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Travaux publics et Services gouvernementaux
Canada
Place Bonaventure, portail Sud-Oue
800, rue de La Gauchetière Ouest
7e étage, suite 7300
Montréal
Québec
H5A 1L6
FAX pour soumissions: (514) 496-3822

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

**Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution
Travaux publics et Services gouvernementaux Canada
Place Bonaventure, portail Sud-Oue
800, rue de La Gauchetière Ouest
7e étage, suite 7300
Montréal
Québec
H5A 1L6

| | |
|---|--|
| Title - Sujet Canal St-Anne-Bellevue ph. 2 Rehab | |
| Solicitation No. - N° de l'invitation EE520-183281/A | Amendment No. - N° modif. 002 |
| Client Reference No. - N° de référence du client R.077243.410 | Date 2018-05-23 |
| GETS Reference No. - N° de référence de SEAG PW-\$MTC-560-14847 | |
| File No. - N° de dossier MTC-8-41004 (560) | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-06-01 | |
| F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/> | |
| Address Enquiries to: - Adresser toutes questions à: Ghali, Camille | Buyer Id - Id de l'acheteur mtc560 |
| Telephone No. - N° de téléphone (514) 607-2190 () | FAX No. - N° de FAX () - |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: | |

Instructions: See Herein

Instructions: Voir aux présentes

| | |
|--|--|
| Delivery Required - Livraison exigée | Delivery Offered - Livraison proposée |
| Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur | |
| Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur | |
| Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie) | |
| Signature | Date |

Amendment No. 2

This amendment amendment aims to answer some questions received during the call for tender. (**See Addendum**)

Q1: In zones 10, 11 and 24, should the concrete reconstruction be done on the whole wall of the zone where we must anticipate interruptions in our formwork?

R1: Vertical joints in formwork during concreting for walls 10, 11 and 24 may be authorized provided that the contractor can demonstrate that he is taking steps to limit them to a minimum. A formwork plan with the position of the recovery joints must first be submitted by the contractor for approval by the designer.

- All other terms and conditions remain unchanged -

APPENDIX 1 – COMBINED PRICES FORM (3 pages)

- 1) Unit price will be used to establish the total price. All arithmetical error in this appendix will be corrected by Canada.
- 2) Canada can reject a tender if any price doesn't take into account the accurate execution cost of the part of work to which the price is applicable.

Unit price table

The unit price table describes the part of work subjected to a unit price arrangement.

- a) Work in each article are as described in the sections of the specification.
- b) Unit price must not include cost for work not included in unit price articles.

| Article | Description | Unit of measure | Estimated quantity | Unit price | Estimated total price |
|---|---|-----------------|--------------------|------------|-----------------------|
| 2. Excavation and backfilling | | | | | |
| 2.1 | Zone 3 wall | tonne | 570 | \$ | \$ |
| 2.4 | Class B borrow material (provisional) | tonne | 450 | \$ | \$ |
| 3. New concrete wall surface | | | | | |
| 3.1 | Zone 10 wall | m ² | 44 | \$ | \$ |
| 3.2 | Zone 11 wall (including demolition 10-50 mm) | m ² | 45 | \$ | \$ |
| 3.3 | Zone 11 wall (including demolition > 50 mm) | m ² | 10 | \$ | \$ |
| 3.4 | Zone 11 wall footing | m ³ | 2 | \$ | \$ |
| 3.5 | Zone 24 wall | m ³ | 15 | \$ | \$ |
| 3.6 | Zone 24 wall footing (provisional) | m ³ | 1 | \$ | \$ |
| 4. Zone 23 retaining wall rehabilitation | | | | | |
| 4.2 | Exploratory drilling | unit | 20 | \$ | \$ |
| 4.4 | Stone masonry wall deconstruction | m ³ | 1 275 | \$ | \$ |
| 4.5 | Demolition of concrete and wooden floor underneath the masonry wall | m ³ | 120 | \$ | \$ |
| 4.6 | Masonry stones recovery extra. | m ³ | 200 | \$ | \$ |
| 4.7 | Removal of conflictual debris for sheet piling and excavation at the back of the sheet pile | m ³ | 135 | \$ | \$ |
| 4.8 | Rock anchors | unit | 157 | \$ | \$ |

| Article | Description | Unit of measure | Estimated quantity | Unit price | Estimated total price |
|---|--|-----------------|--------------------|------------|-----------------------|
| 4.9 | Steel sheet pile procurement | m ² | 1700 | \$ | \$ |
| 4.10 | Steel sheet pile installation | unit | 310 | \$ | \$ |
| 4.15 | Existing wooden crib partial demolition | m ³ | 20 | \$ | \$ |
| 4.16 | Levelling stone 50-100mm | tonne | 230 | \$ | \$ |
| 4.18 | Anchor key, slab and confinement concrete | m ³ | 850 | \$ | \$ |
| 4.19 | Slab rebar | kg | 13 600 | \$ | \$ |
| 4.22 | Rip rap protection stone, 500-800 mm | tonne | 35 | \$ | \$ |
| 5. General work | | | | | |
| 5.1 | Zone 22 wall slope protection - without additional stone procurement | m ² | 20 | \$ | \$ |
| 5.5 | Asphalt removal and disposal | m ² | 15 | \$ | \$ |
| 5.6 | Pedestrian trail repair | m ² | 225 | \$ | \$ |
| 6. Contaminated soils management | | | | | |
| 6.2 | Extra for contaminated soils disposal (A-B range) (Provisional) | tonne | 200 | \$ | \$ |
| 6.3 | Extra for contaminated soils disposal (B-C range) (Provisional) | tonne | 200 | \$ | \$ |
| 6.4 | Extra for contaminated soils disposal (> C range) (Provisional) | tonne | 400 | \$ | \$ |
| CALCULATED TOTAL PRICE (CTP) Excluding applicable taxes | | | | | \$ |

LUMP SUM PRICE TABLE

The lump sum price table describes the part of work subjected to a lump sum price arrangement.

(a) Work included in the lump sum price table include all work not included in unit price table.

| Article | Description | Lump sum price (\$) |
|---|---|---------------------|
| 1 | Site organization | \$ |
| 2. Excavation and backfilling | | |
| 2.2 | Zone 11 wall | \$ |
| 2.3 | Zone 23 wall | \$ |
| 4. Zone 23 retaining wall rehabilitation | | |
| 4.1 | Final implantation of sheet pile wall | \$ |
| 4.3 | Water management | \$ |
| 4.11 | Temporary support of sheet pile wall | \$ |
| 4.12 | Sheet pile capping | \$ |
| 4.13 | Sheet pile connection to existing walls | \$ |
| 4.14 | Temporary support of the canal deadman anchor blocks | \$ |
| 4.17 | Precast New Jersey barrier anchor wall | \$ |
| 4.20 | Leveling slab complete with concrete, rebar and anchors | \$ |
| 4.21 | Precast interlocking concrete block gravity retaining wall | \$ |
| 5. General work | | |
| 5.2 | Zone 22 wall | \$ |
| 5.3 | Steel guardrail | \$ |
| 5.4 | Landscaping and site restoration | \$ |
| 5.5 | Chain-link fence | \$ |
| 5.8 | Permanent maritime signage | \$ |
| 5.9 | Construction of permanent foundations for a temporary bridge (optional works) | \$ |
| 6. Contaminated soils management | | |
| 6.1 | Contaminated soils management plan | \$ |
| LUMP SUM TOTAL PRICE (LTP) Excluding applicable taxes | | \$ |
| TOTAL TENDER PRICE (CPT + LTP) Excluding applicable taxes | | \$ |

This addendum is an integral part of plans and specifications and should be read jointly. It supersedes all requirements on plans and specifications. Items not mentioned in this addendum remain the same as in the original plans and specifications.

1.1 SPECIFICATIONS

- .1 **Section 01 11 01** – Article 1.2.3.8 is added by the following:
 - .8 Permanent foundations for a temporary bridge must be constructed upstream of the lock, as shown on drawings. Departmental Representative's prior approval is required.
- .2 **Section 01 11 01** – Article 1.7.2, the first sentence of the article is canceled.
- .3 **Section 01 11 01** – Article 1.8.5 is canceled.
- .4 **Section 01 11 01** – Article 1.8.6 is canceled and replaced by the following:
 - .6 As of October 22nd, 2018, Contractor is authorized to install a temporary bridge in one of the designated locations shown on the drawings, upstream or downstream of the lock. The maximum footprint on the canal bed of the bridge foundation is indicated on the drawings. Dismantling of the bridge must be completed May 4th, 2019, at the latest.
- .5 **Section 01 11 01** – Article 1.23 is added by the following:
 - .1 Construction of permanent foundations for a temporary upstream bridge is optional. The Departmental Representative will confirm the work at the kick-off meeting.
 - .2 If the Ministry chooses not to build the permanent foundations:
 - .1 Contractor can nonetheless build a temporary upstream bridge in the zone indicated on plans.
 - .2 Contractor is responsible for the temporary foundations required. Those must not apply any further stresses on the existing canal wall.
 - .3 Depending on the stresses involved by the temporary bridge, a bracing system can be needed between the 2 wall faces.
 - .4 Design details must be validated by the contractor's engineer and be approved by The Departmental Representative.
 - .5 No monetary compensation shall be provided if construction of permanent foundations for a temporary upstream bridge is canceled.
 - .3 The contractor's tender must take into consideration that the permanent foundations are optional and that no monetary compensation shall be provided if this work is not performed.
 - .4 If construction of permanent foundations for a temporary upstream bridge is performed, this work cannot interfere with the project critical path.

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- .6 Section 01 14 00** – Article 1.2.3 is canceled and replaced by the following:
- .3 The possible locations for the temporary bridge are shown on the drawings and cannot be modified.
- .7 Section 01 14 00** – Article 1.3.2 is canceled and replaced by the following:
- .2 From October 2018 to May 2019, Contractor is allowed to connect on Canada Park's electrical grid indicated on plans. Contractor must submit a shop drawing for Departmental Representative's prior approval. The receipts will be transferred to the Contractor according to meter readings and Hydro-Quebec rates.
- .8 Section 01 29 00** – Article 1.5.9 is added by the following:
- .9 Construction of permanent foundations for a temporary bridge (optional works)
 - .1 This item is paid as a lump sum.
 - .2 The price quoted in this article must include, but not limited to:
 - .1 Cost associated with the preparation of shop drawing for metal pieces and piles.
 - .2 Cost associated with the procurement of materials and work.
 - .3 Any incidental expenses.
- .9 Section 01 32 16.07** – Articles 1.3.10 and 1.3.11 are added by the following:
- .10 Project schedule must clearly detail activities related to construction of permanent foundations for temporary bridge .
 - .11 Project schedule must clearly detail activities related to construction of temporary bridge including construction of temporary foundations.
- .10 Section 01 35 13.43** – Article 1.1.3 is canceled.
- .11 Section 01 35 13.43** – Article 1.4.1 is canceled and replaced by the following:
- .1 Provide erosion and sediment control in accordance with section 01 35 43 - *Environmental procedures*.
- .12 Section 01 35 13.43** – Article 1.6.2 is canceled and replaced by the following:
- .2 Implement and maintain dust and particulate control measures immediately as determined necessary by Departmental Representative during construction and in accordance with Province of Quebec regulations and action levels specified in Section 01 35 43 – *Environmental procedures*.
- .13 Section 01 35 43** – Article 1.10.2.21 is canceled and replaced by the following:
- .21 Plan work in water for specific periods to protect fish, including eggs, juveniles and spawning adults, and the organisms they feed on (August 1 to March 1: allowed period).

.14 Section 32 01 90.33 – Article 3.2.13 is added by the following:

.21 If root system of a conserved tree is damage by the excavation work, contractor must apply the following instructions:

- .1 Cut roots with a quick cut saw (15 cm) and perform a progressive stripping where the roots are present or potentially present.
- .2 Use a geotextile membrane to cover all of exposed roots.
- .3 During the works, water affected trees regularly and abundantly.
- .4 Restore the treetop/roots balance in function of lost system roots percentage by compensatory trimming where the same percentage of branches is removed prioritising sick, harmful, weak or misplaced branches.
- .5 At the end of work, ground level must be the same as prior to the beginning of work.

.15 Section 32 93 10 – Article 2.2.4 is canceled and replaced by the following:

.4 Species of trees to be provided in zone 23: for the replacement of the trees mentioned in the plans, provide, respecting the following ratio, 1 butternut, 1 bur oak, 2 basswoods. Unless otherwise indicated, trees with a straight trunk and characteristic branch of the species are to be provided.

.16 Section 32 93 10 – Article 2.2.5 is canceled.

.17 Section 32 93 10 – Article 2.2.8 is added by the following:

- .8 Contractor must provide 2 lilacs by the following:
- .1 Location of the lilacs is indicated on plans.
 - .2 Provide mature lilacs the larger specimens possible and available at the nursery
 - .3 Complete grubbing of strump is necessary before planting.

1.2 APPENDIX 1 – COMBINED PRICES FORM – LUMP SUM PRICE TABLE

.1 Article 5.9 « Construction of permanent foundations for a temporary bridge (optional work)» is added.

1.3 DRAWINGS

.1 Drawing OA-32-11.04 S04/13

- Modification of proposed access zones and installation zones. New location allowed for a temporary bridge. Removal of work zone, main and secondary access for lock rehabilitation. Section added for temporary bridge upstream of work. Center line added for temporary access by the Contractor. Removal of notes related to lock rehabilitation work. Location of 2 new lilacs. Notes added related to new allowed position for a temporary bridge.

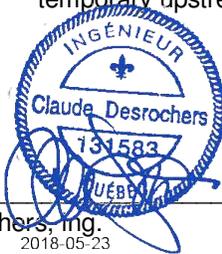
.2 **Drawing OA-32-116.06 S06/13**

- Location of the permanent foundations for temporary bridge added.

.3 **Drawing OA-32-116.08A S08A/13**

- Plan view, sections and details are added for a temporary upstream bridge. Plan view, sections and details are added for construction of permanent foundations for a temporary upstream bridge.

Prepared by :



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2018-05-23