



980-2011 ADDENDUM 1

INSTALLATION OF CONCRETE CULVERT AT PEMBINA HIGHWAY AND BEAUJOLAIS COULEE

URGENT

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

ISSUED: December 9, 2011
BY: Frank Iwanchuk
TELEPHONE NO. (204) 928-7417

**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 A – BID SUBMISSION

Replace: 980-2011 Bid Submission with 980-2011 Addendum 1 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

- Form B(R1): Add Item A. Mobilization and Demobilization
- Item numbering on Form B: Prices changed as a result.
- Revise Item D.1 (new number E.1).
- Add Item E.2.
- Add Item E.3.

PART D – SUPPLEMENTAL CONDITIONS

Revise: D2.2 to read: The major components of the Work are as follows:

- (a) Site Preparation
- (b) Shear Key Installation
- (c) Trenchless Installation of Concrete Culvert
- (d) Open Trench-Installation of Concrete Culvert
- (e) Inlet and Outlet Construction
- (f) Tie-Ins and Abandonments
- (g) Slope Stabilization Work
- (h) Site Restoration and Cleanup

Revise: D4.1 to read: The Contract Administrator is AECOM Canada Ltd., represented by:

Frank Iwanchuk
Senior Municipal Technician
99 Commerce Drive Winnipeg, MB R3P 0Y7
Telephone No. (204) 928-7417
Facsimile No. (204) 284-2040

- Revise: D14.4.1 to read: If the actual date of award is later than the intended date, the dates specified for Commencement, Critical Stages, Substantial Performance, and Total Performance will be adjusted by the difference between the aforementioned intended and actual dates except if the adjusted dates conflict with D15.2, in which case they will be further adjusted to comply with D15.2.
- Revise: D15.2 to read: The critical stage is based on Department of Fisheries and Oceans requirement to not permit any in-channel construction activity from April 1 – June 15. In-channel construction is assumed to include all Work located below elevation 227.75 m or Work that could impact fish spawning during the critical April 1 to June 15 spring migration window.
- Revise: D18.1 (b) to read: Substantial Performance – one thousand five hundred dollars (\$1,500);

PART E – SPECIFICATIONS

- Revise: E6.2.1 (h) (ii) to read: Remove all temporary erosion protection devices (silt fences and silt screens)
- Revise: E7.1 (a) to read: This specification shall cover the installation of the concrete culvert at Beaujolais Coulee crossing Pembina Highway by means of trenchless and open-cut methods.
- Revise: E7.3.2 (a) to read: At least two (2) days prior to the commencement of any scheduled Work on the Site, the Contractor shall submit to the Contract Administrator for review and approval a proposed schedule, including methods and sequence of operations.
- Revise: E10. to read: **E10. MAINTAIN EXISTING COULEE FLOWS, SEWER FLOWS, FLOW CONTROL DIVERSIONS AND BYPASS PUMPING**
- E10.1 Description
- (a) This specification shall cover the maintaining of flows in the existing land drainage system including Beaujolais Coulee through Pembina Highway and will supplement Standard Specification CW 2130 for Gravity Sewers.
 - (b) The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all works as hereinafter specified.
- E10.2 Materials
- (a) The Contractor shall be responsible for the supply, safe storage and handling of all materials as set forth in this Specification. All material shall be handled in a careful and workmanlike manner.
- E10.3 Construction Methods
- (a) The Work Shall include, but not limited to:
 - (i) Planning the Work to identify when and how the in-stream work will be carried out. It is the intent to carry out the work during the winter when flows are minimal and provisions to maintain stream flows is less.
 - (ii) Design of the creek flow maintenance methods including the preparation and submission for review and approval by the Contract Administrator of a Creek Flow Maintenance Plan comprised of drawings and/or description of the maintenance methods.

- (iii) Maintenance of the creek flows for the duration of construction.
 - (iv) Removal of materials and/or equipment needed to maintain creek flows, at the end of their use.
 - (v) Confinement of suspended matter in the creek water generated at the site in accordance with Specification E16 Waterways Protection.
- (b) The Contractor must comply with all regulatory provisions including the requirements stated in any DFO guidelines/regulations or permits.
 - (c) It is conceived that the Contractor will complete the work using the existing culvert at Pembina Highway to pass the flows without the need for temporary by-pass pumping at this location.
 - (d) It is also conceived that the Contractor may install a berm at the upstream limit of other sections of Work and install and maintain temporary by-pass pumps to handle the flows in order to install the Work "in-the-dry". The Contractor shall be required to supply and operate at least 1-100 mm diameter flood pump.
 - (e) If the flows encountered during the period between January 1, 2012 and March 15, 2012 exceed the capacity of the 1-100 mm diameter flood pump, and the Contractor has complied with all other requirements of this Specification, the Contractor will be reimbursed for any additional diversion works, as approved by the Contract Administrator in accordance with CG:7.4 (c).
 - (f) It is also conceived that once an in-stream section of the Works has been installed and approved by the Contract Administrator, the Contractor may then use that completed section of the Works to temporarily or permanently flume the flows through that completed section without the need to maintain by-pass pumping.
 - (g) Berms or cofferdams if used shall be constructed of non-erodible material along the faces that will be exposed to the flow. Non-erodible material may include the 150 mm down crushed limestone backfill material specified on the west and east embankments.
 - (h) Between the dates of April 1 and June 15 of any given year, fish shall be afforded full access through the Site via a naturally flowing channel. In this time period, no construction activity impacting the coulee affecting fish mobility or habitat will be permitted.

E10.4 Measurement and Payment

- (a) Creek flow maintenance will be considered incidental to E20 Mobilization and Demobilization and no additional measurement or payment will be made.

Revise: E15.4 to read:

The following web site link <http://winnipeg.ca/waterandwaste/sewage/riverlevels/pastYears.stm> lists historic Red River levels month by month back to 1999. The elevations shown are in imperial measurement and are referenced to "James Avenue Datum" which is elevation 221.76 geodetic. Red River levels at the location of this river crossing will be approximately 300 millimetres higher than the elevations listed at James Avenue Datum within NSWL and NWWL. During flood events, Red River levels at this location could be 1.0 m to 2.0 m higher than elevations listed at James Avenue Datum.

Revise: E18.4.1 to read: Supply and installation of rip-rap will be measured and paid for on a volume basis. The volume to be paid for shall be the total number of cubic metres of riprap delivered and placed in accordance with this Specification and as accepted by the Contract Administrator. Payment shall be at the Contract Unit Price "Supply and Placement of Rip-rap".

Add: E20.

E20. MOBILIZATION AND DEMOBILIZATION

E20.1 Description

- (a) This Specification shall cover all operations relating to the mobilization and demobilization of the Contractor to the Site, as specified herein.
- (b) The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all works as hereinafter specified.

E20.2 Materials

- (a) The Contractor shall be responsible for the supply, safe storage and handling of all materials as set forth in this Specification.

E20.3 Construction Methods

- (a) The Contractor shall obtain written permission from private property owners for any use of private property beyond what is shown on the Drawings. A copy of written permission shall be provided to the Contract Administrator prior use of the property in question.
- (b) A construction fence shall be setup and maintained around the perimeter of the work site to separate the work area from public spaces and private property. An orange snow-fence with regularly spaced posts is acceptable.
- (c) The Contractor's Site supervisor is required to carry, at all times, a cellular telephone, with voice mail.
- (d) This section also includes travel and accommodation, set-up and demobilization of site offices, storage conveniences and other temporary facilities, construction plant, and other items not required to form part of the permanent works and not covered by other prices.

E20.4 Measurement and Payment

- (a) Mobilization and demobilization will be paid for on a Lump Sum basis under "Mobilization and Demobilization," which price will be payment in full for supplying all materials and performing all operations herein described and all other items incidental to the Work included in this Specification and accepted by the Contract Administrator.
- (b) Mobilization and demobilization will be paid for at a percentage of the Contract Lump Sum Price for "Mobilization and Demobilization" specified as follows:
 - (i) 30% when the Contract Administrator is satisfied that construction has commenced.
 - (ii) 60% when Substantial Performance has been met.
 - (iii) 10% upon completion of the project.

Add: E21.

E21. CHAIN LINK FENCE AND GUARDRAIL REMOVAL AND REINSTALLATION

E21.1 Description

- (a) This Specification covers the removal and reinstallation of the chain link fence and guardrail at the top of the west embankment of Pembina Highway and will supplement Standard Construction Specification CW 3550 and CW 3650.

E21.2 Materials

- (a) All Materials supplied under this Specification shall be of a type approved by the Contract Administrator, and shall be subject to inspection and testing by the Contract Administrator.

E21.3 Construction Methods

- (a) The Contractor shall remove and salvage the existing chain link fence and guardrail, as required, in order to allow adequate access to carry out the Work of the Contract.
- (b) The Contractor shall re-install the existing chain link fence upon completion of the Work of the Contract. Any existing parts of the original fence deemed to be in disrepair shall be replaced.
- (c) The Contractor shall re-install the guardrail to original condition upon completion of the Work of the Contract.

E21.4 Measurement and Payment

- (a) The removal and re-installation of chain link fence will be paid for at the Contract Unit Price per linear metre for "Removal and Re-Installation of Existing Chain Link Fence", measured as specified herein, which price shall be payment in full for performing all operations herein described and all other items incidental to the work included in this Specification.
- (b) The removal and re-installation of guardrail will be paid for at the Contract Unit Price per linear metre for "Removal and Re-Installation of Existing Guardrail", measured as specified herein, which price shall be payment in full for performing all operations herein described and all other items incidental to the work included in this Specification.

DRAWINGS

Replace: 980-2011 _Drawing_C311-12-02-R0 with 980-2011 _Addendum_1 Drawing_C311-12-02-R1.

980-2011 _Drawing_C311-12-03-R0 with 980-2011 _Addendum_1 Drawing_C311-12-03-R1.

980-2011 _Drawing_C311-12-04-R0 with 980-2011 _Addendum_1 Drawing_C311-12-04-R1.

APPENDICES

Add: APPENDIX C – Cross Section of Stabilization Works (1 page)