



772-2017 ADDENDUM 6

FERMOR AVENUE BRIDGE OVER SEINE RIVER – BRIDGE REHABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE’S ROAD TO ARCHIBALD STREET

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
REQUEST FOR PROPOSAL**

ISSUED: March 22, 2018
BY: Jeffrey Crang, P.Eng., PTOE
TELEPHONE NO. 204 - 453-2301

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE REQUEST FOR PROPOSAL AND
SHALL FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: Ar20160708

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

PART A – BID SUBMISSION

Replace: 772-2017 Bid Submission_Addendum 5 with 772-2017 Bid Submission_Addendum 6 . The following is a summary of changes incorporated in the replacement Bid Submission:

Form B(R4): Revise line items: A.9 (i) and E.42 (iii)
 Deleted line items: E.67 (i), (ii) and (iii)

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

PART B – BIDDING PROCEDURES

Revise: B12.3 to read: The Bidder and/or any proposed Subcontractor (for the portion of the Work proposed to be subcontracted to them) shall:

- a) have successfully carried out Work similar in nature, scope and value to the Work;
- b) be fully capable of performing the Work required to be in strict accordance with the terms and provisions of the Contract;
- c) have a written workplace safety and health program if required pursuant to The Workplace Safety and Health Act (Manitoba);
- ~~d) have successfully carried out at least three (3) deep excavations to the level that groundwater pressures have to be mitigated with construction means, methods, techniques, and equipment that are consistent with the proposed method of excavation, shoring, and dewatering detailed in the Specifications;~~
- ~~e) employ key staff who have successfully carried out at least three (3) deep excavations to the level that groundwater pressures have to be mitigated with construction means, methods, techniques, and equipment that are consistent with the proposed method of excavation, shoring, and dewatering detailed in the Specifications.~~

PART D – SUPPLEMENTAL CONDITIONS

Add: D18.4 The Contractor is advised that the City of Winnipeg - Bridge Operation Department will net the underside of the bridge prior to May 1, 2018 as the initial mitigation measures to prevent barn swallows from nesting on the structure, prior to the 2018 construction Work. This change in the scope of Work that is undertaken by the City shall not relieve or discharge the

Contractor from any obligation or full responsibility for monitoring, maintenance, proper operation, or re-installation of the Work under the Contract.

- Add: D18.5 The Contractor shall adjust the bird netting installed by the City as required throughout the duration of the Work to suit the Contractor's activities. However, at no point shall the bird netting be compromised allowing birds to enter and nest within the netted portion of the bridge structure. Should the Contract Administrator determine that the bird netting has been damaged (from hydrodemolition blow-throughs or other means) or requires adjusting to adequately prevent birds from nesting on the bridge structure, the Contractor shall repair and adjust the netting in an acceptable manner to the satisfaction of the Contract Administrator. No additional payment will be made for readjusting or repairing inadequate or damaged netting.
- Revise: D19.1 to read In addition to the provisions outlined in Section D17, the Contractor is advised that a DFO Letter of Advice was issued for the works on March 21, 2018, and the measures outlined in the DFO Letter of Advice will be required for the Works to maintain legal compliance with the federal Fisheries Act and Species At Risk Act. The DFO Letter of Advice is provided in Appendix 'P' – the "Implementation of Measures to Avoid and Mitigate Serious Harm to Fish and Prohibited Effects on Listed Aquatic Species at Risk" shall be implemented and maintained by the Contractor, including appropriate site isolation, sediment and erosion control measures, a fish rescue and relocation, and other appropriate mitigation measures. No measurement and payment will be made for Work required as outlined in Appendix 'P' and shall be considered incidental.
- Revise : D19.2 to read: In addition, the Contractor is advised that a copy of previously released DFO Manitoba Operational Statements (OPS), as outlined in Appendix 'Q', are provided for information purposes on mitigation measures and best management practices for the Works.
- Delete: D30.1 (a) (ii)
- Delete: D34.1 (a) (ii)

PART E – SPECIFICATIONS

- Delete: E15.
- Revise: E21.3.2 to read: Interlocking Paving Stones:
- (a) Concrete interlocking paving stones (unit pavers) for bus stop indicator paver squares, are as shown on the Drawings and as follows:
- (i) ~~Blue Holland Pavers 200 x 200 x 60 mm or approved equal~~ **Blue Holland Pavers 105 x 210 x 60 mm.**
- Revise: E21.7.1 (b) to read: Items of Work
- (iii) ~~Transit Blue Holland Paver 200 x 200 x 60 mm~~ **105 x 210 x 60 mm.**
- Revise E55.3.3 (a) (ii) to read: The Contractor shall submit at a minimum, the test data to prove that the minimum compressive strength, flexural strength for Fibre Reinforced Concrete (FRC) only, air content, and slump of the concrete to be supplied meets or exceeds the performance criteria. In addition, test data shall be submitted to support requirements for post-cracking residual strength index (Ri) and fibre dispersion in accordance with ~~the Canadian Highway Bridge Design Code (CHBDC) CAN/CSA-S6-14, Section 16, Fibre Reinforced Structures, Clause 16.6. Notwithstanding CHBDC Section 16, Clause 16.6, testing for Ri of concrete shall be completed in accordance with~~ E55.7.5(e).
- Add E55.4.31 (a) (i): Approved Equal Product: 501 SEALMASTIC.
- Add: **E100 GRAFFITI COATING**

- E100.1 Description
- E100.1.1 Scope of Work
- (a) The work comprises the furnishings of all labour, equipment, services and materials required to complete the application of graffiti coating on all vertical concrete surfaces including but not limited pier locations.
- E100.2 Submittals
- E100.2.1 Include sample of materials
- (a) Provide product data on specified product, describing physical characteristics and maintenance instructions.
- E100.3 Materials
- E100.3.1 The Contractor shall be responsible for the supply, safe storage, and handling of all materials as set forth in this Specification. All materials shall be handled in a careful and workmanship like manner, to the satisfaction of the Contract Administrator.
- E100.3.2 Paint: Cloverdale Ecologic (Paint Code: BLK 3P38, YOX 1P4, OXR OP8).
- E100.3.3 Accessories and Application Equipment: As per manufacturers Specifications.
- E100.4 Construction Methods
- E100.4.1 General
- (a) Surface Preparation and application of graffiti coating to be executed as per manufacturers Specification.
- (b) Surface Preparation: Remove all loose particles, laitance, oil, grease, form release agents and any other contaminants. New concrete and masonry must be allowed to cure for a minimum of twenty-eight (28) days. Before painting, roughen the surface by abrasive blasting, acid etching or scarifying
- (c) Due to the rapid dry of this coating only small areas may be coated by brush, applicator pad or roller. Care must be taken to achieve the specified wet and dry film thickness. Uniform even coats must be obtained.
- (d) Contractor to install Graffiti Coating on cleaned concrete surface.
- (e) Graffiti Coatings to be installed as per manufacturer's Specifications and as directed by Contract Administrator on site.
- E100.5 Measurement and Payment
- E100.5.1 Graffiti coating will be considered incidental to the Contract and there will be no measurement and payment item for this portion of Work.

DRAWINGS

Replace: 772-2017 _Drawing_CS-044-R0 with 772-2017 _Addendum_6 Drawing_CS-044-R1

QUESTIONS AND ANSWERS

Q. 1.0: Please clarify requirements for sealed engineered drawings for the containment hoarding? Is this in reference to the platform, or the actual hoarding system itself?

A 1.0: The design drawings to be sealed by a Professional Engineer registered in the Province of Manitoba are required for the structural aspects of the proposed containment hoarding system. Whether scaffolding, under bridge platform, or other structural system is selected, the system shall be designed and sealed drawings shall be provided as indicated in E74 of the Specifications. The Contractor shall also provide details for the remainder of the proposed containment hoarding system for the Contract Administrator's review and approval.

- Q. 2.0: *Are the new splice plate contact surfaces to be metalized before assembly? Is the exposed topside of the top flange to be metalized as far as practical? (Reference Drawing CS-030)*
- A.2.0: Yes, new splice plate contact surfaces shall be metalized before assembly. Yes, expose topside of the top flange to be metalized as far as practical.**
- Q. 3.0: *What are the limits of surface preparation and metalizing in and around the then cable duct support attachments? Are the existing attachments to be relocated sufficient to allow full paint removal and recoating of the steel girder surfaces?*
- A.3.0: The access for steel girders in and around the cable duct support attachments will be coordinated in the field between the Contractor and BellMTS.**
- Q.4.0: *Can an outfall detail be provided for the weeping tile behind the bridge abutments, where they pass through the wingwalls?*
- A.4.0: The sub-drain shall extend beneath the wingwall and behind the abutment and generally daylight onto the riprap headslope. The exact details are to be confirmed on-site.**
- Q 5.0: *Is the removal of existing Graffiti required on the existing substructure elements that are to remain?*
- A.5.0: The removal of all existing graffiti on the existing bridge structure is required by means and methods acceptable to the Contract Administrator. Please refer to Specification E100 –Graffiti Coating in this Addendum.**
- Q.6.0: *Has the cable duct material been identified? Is it an asbestos containing material?*
- A.6.0: BellMTS indicated there is Transite pipe, which is an Asbestos pipe suspended underneath the bridge. Cable ducts that are concrete encased are from 1959 and are known as Fibre Duct. The Contractor shall not damage or disturb the BellMTS ducts during the works.**
- Q. 9.0. *Can PDF copies of drawings of the existing structure, and any alterations thereto, be provided?*
- A.9.0: Yes, please refer to Appendix M, Appendix N, and Appendix O attached in this Addendum.**
- Q.10.0: *Confirm if a (black) A325 bolt is to be provided for stainless insert Mk Q1 (Drawing CS-044).*
- A.10.0: The stainless steel pre-set anchors for the aluminum pedestrian handrail shall be provided complete with Type 304 stainless steel anchor bolts (not A325 anchor bolts). Please refer to 772-2017_Addendum 6_Drawing_CS-044-R1**
- Q.11.0: *B12.3 and D22 section refers to experience required with dewatering/deep excavation. Where will dewatering be required?*
- A.11.0: Generally, as per D22 of the Specifications, dewatering may be required during the pedestrian-cyclist underpass construction, during construction of the granular ribs and/or during any other excavations required as part of the project. The deep excavation qualification requirements identified in B12.3 (d) and (e) have been removed in this Addendum.**
- Q 12.0 *Has the slope stability of the existing fill in front of the abutments been considered w.r.t. the pressures generated by the temporary jacking supports (Reference CS-014)?*
- A.12.0: Yes, the maximum allowable pressures provided on DWG CS-014 were determined based on a geotechnical analysis considering the slope stability of the headslopes. The Contractor shall not exceed the prescribed maximum allowable pressures as this may result in potential slope instabilities.**
- Q.13.0: *Is pedestrian or cyclists access through or under the existing structure to be maintained?*
- A.13.0: During Stage 1 of the bridge construction, pedestrian/cyclist access is not expected to be maintained along the north side of the bridge. Upon completion of Stage 1 of the bridge construction, the north sidewalk and pathways leading to and from the bridge shall be opened and operational for the remainder of the project.**

APPENDICES

- Add: Appendix "M" – 180-8" Steel and R.C Bridge Trans-Canada Highway over Seine River Lot 320 in R.C. Mission City of St. Boniface Lot 113 Parish of St. Vital (1952 Record Drawings)
- Add: Appendix "N" - Trans-Canada Highway No. 1 East Bridge Widening over Seine River (1969 Record Drawings)
- Add: Appendix "O" – T.C.H No. 1 East Bridge over Seine River Deck Rehabilitation, Superstructure Strengthening and related Works (1984 Record Drawings)
- Add: Appendix "P" – Implementation of Measures to Avoid and Mitigate Serious Harm to Fish and Prohibited Effects on Listed Aquatic Species at Risk
- Add: Appendix "Q" – DFO Manitoba Operation Statement