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## ADDENDUM No. 4

### Municipality of Huron Shores Potomac Bridge Replacement TULLOCH Project 22-0887

**Time & Date of Distribution:** 1:00pm Friday, August 18, 2023

**Items:**

1. Item B9 H-Pile Load Testing - Please clarify the number of piles to be load tested? Are both abutments considered 1 group for the purposes of pile load testing or are they to be considered separate groups?

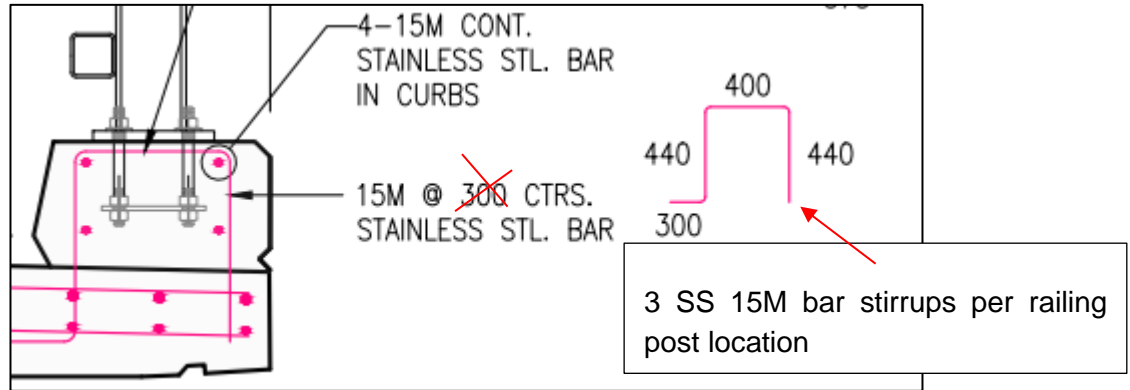
Each abutment shall be considered its own “group” for the purposes of establishing the number of pile tests. The first pile installed on each abutment would be pile load tested (PDA testing) to ensure that the set criteria for the required resistance can be established for the remaining piles. Per the OPSS 903, upon completion of the installation of the abutment piles, 2 piles at random will be “re-tapped” in the group to confirm the ultimate resistance.

2. Please specify the dywidag bar, washer and nut for the tie anchors outlined on drawing S6.1.

The dywidag bars shall be 16mm (5/8”) diameter and be hot rolled threadbar meeting the properties of ASTM A722 with a minimum yield strength of 900 MPa and an ultimate strength of 1100MPa. The socket washer and nut shall be those that accompany the dywidag bar assembly.

3. Clarification: Dwg S6.1 Section 3/S6 indicates 15M @ 300 O/C Outer Face & 20M @ 300 O/C Inner Face. However Section 4/S6 indicates 15M @ 300 CTRS (what is shown as Outer Face) and 20M @ 150 CTRS (what is shown as Inner Face).  
Answer: The horizontal bars on the inside faces of the wingwalls shall be 20M @ 150 O/C.
4. Clarification: Dwg S4 – Stainless Steel Stirrups 15M @ 300 CTRS Full Length in Curb. It is assumed this is in reference to the stirrup shown just adjacent to this not (375 x 425 x 375 x425 stirup with 8 – 15M Cont.). Please clarify if the intent should be that these stirups are to be located at each railing post and the associated 8 – 15M should be vertical bars at these locations.

The intent is to have continuous 15M stirrups (375 x 425 x 375 x 425) full length of the curb. The additional 300x440x400x440 SS stirrups shall be installed at each railing post around the anchors/anchor plate (with 3 extra SS stirrups per post location). The 8-15M continuous are shown with the bottom 4 bars being part of the deck pour. The top 4 continuous 15M bars are meant to run full length of the curb.



5. S4 Concrete Deck Plan indicates a stirrup 15M @ 300 ctrs typical both sides and shown on Section 1/S4. However, the dimension for this strip is not provided. Please review and advise.

The 15M @ 300 'C' bar shown shall be removed. The intent is that the continuous stirrups noted in question 4 running along the curb will close off the reinforcing cage of the concrete deck.

6. Question: Special Provision 1.21 Street Closure indicates that the street can be closed for 5 months and makes no mention of the temporary bridge requirement. Please advise.

Answer: Special Provision 1.21 shall be removed from the tender. The Contractor is not allowed any full-time or permanent road closures of any sort without approval from the Owner/Engineer. The contractor may consider being allowed temporary road closures while working on the temporary by-pass roadway (as required), provided that sufficient signage and flaggers are utilized to control traffic. In case of an emergency, emergency vehicles will be given through passage immediately.

7. Question: For Item A1 Mobilization/Demobilization - Can the "value of the item shall not exceed 2% of the tender amount" be increased to also accommodate for the piling mob/demob cost and the grading mob/demob costs?

Answer: Yes. The limit on the value of item A1 will be increased to 7% of the tender amount.

8. What is the method of payment for the removal of the temporary bridge, the concrete footings for the temporary modular bridge or the granular and the geotextile on the by-pass roadway? There appears to be no payment item for this work.



Answer: There are added items (A11 & A12) to the tender form – Rev 1 (attached). **Please use the revised tender form for any submissions.** The granular and precast concrete block ballast walls will be trucked to the Municipal Waste Site and stored in a location as directed by the Owner. The concrete foundations can be cut or broken to facilitate removal and the rebar separated from the concrete prior to disposal. The concrete can be hauled to the Municipal Waste site for land fill cover. All disturbed areas around/under the temporary bridge foundations shall be restored to equivalent elevations/grades as to the original and stabilized/protected with mulch/straw until the seeds take.

- 9. As per special provision 1.22 Field Office “No work shall commence on the project until the field office is fully operational to the satisfaction of the Engineer.” Please clarify if the Engineer’s Field Office is required during the work being performed to prepare for the Temporary Road Bypass in late 2023, or if the Engineer’s Field Office can be delayed until March 2024.

Answer: Correct in the understanding that the requirement for a field office can be waived for the fall 2023 temporary road bypass works/ temporary bridge foundations. The requirement for a contractor field office/engineers field office will be required when the major work starts in spring 2024.

- 10. The units for the Close Cut Clearing – Item A4 has been revised to square meters do to the small quantities. Please note this on the revised Tender Form – Rev 1, attached.
- 11. Item C13 – Trenching, installation, and backfilling of hydrant intake pipe. Contractor shall include efforts to compact granular ‘A’ material (300mm thick layer) around the hydrant intake pipe prior to backfilling with native materials and restoring the ground shape to match original conditions (as much as practical) up to the edge of the rip rap on the southeast corner of the bridge.
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- 12. This will be the final addendum for the tender period.

Please sign this page and email to [matt.kirby@tulloch.ca](mailto:matt.kirby@tulloch.ca) immediately to indicate receipt of this document.

Company Name: \_\_\_\_\_

Received by (PRINT NAME): \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

22-0887 Addendum #4

**FORM OF TENDER – Rev 1**

**FT.01 TENDER PRICE**

- A. Offer by - Contractor –  
Address –  
City/Province –  
Postal Code –  
Date -

To the **Municipality of Huron Shores**

We, the undersigned, having examined the site of the Work, having carefully investigated the conditions pertaining to the Work and having secured all the information necessary to enable us to submit a bona fide tender, and having inspected all the Contract Documents and Drawings, hereby agree to enter into a contract and to perform all the Work in accordance with the Contract Documents and Drawings to the satisfaction of the Engineer for the total tender price of:

\_\_\_\_\_ (\$ \_\_\_\_\_).

**FT.02 CONTINGENCIES**

- A. We agree that the tender price includes the contingency sum of **\$ 100,000.00** and that no part of this sum shall be expended without the written direction of the Engineer, and any part not so expended shall be deducted from the tender price.

**FT.03 QUANTITIES**

- A. The tender price is compiled from the Schedule of Tender Prices included hereinafter. The quantities in the schedule being approximate, we agree that the final valuation will be made on the basis of actual quantities measured during and on completion of the Work at the prices in the schedule.

#### FT.04 ADDITIONS AND DEDUCTIONS

- A. We agree that the valuation of additions to, and deductions from, the contract shall be made as follows:
1. The unit prices in the Schedule of Tender Prices shall apply where appropriate.
  2. If the prices in subsection 1 are not appropriate, valuation will be made by one of the following methods:
    - (i) The Engineer may ask the Contractor for a quotation for the proposed work.
    - (ii) If the quotation referred to in (i) above is not accepted by the Engineer, payment will be made on a Time and Material Basis according to GC 8.02.04. of the General Conditions.

#### FT.05 ADDENDA

- A. We agree that we have received addenda \_\_\_\_ to \_\_\_\_ inclusive, and the tender price includes the provisions set out in such addenda.

#### FT.06 COMMENCEMENT

- A. We agree to commence Phase 1 Work onsite by **September 25<sup>th</sup>, 2023** based on Award of Contract by **August 28<sup>th</sup>, 2023**.

#### FT.07 COMPLETION

- A. We agree to complete all Work for this project by the end of September 2024

#### FT.08 LIQUIDATED DAMAGES

- A. We agree that in case all Work called for under the Contract is not finished or completed within the Date of Completion specified aforementioned to or as extended in accordance with subsection GC3.06, Extension of Contract Time, of the General Conditions of Contract a loss or damage will be sustained by the Owner. We agree that the Contractor will pay to the Owner the sum of **\$1,000.00 + HST** as liquidated damages for each and every working day delay to finish the work beyond the date of completion prescribed. We agree that this amount is an estimate of the actual loss or damage to the Owner which will accrue during the period in excess of the prescribed date of completion.

FT.09 SCHEDULE OF TENDER PRICES

This Schedule is referred to in Clause FT.03 above.

Item No.	OPSS/OPSD/SP	Description	Estimated Quantity	Units	Unit Price	Item Amount
<b>Part A</b>						
A1	SP	Mobilization/Demobilization			Lump Sum	\$
A2	SP	Environmental Protection			Lump Sum	\$
A3	SP	Traffic Control Plans/Signage/Traffic Signals			Lump Sum	\$
A4	SP S201	Close Cut Clearing	540	m <sup>2</sup>	\$	\$
A5	SP	Earth Excavation for Temporary Bridge Foundations			Lump Sum	\$
A6	SP	Supply, Place Concrete including reinforcing bars for the Temporary Bridge Foundations (including precast blocks for ballast wall and bearing seats)			Lump Sum	\$
A7	SP	Temporary Bridge – Backfill			Lump Sum	\$
A8	S314	Granular “B” (in place) for By-pass Roadway	825	m <sup>3</sup>		\$
A9	S314	Granular “A” (in place) for By-pass Roadway	75	m <sup>3</sup>		\$
A10	S209	Geotextile for Separating by-pass granular from native soils (Terrafix 270R or equal)	760	m <sup>2</sup>	\$	\$
A11	SP	Decommissioning of Temporary Bridge, removal of all components, shipping back to rental company.			Lump Sum	\$
A12	SP	Removal of Temporary Bridge foundations, including restoration of the disturbed area using native material & stabilizing, removal of by-pass granular materials including the concrete ballast wall blocks and trucking to the Municipal waste site for storage, removal of the geotextile below the bypass roadway.			Lump Sum	\$
<b>Subtotal Part A</b>						\$
<b>Part B</b>						
B1		Supply Temporary Bridge - Acrow 30.48m (100ft) span, 4.1m wide roadway			Lump Sum	\$
B2		Install Temporary Acrow Bridge onto Temporary Foundations, including anchors, bearing pads, etc.			Lump Sum	\$
B3		Supply and install temporary traffic barrier along both shoulders of temporary by-pass roadway full length both sides of			Lump Sum	\$

		temporary bridge structure				
B4		Supply and install temporary traffic signals/lights at either end of by-pass roadway	Lump Sum			\$
B5	SP	Surface Treatment Removal/Scarifying	1005	m <sup>2</sup>	\$	\$
B6	SP S510	Demolition, removal and disposal of existing bridge and railing systems (including approach guiderail and posts)	Lump Sum			\$
B7	SP S180 S182 S517 S518 S805	Earth Excavation for Structures (temporary and permanent)	265	m <sup>3</sup>	\$	\$
B8	SP S182 S903 S906	Steel H Piles	320	m	\$	\$
B9	SP S903	Pile Load Testing	Lump Sum			\$
B10	SP S182 S903 S906	Steel Sheet Pile	82.5	m <sup>2</sup>	\$	\$
B11	SP S922	Bearing pads & anchor assemblies	Lump Sum			\$
B12	SP S182 S906 S911	Supply, fabrication, delivery and erection of structural steel girders, diaphragms, and shear studs WWF 950x230	Lump Sum			\$
B13	SP S182 S404 S517 S518 S902 S904 S905 S919 S920	Supply and place reinforced concrete for:				
		a) In pile caps	1	L.S	\$	\$
		b) Abutment walls/wingwalls	1	L.S.	\$	\$
		c) Deck slab & Haunches	1	L.S.	\$	\$
		d) Curbs and Railing End Walls	1	L.S.	\$	\$
e) Approach slabs	1	L.S.	\$	\$		
B14	SP S908	Bridge Steel Traffic Barrier	61.4	m	\$	\$
B15	D3340.150 SP	Deck Drains	4	ea.	\$	\$
B16	SP S914 D3370.100 D3370.101	Bridge Deck Waterproofing & Protection Board	195	m <sup>2</sup>	\$	\$
B17	S310 SP	Asphalt on Bridge & Approach Slabs	195	m <sup>2</sup>	\$	\$
B18	S314	Granular "B" (in place) – for structure	190	m <sup>3</sup>	\$	\$

B19	SP D3190.100	Abutment Wall Drains and Weeping Tile Sub-drain below Ballast Wall/Haunch in backfill	Lump Sum				
<b>Subtotal Part B</b>						\$	
<b>Part C</b>							
C1	S206	Earth Excavation (Shoulder stripping) – for roadway	105	m <sup>3</sup>	\$	\$	
C2	S314	Granular “B” (in place) – for roadway above existing grades	203	m <sup>3</sup>	\$	\$	
C3	S314	Granular “A” (in place) – for roadway	171	m <sup>3</sup>	\$	\$	
C4	S511 S1004	Rip-rap R-50, Nominal depth of 305mm	193	m <sup>2</sup>	\$	\$	
C5	S511/512	Geotextile 270R – Non-woven Class II	193	m <sup>2</sup>	\$	\$	
C6	S511/512	Geotextile 600R – Non-woven Class II	120	m <sup>2</sup>	\$	\$	
C7	S706	Traffic Control Signing	Lump Sum			\$	
C8	SP S730 S732 D922.340 D922.532	Supply and install Steel guiderail on approaches including terminations	72	m.	\$	\$	
C9	S802	Topsoil, Imported	50	m <sup>3</sup>	\$	\$	
C10	S804	Seed and Mulch/Straw Cover	500	m <sup>2</sup>	\$	\$	
C11	S805/D219.110	Light Duty Silt Fence Barrier	312	m.	\$	\$	
C12	S805/D219.180	Straw Bale Flow Check	2	ea.	\$	\$	
C13	SP	Trenching, installation, and backfilling of horizontal intake pipe for Dry Hydrant.	Lump Sum			\$	
<b>Subtotal Part C</b>						\$	
<b>Part D</b>							
D1		Bonding & Insurance	Lump Sum			\$	
D2		Contingency	Lump Sum			\$ 100,000.00	
D3		Pre-construction Survey	Lump Sum			\$	
<b>Subtotal Part D</b>							
Definitions:							
S – Ontario Provincial Standards Specifications							
D – Ontario Provincial Standards Drawings							
SP – Special Provisions, (P) Plan Quantity Payment							
ea. – each, t. – Tonnes, k.g. – kilograms							
m. – Linear Metres, m <sup>2</sup> – Square Metres, m <sup>3</sup> – Cubic Metres							



**SUMMARY OF TENDERED PRICES**

<b>Subtotal Part A</b>	
<b>Subtotal Part B</b>	
<b>Subtotal Part C</b>	
<b>Subtotal Part D</b>	
<b>Subtotal</b>	
<b>HST @ 13%</b>	
<b>*** Total Tender Price</b>	

**NOTE:** The tenderer agrees that he is not entitled to payment of any of the Contingency Allowance except for work carried out by him in accordance with the Contract and authorized by the Engineer. The tenderer is to include the Contingency Allowance in the Total Tender Price

ESTIMATED COST OF MATERIAL TO BE INCORPORATED IN THE WORK \$ \_\_\_\_\_

ESTIMATED COST OF LABOUR AND ALL OTHER CHARGES \$ \_\_\_\_\_

**TOTAL (MUST EQUAL TOTAL TENDER PRICE) \*\*\*** \$ \_\_\_\_\_

THE **TOTAL TENDER PRICE** BASED ON THE ESTIMATED QUANTITIES SHOWN IN THE FORM OF TENDER PRICES IS HEREBY REPEATED IN WRITING.

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**WE AGREE THAT THE FINAL VALUATION WILL BE MADE ON THE BASIS OF ACTUAL QUANTITIES AS DETERMINED BY THE ENGINEER AND AT THE PRICES AS SET OUT IN THE FORM OF TENDER PRICES:**

OFFERED ON BEHALF  
OF THE CONTRACTOR

\_\_\_\_\_  
COMPANY NAME

\_\_\_\_\_  
SIGNATURE

CONTRACTOR'S SEAL

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
COMPANY STREET ADDRESS

\_\_\_\_\_  
CITY, PROVINCE, POSTAL CODE

\_\_\_\_\_  
DATE OF OFFER

[Note: Contractor to have the necessary signatures to bind the company. If a contractor's seal is used there is no need for the offer to be witnessed. If no contractor's seal is used then a witness seal needed.]

TENDERER'S EXPERIENCE ON SIMILAR PROJECTS

Similar projects where Tenderer acted as prime or subcontractor.

SUBCONTRACTORS TO BE EMPLOYED

TRADE

SUBCONTRACTOR (Name & Address)

VALUE

TENDERER'S STAFF AND EQUIPMENT

STAFF (Please indicate designated on site superintendent)

EQUIPMENT

EQUIPMENT TO BE USED

OWNED OR RENTED