



854-2010 ADDENDUM 3

REHABILITATION OF BRIDGE AND REPLACEMENT OF THE MIDTOWN FEEDERMAIN AT THE ASSINIBOINE RIVER

URGENT

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

ISSUED: June 7, 2011
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20070419

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 D – SUPPLEMENTAL CONDITIONS

Revise: D17.1 (b) to read:

The Bidder shall note that portions of the Work involving removal and replacement of the Midtown Feedermain can only be carried out during the time periods between October 1, 2011 and May 20, 2012, unless amended as specified in D17.1(a). The Contractor shall note the following restrictions applicable during this period:

- (i) The Feedermain will not be taken out of service unless all delivery schedules for all Feedermain components, installation hardware and materials are confirmed in writing to the Contract Administrator,

Revise: D18.1 to read:

The Contractor shall achieve critical stages of the Work in accordance with the following requirements:

- (a) Midtown Feedermain Service Restored – May 20, 2012

Replace: D26 with the following:

D26.1 Notwithstanding C13.2, the warranty period shall begin on the date of Total Performance and shall expire two (2) years thereafter unless extended pursuant to C13.2.1 or C13.2.2, in which case it shall expire when provided for thereunder.

D26.2 Notwithstanding C13.2 or D26.1, the Contract Administrator may permit the warranty period for a portion or portions of the Work to begin prior to the date of Total Performance if:

- (a) a portion of the Work cannot be completed because of unseasonable weather or other conditions reasonably beyond the control of the Contractor but that portion does not prevent the balance of the Work from being put to its intended use;

D26.2.1 In such case, the date specified by the Contract Administrator for the warranty period to begin shall be substituted for the date specified in C13.2 for the warranty period to begin.

PART E – SPECIFICATIONS

Add: E3.2 (d) If the Contractor requires removing trees to access the Site or develop laydown areas, the Contractor shall submit a plan to the Contract Administrator for review, a minimum of 14 Calendar Days prior to removal. No removals of trees shall be made without written approval by the Contract Administrator.. The plan shall at a minimum indicate:

- Trees requiring removal, and description of requirement for removal
- Restoration plan and schedule for replacement of trees

The following general limitations shall be considered;

- No trees, other than those indicated on the Construction Drawings, shall be removed from Riverbanks.
- Healthy, mature trees generally larger than 150 millimetre calliper, shall not be removed
- Trees located on private lands, either fully or partially, shall not be removed.

All trees removed shall be replaced on a one for one basis, with the same tree species or alternate species as approved by the Contract Administrator All trees shall be installed and conform to E21, and be maintained under E23. Trees used for replacement shall be a minimum of the same calliper as the tree being replaced, to a maximum of 63 millimetre calliper.

Add: E3.3 Measurement and Payment

E3.3.1 No payment will be made for temporary facilities, or construction of site access, laydown and office facilities, including but not limited to temporary roads, construction pads and tree removals. They shall be considered incidental to the Works.

Add: E9.4 Site River Level Information

9.4.1 Historic River Level Information

(a) Historic River Level Information for the Red River at James Avenue is available on the City of Winnipeg web site at:<http://winnipeg.ca/waterandwaste/drainageFlooding/riverlevels/thisYear.stm>.

(b) James Datum reference is 727.57 feet MSL (221.763 metres, MSL)

(c) Historic River Level and flow data for Red, Assiniboine and tributaries is available at:
http://www.wateroffice.ec.gc.ca/google_map/google_map_e.html?search_by=p&province=MB

9.4.2 Interpretation of Site River Conditions

(a) Assiniboine River levels at the Midtown Feedermain Bridge are in typical flood years, reflective of the Red River at James Avenue, plus approximately 0.3 metres, which will vary based on Assiniboine River flows. Based on a review of the previous 20 years of river level data, the Contractor shall assume in his Bid that water levels at the site will be at an elevation of 226.6 metres MSL or less through March 31 in a calendar year. Water levels above this elevation may adversely affect lower bank staging areas and safe access to the bridge.

(b) In the event that water levels or river conditions prevent safe and reliable access to the Site prior to this date, the dates specified for Substantial Performance and Total Performance will be adjusted by the number of days between the time that the lower Site becomes inaccessible, as defined above, to March 31. The time adjustment, in Calendar Days, will be applied after the date the river levels recede below the level noted above, and safe access to the bridge is restored.

(c) The Contractor shall also schedule completion of all lower bank grading and in-channel work prior to March 15 and in advance of the Spring Freshet.

Revise E13.4.1(a)(ii) to read:

Strengthen all floor beams and straighten the bottom flanges of a few of the existing floor beams that have been bent at the location of the existing clamps for the pipe saddles.

Add: E14.3.2 (b) If the Contractor cannot obtain equipment to apply metalizing to specified thicknesses to all surfaces inside small members, then the Contractor is to provide equivalent protection utilizing "Zinga" or equal in accordance with B6.

Replace: E14.5.1(b) with the following:

The Contractor shall arrange for regular site visits by a representative of the coating manufacturer who shall ensure that the coating is being applied in accordance with the manufacturer's recommendations. The Contract Administrator shall be notified of each such visit and may request additional visits. The Contract Administrator shall be immediately advised of any proposed deviation from this Specification or the manufacturer's requirements. The minimum number of site visits by a representative of the coating manufacturer shall be three (3) with one (1) at start-up and the others as directed by the Contract Administrator."

Delete: E14.5.2 Written Guarantee not required.

Replace: E15.4.1 (b) with the following:

Containment, collection and disposal of spent sandblasting abrasive and new coating overspray (hazardous waste unless proven otherwise by the Contractor). Should the Contractor want to have this waste stream reclassified as non-hazardous waste, the Contractor shall provide additional testing to prove that at their own cost and submit test results to the Contract Administrator for acceptance. Until these test results are found acceptable to the Contract Administrator this waste stream shall be treated as hazardous waste.

Replace: E15.6.1 with the following:

Environmental containment, collection and disposal as defined in this Specification will not be measured. This item or work will be paid for at the Contract Lump Sum price for "Environmental Containment". The payment will be considered full payment for supplying all materials and for performing all operations herein described and all other items incidental to the Work. The Contractor shall provide and pay for monitoring within the enclosure to suit the requirements at Workplace Health and Safety. Any waste stream that is not contained, collected and disposed of shall be cleaned up immediately by the Contractor at their own cost.

Revise: E17.2 (a)(iv) to read:

Supplied lengths shall be selected to minimize field joints. Laying lengths and pipe assembly shall be established such that field insulation kits on welds do not bear on pipe slides.

Revise: E17.2 (d)(ii)(i)) to read

Polyethylene Jacket 4.44 millimetre (175 mil), Urecon U.I.P. or Approved Equal in accordance with B6

Revise: E17.2 (l) (ii)(i) to read:

High Solids liquid epoxy lining conforming to AWWA C210 and detail following;

Revise: E17.2 (l) (ii) (ii) to read:

Acceptable Products Include:

- ◆ SP-7888 from Specialty Polymer Coatings, Inc.
- ◆ Devoe 233H by ICI Paints
- ◆ Tnemec Series 140 F Pota-Pox Plus
- ◆ Or Approved Equal in accordance with B6.

Revise: E17.2 (l) (iii) (i) to read:

High solids liquid epoxy coating conforming to AWWA C210 and detail following;

Replace: E17.3 (f) (iv) with the following:

(iv) Buried Pipe Coupler Closures

- (i) Buried pipe closures shall be accurately measured, cut and installed. Sleeve pipe coupler closures shall be installed as recommended by the manufacturer. Where closure gaps are required for field assembly, install filler segment in pipeline.
- (ii) Pipe closures shall be encased in a minimum of 75mm thick grout coating. Ensure encasement of all pipe and coupler components and exposed steel pipe.

Add: E17.3 (g) Pipe Linings and Coatings

(i) Surface Preparation

- (i) Prepare all surfaces as per AWWA C210 and NACE 2/SSPC SP10. Protect prepared surfaces from moisture and other adverse conditions prior to application of coating system.

(ii) Application

- (i) Notify Contract Administrator a minimum of five (5) Business Days prior to coating application. Provide Contract administrator full access to inspect surface preparation prior to application.
- (ii) Apply coating system as per AWWA C210 and manufacturers written instructions. Ensure that coating systems are applied to conform with NSF61- Drinking Water Health Effects – certification for the applied product
- (iii) Ensure coating system curing temperatures and times permit complete cure prior to immersion.
- (iv) Protect completed coatings from damage due to installation and transport.

(iii) Quality Control

- (i) Conduct all quality control testing in the presence of the Contract Administrator. Notify Contract Administrator a minimum of five (5) business Days in advance of testing.
- (ii) Conduct cure, thickness, holiday and adhesion testing in accordance to AWWA C210. Provide written report of test results, including identifiable tracing number for pipe segments.

Revise: E17.4.2(a) to read:

Connections to Existing Piping will be measured and paid on a unit basis. The price paid for the connection shall be the total number of connections made, in accordance with this specification and shall include all excavations, backfill, removal of existing bulkheads and couplers as listed in Form B Prices “Connect to Existing Piping”. Pipe couplers will be measured and paid separately.

Add: E26.2.1 (c) At the option of the Contractor, and as approved by the Contract Administrator, trees indicated on the Drawings for removal, storage and re-planting may be replaced with the same tree species or alternate species as approved by the Contract Administrator. If this option is selected, all trees shall be installed and conform to E21, and be maintained under E23. Trees used for replacement shall be a minimum of 63 millimetre calliper. Payment will be made as per E26.7.

Replace: 854-2010_Addendum_1_Site_Photos (5 pages) with 854-2010_Addendum_3_Site_Photos (11 pages).

DRAWINGS

Replace: 854-2010 _Drawing_D-12231_r0 with 854-2010 Addendum_3 Drawing D-12231_r1