



169 - 2018 ADDENDUM 2

NORTH ST BONIFACE WATER MAIN UPGRADES CONTRACT 1

URGENT

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

ISSUED: March 21, 2018
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20160708

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.

PART B – BIDDING PROCEDURES

Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, March 29th, 2018.

PART E– SPECIFICATIONS

- Add: E9 **WORKING IN CLOSE PROXIMITY TO THE AQUEDUCT**
- Add E9.1 Work around the Aqueduct shall be well planned and executed to ensure that the Aqueduct is not subjected to construction related loads, including excessive vibrations and concentrated or asymmetrical lateral loads during backfill placement.
- Add E9.2 Contractors carrying out pavement construction or working in close proximity to the Aqueduct shall meet the following conditions and technical requirements:
- Add E9.2 (a) The Contractor shall submit a construction method statement to the Contract Administrator to review and approve prior to commencement of construction. No work shall commence at the site until the construction method statement has been approved, a pre-construction meeting has been held and the Aqueduct location has been clearly delineated in the field including centerline alignment, outside limits of the pipe and top elevation of the pipe.
- Add E9.2 (b) 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 workers on site fully cognizant of the limitations of altered loading on the Aqueduct, the ramifications of inadvertent damage to the Aqueduct and the constraints associated with work in close proximity to the Aqueduct.
- Add E9.2 (c) For construction work activities either longitudinally or transverse to the alignment of the Aqueduct, work only with the equipment and in the manner stipulated in the approved construction method statement and the requirements noted herein. Reduce equipment speeds to levels that minimize impact loadings.

- Add E9.2 (d) Granular material, construction material, soil or other material shall not be stockpiled on the Aqueduct or within 5 meters of the Aqueduct centerline
- Add E9.2 (e) Where work is in proximity to the Aqueduct, utilize construction practices and procedures that do not impart excessive vibration loads on the Aqueduct or that would cause settlement of the subgrade below the Aqueduct.
- Add E9.2 (f) Concrete demolition and removal within 3 meters horizontally of the Aqueduct shall be completed by saw cutting and removal, or use of hand held jackhammers. Use of machine mounted concrete breakers above the Aqueduct shall not be permitted.
- Add E9.2 (g) Where there is less than 2.5 metres of cover over the Aqueduct; offset the excavator or excavation equipment from the Aqueduct, a minimum of 2.5 metres from Aqueduct centerline, to carry out excavation.
- Add E9.2 (h) Where there is less than 1.6 meters of earth cover over the Aqueduct and further excavation is required either adjacent to or over the Aqueduct, utilize only smooth edged excavation buckets, soft excavation or hand excavation techniques.
- Add E9.2 (i) Excavated materials intended for reuse, subbase or base course materials shall not be dumped directly on the Aqueduct, but shall be carefully bladed into place.
- Add E9.2 (j) Direct loading of excavated material into trucks should have the trucks positioned at existing grade offset from the Aqueduct a minimum of 5.0 m from the Aqueduct centerline.
- Add E9.2 (k) Subgrade compaction shall be limited to static compaction methods.
- Add E9.2 (l) 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.
- Add E9.2 (m) Subgrade, subbase and base course construction shall be kept in a rut free condition at all times. Construction equipment is prohibited from crossing the Aqueduct if the grade is insufficient to support the equipment without rutting.
- Add E9.2 (n) 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 is subbase/base course construction activities are not sequential with excavation.