



April 9, 2025

Tender #PW-2025-03 –
Sheridan Rapids Bridges
Replacement
ADDENDUM NO. 2

ADDENDUM NO. 02

QUESTIONS AND ANSWERS

Question 1:

Please confirm the overall bearing seat width at each abutment for the purposes of bridge bearing design.

Answer 1:

Based on measurements taken during the design phase, the total bearing seat width is approximately 609 mm (559 mm + 50 mm minimum gap between superstructure and ballast wall), as indicated on the Tender Drawings, but this may vary. Final geometry for fabrication shall be confirmed by the Contractor.

Question 2:

Please confirm if a standard modular panel bridge roadway width of 5.25m (single lane + shoulder) is acceptable.

Answer 2:

Roadway width of 5.25m on the structures would be accepted, provided the Contractor adjusts the steel beam guiderail transitions at the wing walls to suit the revised road width at no additional cost, and to the satisfaction of the Contract Administrator. Special attention to the South Bridge may be required, as top-mounted guiderail posts are currently specified, and may not be feasible for a narrower roadway.

Question 3:

Please confirm if guiderail can be mounted directly to truss members as per MTO detail SS116-31.

Answer 3:

See Addendum No.2, Part D – Special Provisions, Section 4.1.

Question 4:

Please confirm the warranty period for Lanark Highlands Township PW-2025-03 – Sheridan Rapids Bridges Replacement.

Answer 4:

See Addendum No.2, Part C – General Conditions, Section 21.

PART "C" – GENERAL CONDITIONS

This section is added.

21. Guaranteed Maintenance

Section GC 7.16 of OPSS General Conditions (MUNI. 100) is amended by the addition of the following:

Unless otherwise specified in the contract documents, the warranty period shall be for a period of twenty-four (24) months from the date of Substantial Completion.

The Contractor shall make good in a permanent manner, satisfactory to the Township, any and all defects or deficiencies in the work, both during the construction and during the period of maintenance as aforesaid. The Contractor shall commence repairs on any work identified as defective under this clause within 48 hours of receipt of notice from the Township. The severity of defective work shall be identified by and evaluated at the discretion of the Township.

In the event the Contractor refuses or is unable to carry out the repairs on defective work, the Township shall use the holdback funds to have the remedial work completed to the Township's satisfaction.

PART "D" – SPECIAL PROVISIONS

SPECIAL PROVISIONS (REVISIONS)

Item No. 10 - SUPPLY, DELIVERY AND INSTALLATION OF PERMANENT MODULAR BRIDGES

4.1 Design Requirements

This section is deleted in its entirety and replaced with the following.

Supplier shall design the bridge to be in conformance with the latest revision of CAN/CSA S6 "Canadian Highway Bridge Design Code", the Contract Documents, and the Structural Manual except that:

The following requirements of the CSA S6-19 are not mandatory:

- a. Traffic lane widths, side clearance, and sidewalks.
- b. Deck crossfall and drain outlets.

The bridge structures shall be designed in accordance with the requirements for a minimum Class "D" for Fatigue Limit States as outlined in CSA S6 and the deflection limit may be reduced to Span Length / 360 in accordance with the MTO Structural Manual – Guideline for the Design of Bridges on Low Volume Roads.

The guide rail system on the structures, including post pocket anchors (welded or bolted) for barrier posts, if applicable, must be certified to meet the lateral (impact) loading identified for a TL1 barrier as specified in Appendix A of the 2016 MTO Exceptions to The Canadian Highway Bridge Design Code, CSA S6-14, for Ontario.

5.2 Bridge Components

This section is deleted in its entirety and replaced with the following.

All - Bridge steel components shall be fabricated according to the requirements of OPSS.MUNI 906.

All materials shall be new; according to OPSS.MUNI 911 and shall comply with the details specified herein.

The modular bridges shall be one of the following proprietary products:

Acrow 700XS Bridge
Algonquin Mabey Compact 200 Bridge
Algonquin Vehicular Girder Bridge
Northern Mat & Bridge Municipal Modular Access Bridge
Allsteel Fabrication Inc. Prefabricated Bridge

The wearing surfaces of the new structures shall be one of the following:

PART "D" – SPECIAL PROVISIONS

- a. Precast Concrete
- b. Steel plate with epoxy coated aggregate
- c. Steel Checker Plate
- d. Plain steel deck with asphalt overlay
- e. Corrugated steel deck with gravel and asphalt topping

Install the modular bridge components which may include, but is not limited to panels, girders, end posts, associated bracing components, transoms, decking, all associated hardware, bearings, base plates, etc., and launch nose material (as applicable to accommodate complete installation).

PART "E" – FORMS OF TENDER

Pricing Schedule

This section is deleted in its entirety and replaced with the following.

I/We hereby agree to provide the permanent modular bridges supply and delivery services in accordance with the provisions set out in Parts A, B, C, D, and E of this Tender, for the following firm prices.

Item No.	Spec. No.	Description	Estimated Quantities	Unit	Bid Price Per Unit	Total Bid
1	SP	Site Preparation	1	L.S.		
2	SP	General Sitework	1	L.S.		
3		Bonding & Insurance	1	L.S.		
4	182 802 805 SP	Environmental Protection	1	L.S.		
5	182 805 SP	Turbidity Curtains	1	L.S.		
6	706 SP	Traffic Control Signing	1	L.S.		
7	314 902	Granular A	200	t		
8	511 SP	Rip Rap (R-50)	55	m3		
9	721 SP	Steel Beam Guide Rail	120	m		
10		Top Mounted Steel Beam Guide Rail	12	m		
11	723 SP	Steel Beam Energy Attenuating Terminal System	8	ea.		
12	510 SP	Removal of Bridge Superstructures	1	L.S.		
13	902 SP	Earth Excavation for Structure	3.2	m3		
14	928 SP	Concrete Removal - Partial Depth - Type B	0.04	m3		
15	928 SP	Concrete Removal - Partial Depth - Type C	0.59	m3		
16	930 SP	Concrete Patches, Form and Pump	0.51	m3		
17	932 SP	Crack Injection	33	m		
18		Abutment Coating	67.2	m2		

