E23.9 Paving

E23.9.1 Vibratory compaction of asphalt pavements *shall* be permitted within 3 m (horizontal) of the center of critical pipelines.

E23.10 Measurement and Payment

E23.10.1 Working in Close Proximity to Critical Water Infrastructure will considered incidental to the Work. No measurement and payment will be made within this section.

DRAWINGS

Replace: 439-2020 _Drawing_P-3532-10 with 439-2020 _Addendum_1_Drawing P-3532-10-R1

439-2020 _Drawing_P-3532-11 with 439-2020 _Addendum_1_Drawing P-3532-11-R1

439-2020 _Drawing_P-3532-13 with 439-2020 _Addendum_1_Drawing P-3532-13-R1