Winnipeg

Corporate Finance Department
Purchasing Division

295-2025 ADDENDUM 3

LAGIMODIERE TWIN OVERPASSES OVER CPKC KEEWATIN REHABILITATION AND RELATED WORKS: CONTRACT 2 – BRIDGE STRUCTURES, ROADWORKS, AND LAND DRAINAGE

ISSUED: 2025-09-17
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URGENT

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

THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID/PROPOSAL AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: Add 2024-02-01

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

PART D – SUPPLEMENTAL CONDITIONS

Revise: D20.1 to read: At this time it is the Contract Administrator's understanding that bird species currently listed as threatened species on Schedule 1 of the Federal Species at Risk Act (SARA) have not been observed at the Site. Therefore, mitigation measures to protect nesting bridge in accordance with the Federal Migratory Birds Convention Act is not required. If this changes over the course of construction, the Contract Administrator will work with the Contractor to develop and implement mitigation measures at extra work to the Contract.

Delete: D20.2 and D20.3

PART E – SPECIFICATIONS

Revise E3.9.1 (a)(iv) to read: upon completion of Part 1 Works are ready for their intended use and open to traffic ten percent (10%) of Part 1 Mobilization and Demobilization. Upon Substantial Performance ten percent of Part 2 Mobilization and Demobilization.

Revise: E7.1(c) to read: The building shall have a minimum floor area of 67 square meters, a height of 2.4 meters. The building shall have a minimum of two (2) windows for cross ventilation and a door entrance with a suitable lock.

Revise: E10.2(a) to read: The covered walkway system shall be designed by, prepared by, and bear the seal and signature of a Professional Engineer (Design Engineer) registered in the Province of Manitoba. Detailed drawings, specifications and design notes for the covered walkway, bearing the seal and signature of the Design Engineer shall be submitted by the Contractor to the Contract Administrator at least seven (7) calendar days prior to the start of any protection system installation in accordance with Specification E2 "Shop Drawings". The submission of the protection covered detailed drawings, specifications and design notes to the Contract Administrator shall in no way relieve the Contractor of full responsibility for the design and safe and effective functioning of the covered walkway.

Revise: E10.2(b) to read: The Contractor shall provide the Contract Administrator with proof that the covered walkway is installed in accordance with the detailed drawings and specifications. This proof shall be in the form of a letter bearing the seal and signature of covered walkway's

Design Engineer certifying that the covered walkway Design Engineer has carried out a personal inspection of the installation, and that the installation is in accordance with the design.

Delete: E10.2(c)

Revise: E13.4(a) to read: The protective systems shall be designed by, prepared by, and bear the seal and signature of a Professional Engineer (Design Engineer) registered in the Province of Manitoba. Detailed drawings, specifications and design notes for the protective systems, bearing the seal and signature of the Design Engineer shall be submitted by the Contractor to the Contract Administrator at least seven (7) calendar days prior to the start of any protection system installation in accordance with Specification E2 “Shop Drawings”. The submission of the protection system detailed drawings, specifications and design notes to the Contract Administrator shall in no way relieve the Contractor of full responsibility for the design and safe and effective functioning of the protective system.

Revise: E13.4(b) to read: The Contractor shall provide the Contract Administrator with proof that the protective systems are installed in accordance with the detailed drawings and specifications. This proof shall be in the form of a letter bearing the seal and signature of protective systems’ Design Engineer certifying that the protective system Design Engineer has carried out a personal inspection of the installation, and that the installation is in accordance with the design.

Delete: E13.4(c)

Revise: E13.7(c) to read: It can be suspended from the existing superstructure, supported from the existing ground, or otherwise. Any stay-in-place anchorages that are installed shall be stainless steel and shall be set back a minimum of 12 mm from the exposed surface, except as described in E23.6.10(d), and subsequently grouted with a high quality grout per E23.26. The details of any proposed anchorages or attachments to the existing structure shall be included in the submitted drawings of the temporary protective system, and subject to the approval of the Contract Administrator.

Delete: E16.6(a)(i)

Revise: E22.8(e) to read: Tie wire shall be the following:

(i) Black, soft-annealed wire or Nylon coated wire for black steel reinforcing; and,
(ii) Stainless steel, fully annealed sire, Type 316 or 316L for stainless steel reinforcing

Revise: E23.6.10(d) to read: Components of the temporary girder bracing are permitted to remain permanently in the new concrete deck, provided that:

- Proper concrete cover is maintained;
- Any material that extends above mid-depth of the concrete deck is made of a suitable non-corrosive material;
- Proper spacing around components and deck reinforcing is maintained to permit flow of concrete and aggregate; and
- There are no long term negative effects on the permanent structure, such as but not limited to contact of dissimilar metal not including the use of stainless steel and black steel, subject to the approval of the Contract Administrator.

Revise: Table E23.1 to read:

Type of Concrete	Location	Nominal Compressive Strength [MPa]	Class of Exposure	Air Content Category	Max Aggregate Size	Special Requirements	Minimum Post-Cracking Residual Strength Index
Type 1	Bridge Superstructure, Structural Slabs, Approach Slabs	35 @ 28 Days	C-1	1	20 mm	Synthetic Fibres	0.15
Type 2	Slope paving	35 @ 28 Days	C-1	1	20 mm	Synthetic Fibres	0.15
Type 3	Abutment and Pier Modifications, Grade Beams	35 @ 28 Days	C-1	1	20 mm		

Revise: E23.35(a) to read: Dampproofing materials shall be applied to all new buried concrete surfaces in contact with the soil to within 300 mm of Finished Ground Elevation, with the exception of those surfaces cast directly against the soil or in contact with prefabricated drainage composite. This shall include but not be limited to wingwalls and grade beams. Dampproofing shall also be applied to all existing buried concrete surfaces in contact with the soil within 300 mm of Finished Ground Elevation that are exposed during construction activities. The Contract Administrator shall review the condition of all buried existing concrete surfaces and shall confirm where new dampproofing shall be required. This shall include, but not be limited to existing wingwalls, abutment backwalls, and abutment footings. Dampproofing materials shall be mineral colloid emulsified asphalt complying with Canadian General Standards Board Specification No. 37.16-M89. Acceptable products are Henry/Bakor 710-11 Premium Grade Foundation Coating as manufactured by Henry Company Canada, 7103 Fibered Waterproofing, as manufactured by Innovative Manufacturing, or equal as accepted by the Contract Administrator, in accordance with B6 “Substitutes”.

Revise: E23.35(c) to read: Primer for dampproofing shall be asphalt primer, penetrating type conforming to CGSB 37-GP-9Ma. Acceptable products are Bakor Penetrating 910-01 Asphlat Primer as manufactured by Bakor Inc., Insulmastic 7501 C/B Roof & Foundation Primer, or equal as accepted by the Contract Administrator, in accordance with B6 “Substitutes”.

Delete: E23.55(a)(ii)

Revise: E25.6 (b) to read: The concrete mix shall meet the latest edition of CSA A23.1 Cl. 8.8.2 Low Shrinkage requirements.

Revise: E28.1 (a)(ii) to read: Supply and installation of structural slab bearings, plates with studs, stainless steel plates, and neoprene pad system as shown on the Drawings.

Add: E28.6(f) to read: The coefficient of friction of the sliding surface of the expansion bearings shall be no greater than 5% of the unfactored dead load at all bridge service temperatures.

Revise: E28.9(a) to read: Anchor bolts shall be grouted with Sikadur®-31 Hi-Mod Gel, or approved equivalent in accordance with B7 “Substitutes”.

Revise: E30.4.1 to read: The Contractor shall submit the following to the Contract Administrator, in accordance with this Specification:

(a) The Contractor shall submit to the Contract Administrator detailed Shop Drawings for the FRP strengthening and all associated components that are stamped, signed and dated by a Professional Engineer registered or licensed to practice in the Province of Manitoba in accordance with E2, “Shop Drawings”.

(b) The Contractor shall submit to the Contract Administrator documentation of all Quality Control testing undertaken for FRP strengthening as specified herein.

(c) The Contractor shall submit to the Contract Administrator the installation methods they intend to use to install the FRP strengthening for approval at least twenty (20) days prior to starting any FRP installation. The installation procedure will be subject to review by the Contract Administrator and the FRP supplier.

(d) The Contractor shall submit to the Contract Administrator any proposed repair procedures for damaged areas of FRP strengthening for approval seven (7) days prior to proceeding with the repair.

Revise: E30.5.2 to read: FRP Wrap

(a) FRP wrap shall be of a type to satisfy the shear strengthening requirements as noted. FRP composite system shall have a current ICC evaluation report compliant with the 2012 IBC.

(b) All proposed materials for the FRP strengthening shall be submitted to the Contract Administrator for review and approval.

Revise: E30.7.2 to read: Design, Fabrication, and Supply

(a) The FRP strengthening details shown on the Drawings are for illustration purposes only. The Contractor is responsible for the design, supply, preparation, and installation of the FRP. The design of the FRP strengthening shall be provided to increase the shear capacity of the existing prestressed concrete girders by 400kN within the limits as defined on the drawings. Design of the FRP strengthening shall include design of anchorage into the girder concrete.

(b) The overall width, orientation, spacing, and anchorage details of the FRP wrap and FRP anchors to provide the required shear strengthening shall be designed by the Contractor.

Revise: E30.7.5 (a) to read: The exterior faces of the exterior bridge girders shall be coated their full length with the City’s Standard anti-graffiti paint, or equivalent approved in accordance with B6 “Substitutes” to match the colour of the FRP Strengthening coating as required in E30.5.4.

Revise: E31.4 to read: Submittals

(a) The Contractor shall submit to the Contract Administrator for review and approval, at least ten (10) Business Days prior to the commencement of any scheduled Work on the Site, a proposed schedule, including methods and sequence of operations.

(b) The Contractor shall submit to the Contract Administrator for review and approval, at least ten (10) Business Days prior to the commencement of any scheduled Work on the Site, the proposed material(s) to undertake the Work. Data submitted shall summarize the physical, mechanical, and chemical characteristics of the material.

(c) The Contractor shall submit to the Contract Administrator for review and approval, at least 10 Business Days prior to the commencement of fabrication, a complete set of Shop Drawings sealed, signed, and dated by a Professional Engineer registered or licensed to practice in the Province of Manitoba in accordance with E2 “Shop Drawings”. No fabrication shall commence until acceptance of the shop drawings from the Contract Administrator has been obtained. The Contractor shall indicate on the Shop Drawings the necessary material specifications for all materials to be used, fabrication details and proposed field splice details of the steel components. Applicable welding procedures, stamped as approved by the Canadian Welding Bureau, shall be attached to the Shop Drawings.

(d) The Contractor shall submit to the Contract Administration for review and approval, at least 10 Business Days prior to commencement of fabrication, copies of Mill Test Certificates showing chemical analysis and physical tests of all steel. Steel without this certification will be rejected.

(e) The Contractor shall submit to the Contract Administration for review and approval, at least 10 Business Days prior to commencement of fabrication, copies of all Quality Control tests and material tests, including all chemical analysis and physical tests, for all materials, as specified in this Specification.

Revise: E41.6(a) to read: The work of this Contract has been developed based on work being completed under flagging protection. Track Blocks may be requested, however may not be granted by CPKC. Minimum gaps in railway traffic of four hours are required and proposed for girder raising/lowering for bearing replacement and girder FRP strengthening. Track Block requests or scheduled gaps in railway traffic shall be confirmed based on the Contractor’s Construction Plan submission to CPKC.

Revise: E41.6(b) to read: Except for a Track Block or scheduled railway traffic stoppages, all work executed within the CPKC Right-of-Way by the Contractor shall be carried out ensuring the continued safe movement of rail traffic. The Contractor can undertake approved work within CPKC operating corridor by obtaining direction throughout the work shift from the CPKC flagperson and will need to plan their work so as not to interfere with train operations. The Contractor shall be liable for the cost of train delays and for the cost of repairs to the track as a result of damage caused by their operation.

Revise: E41.6(c) to read: Track Blocks can be requested by the Contractor through the Contract Administrator. The Contractor shall submit a written request (Construction Plan; CPKC – Flagging Application Form Engineering Services Canada 2025) to CPKC four (4) weeks in advance of the requested date. CPKC Flagging Application document shall be used for flagging and Track Block requests. The Contractor shall provide a detailed explanation of what the outage is for, a work plan and details of how they expect to complete the work and return the track to service at the end of the track outage. The request will then be negotiated with CPKC to obtain the Track Block that fits CPKC’s operating requirements and the work schedule of the Contractor. The Contractor shall note that track closures may be scheduled on holidays, weekends, and during night time, subject to CPKC’s train schedule.

DRAWINGS

Replace: 295-2025 _Drawing_B123-25-1004-R0 with 295-2025_Addendum_3_Drawing_B123-25-1004-R1

Replace: 295-2025 _Drawing_B123-25-2104-R0 with 295-2025_Addendum_3_Drawing_B123-25-2104-R1

Replace: 295-2025 _Drawing_B123-25-2105-R0 with 295-2025_Addendum_3_Drawing_B123-25-2105-R1

Replace: 295-2025 _Drawing_B123-25-2107-R0 with 295-2025_Addendum_3_Drawing_B123-25-2107-R1

Replace: 295-2025 _Drawing_B123-25-2108-R0 with 295-2025_Addendum_3_Drawing_B123-25-2108-R1

Replace: 295-2025 _Drawing_B123-25-2116-R0 with 295-2025_Addendum_3_Drawing_B123-25-2116-R1

Replace: 295-2025 _Drawing_B123-25-2120-R0 with 295-2025_Addendum_3_Drawing_B123-25-2120-R1

Replace: 295-2025 _Drawing_B123-25-2121-R0 with 295-2025_Addendum_3_Drawing_B123-25-2121-R1

Replace: 295-2025 _Drawing_B123-25-2123-R0 with 295-2025_Addendum_3_Drawing_B123-25-2123-R1

Replace: 295-2025 _Drawing_B123-25-2145-R0 with 295-2025_Addendum_3_Drawing_B123-25-2145-R1

Replace: 295-2025 _Drawing_B123-25-2204-R0 with 295-2025_Addendum_3_Drawing_B123-25-2204-R1

Replace: 295-2025 _Drawing_B123-25-2205-R0 with 295-2025_Addendum_3_Drawing_B123-25-2205-R1

Replace: 295-2025 _Drawing_B123-25-2207-R0 with 295-2025_Addendum_3_Drawing_B123-25-2207-R1

Replace: 295-2025 _Drawing_B123-25-2208-R0 with 295-2025_Addendum_3_Drawing_B123-25-2208-R1

Replace: 295-2025 _Drawing_B123-25-2216-R0 with 295-2025_Addendum_3_Drawing_B123-25-2216-R1

Replace: 295-2025 _Drawing_B123-25-2220-R0 with 295-2025_Addendum_3_Drawing_B123-25-2220-R1

Replace: 295-2025 _Drawing_B123-25-2221-R0 with 295-2025_Addendum_3_Drawing_B123-25-2221-R1

Replace: 295-2025 _Drawing_B123-25-2223-R0 with 295-2025_Addendum_3_Drawing_B123-25-2223-R1

Replace: 295-2025 _Drawing_B123-25-2245-R0 with 295-2025_Addendum_3_Drawing_B123-25-2245-R1

APPENDICES

Replace: Appendix E