



## **ADDENDUM NO. 1**

**April 15, 2026**

Re: Sturctural Repairs 2026-015

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The following Addendum shall be part of the Bid Document and shall supersede the bid specification sheets in Bid package.

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### **INDICATE RECEIPT OF THIS ADDENDUM ON THE BID FORM.**

This Addendum consists of 20 pages.

OSIM Structure Inspection Report for the Ashburn Road Bridge

MUNICIPALITY OF WEST NIPISSING

OSIM

STRUCTURE INSPECTION REPORT

ASHBURN ROAD BRIDGE

SITE NUMBER: B-030

INSPECTION DATE: 10/23/2024



<b>Structure Name: Ashburn Road Bridge</b>	
Comments: Corrosion along entire length of girders. Beaver dam upstream at abutment.	
Overall Condition Rating	Good
Bridge Condition Index (BCI)	73.5

<b>Inventory Data:</b>	
Structure Name	Ashburton Road Bridge
Main Hwy/Road #	River Rd On <input checked="" type="checkbox"/> Under <input type="checkbox"/> Crossing <input type="checkbox"/> Navig. Water <input checked="" type="checkbox"/> Non-Navig. Water <input type="checkbox"/> Rail Type: <input type="checkbox"/> Road <input type="checkbox"/> Ped. <input type="checkbox"/> Other
Hwy/Road Name	Ashburton Road
Structure Location	1.4 km South of Larocque Street at Pike River
Latitude	46.51055556
Longitude	-79.99055556
Owner(s)	Municipality of West Nipissing
Heritage	<input checked="" type="checkbox"/> Not Cons. <input type="checkbox"/> Cons./not App. <input type="checkbox"/> List/not Desig. Designation: <input type="checkbox"/> Desig./not List <input type="checkbox"/> Desig. & List
MTO Region	Northeastern
MTO District	Sudbury
Road Class	Freeway <input type="checkbox"/> Arterial <input type="checkbox"/> Collector <input type="checkbox"/> Local <input checked="" type="checkbox"/>
Old County	
Posted Speed	
No. of Lanes	1
Geographic Twp.	Field
AADT	
% Trucks	
Structure Type	Steel Girder Timber Deck
Inspection Route Sequence	
Total Deck Length	7.0 (m)
Interchange Number	
Overall Str. Width	5.5 (m)
Interchange Structure Number	
Total Deck Area	35.8 (sq.m)
Min. Vertical Clearance	
Roadway Width	5.1 (m)
Special Routes:	<input type="checkbox"/> Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle
Skew Angle	0 (Degrees)
Detour Length Around Bridge	
No. of Spans	1
Direction of Structure	N-S
Span Lengths	5.5 m (m)
Fill on Structure	

<b>Historical Data:</b>	
Year Built	Unknown
Year of Last Minor Rehab	
Last Reg OSIM Inspection	2022
Year of Last Major Rehab.	2017
Last Enh. OSIM Inspection	
Current Load Limit	13/24/34 (tonnes)
Last Underwater Inspection	
Last Evaluation	
Last Condition Survey	

<b>Work History</b>	
Year	Scope of Work
2011	Granular approach fill replaced with lightweight fill material. Upper timber cribs reconstructed at both abutments. Damaged portion of transverse deck replaced, new timber wearing deck installed, and new timber curbs and barriers installed.
2017	Missing fill at each corner was reinstated, erosion and guide rail post has been corrected, and one load sign was added at NW bridge approach.

**Scheduled Improvements:**

Regional Priority Number  Programmed Work Year

Nature of Program Work:

Appraisal Indices:		Comments
Fatigue		
Seismic		
Scour		
Flood		
Barrier		
Curb		
Load Capacity		

**Inspection History:**

Type	Date	BCI	Inspection Comments
Regular OSIM	2020		
Regular OSIM	10/19/2022	71.4	Hole in timber wearing surface exposing a void at the North and South approaches.

<b>Field Inspection Information:</b>			
Date on Inspection:	October 23, 2024	Type of Inspection:	<input checked="" type="checkbox"/> OSIM <input type="checkbox"/> Enhanced OSIM
Inspector:	Mike Colton C. Tech., Egis		
Others in Party:	Matt Lazurek, EIT, Egis		
Access Equipment	Sounding Hammer, Chest Waders, Digital Camera, Measuring Tape		
Weather:	Overcast		
Temperature:	6°C		

Additional Investigations Required:	Priority		
	None	Normal	Urgent
Material Condition Survey	X		
Detailed Deck Condition Survey:			
Non-destructive Delamination Survey of Asphalt-Covered Deck:			
Concrete Substructure Condition Survey:			
Detailed Coating Condition Survey:			
Detailed Timber Investigation:			
Post-Tensioned Strand Investigation:			
Underwater Investigation:	X		
Fatigue Investigation:	X		
Seismic Investigation:	X		
Structure Evaluation:	X		
Monitoring	X		
Monitoring of Deformations, Settlements and Movements:			
Monitoring Crack Widths:			
Investigation Notes:			

<b>Overall Structure Notes:</b>			
Recommended Work on Structure:	<input type="checkbox"/> None <input checked="" type="checkbox"/> Minor Rehab. <input type="checkbox"/> Major Rehab. <input type="checkbox"/> Replace		
Timing of Recommended work:	<input type="checkbox"/> 1 to 5 years <input checked="" type="checkbox"/> 6 to 10 years		
Overall Comments:			
Date of Next Inspection:	2026		

**Suspected Performance Deficiencies**

- |   |  |                              |
|---|--|------------------------------|
| 01 Load carrying capacity                           | 06 Bearing not uniformly loaded/unstable | 12 Slippery Surfaces         |
| 02 Excessive deformations (deflections & rotations) | 07 Jammed Expansion joint                | 13 Flooding/channel blockage |
| 03 Continuing settlement                            | 08 Pedestrian/vehicular hazard           | 14 Undermining of foundation |
| 04 Continuing movements                             | 09 Rough riding surface                  | 15 Unstable embankments      |
| 05 Seized bearings                                  | 10 Surface ponding                       | 16 Other                     |
|   | 11 Deck drainage                         |                              |

**Maintenance Needs**

- |                                      |                                 |  |
|--------------------------------------|---------------------------------|--|
| 01 Lift and Swing Bridge Maintenance | 07 Repair to Structural Steel   | 13 Erosion Control at Bridges            |
| 02 Bridge cleaning                   | 08 Repair of Bridge Concrete    | 14 Concrete Sealing                      |
| 03 Bridge Handrail Maintenance       | 09 Repair of Bridge Timber      | 15 Rout and Seal                         |
| 04 Painting Steel Bridge Structures  | 10 Bailey Bridges – Maintenance | 16 Bridge Deck Drainage                  |
| 05 Bridge Deck Joint Repair          | 11 Animal/Pest Control          | 17 Scaling (Loose Concrete or ACR Steel) |
| 06 Bridge Bearing Maintenance        | 12 Bridge Surface Repair        | 18 Other                                 |

**Element Data**

Element Group:	Barriers	Length:	0.2 m		
Element Name:	<b>Post</b>	Width:	0.2 m		
Location:	East and West	Height:	0.85 m		
Material:	Wood	Count:	28		
Element Type:		Total Quantity:	28		
Environment:	Benign / Moderate / <b>Severe</b>	Limited Inspection	<input type="checkbox"/>		
Protection System:					Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good 28	Fair	
<b>Comments:</b> Post leaning outward at both east and west.					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	<input type="checkbox"/> Urgent <input type="checkbox"/> 1 year <input type="checkbox"/> 2 year	

Element Group:	Barriers	Length:	3.81 m		
Element Name:	<b>Railing systems</b>	Width:	N/A		
Location:	East & West	Height:	0.7		
Material:	Steel	Count:	14		
Element Type:	<b>Flex Beam on Wood Post</b>	Total Quantity:	53.3 m		
Environment:	Benign / Moderate / <b>Severe</b>	Limited Inspection	<input type="checkbox"/>		
Protection System:	Galv.				Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good 53.3	Fair	
<b>Comments:</b> In good condition.					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	<input type="checkbox"/> Urgent <input type="checkbox"/> 1 year <input type="checkbox"/> 2 year	

Element Group:	Decks	Length:	7.0 m		
Element Name:	<b>Wearing Surface</b>	Width:	4.0 m		
Location:	Deck top	Height:	0.076 m		
Material:	Wood	Count:	1		
Element Type:	<b>Dimensional Lumber</b>	Total Quantity:	28.0 m <sup>2</sup>		
Environment:	Benign / Moderate / <b>Severe</b>	Limited Inspection	<input type="checkbox"/>		
Protection System:	Treated				Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good 28	Fair	
<b>Comments:</b> Recently replaced deck boards. Half of deck covered with gravel.					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	<input type="checkbox"/> Urgent <input type="checkbox"/> 1 year <input type="checkbox"/> 2 year	

Element Group:	Curbs	Length:	6.81 m		
Element Name:	Curbs	Width:	0.2 m		
Location:	East and West	Height:	0.2 m		
Material:	Wood	Count:	2		
Element Type:	Sawn Timber	Total Quantity:	5.5 m <sup>2</sup>		
Environment:	Benign / <b>Moderate</b> / Severe	Limited Inspection	<input type="checkbox"/>		
Protection System:	Treated				Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments: NW curb dislodged. Minor abrasion along east curb.					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab		<input type="checkbox"/> Replace		<b>Maintenance Needs:</b>
	<input type="checkbox"/> 1-5 years		<input type="checkbox"/> 6-10 years		

Element Group:	Decks	Length:	7.0 m		
Element Name:	Deck Top	Width:	5.5 m		
Location:		Height:	0.19 m		
Material:	Wood	Count:	1		
Element Type:	Dimensional Lumber	Total Quantity:	38.5 m <sup>2</sup>		
Environment:	Benign / <b>Moderate</b> / Severe	Limited Inspection	<input checked="" type="checkbox"/>		
Protection System:	Treated				Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments: Rating is based on condition of soffit.					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab		<input type="checkbox"/> Replace		<b>Maintenance Needs:</b>
	<input type="checkbox"/> 1-5 years		<input type="checkbox"/> 6-10 years		

Element Group:	Decks	Length:	7.0 m		
Element Name:	Soffit	Width:	5.5 m		
Location:		Height:	0.19 m		
Material:	Wood	Count:	1		
Element Type:		Total Quantity:	38.5 m <sup>2</sup>		
Environment:	Benign / <b>Moderate</b> / Severe	Limited Inspection	<input type="checkbox"/>		
Protection System:					Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments: In good condition.					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab		<input type="checkbox"/> Replace		<b>Maintenance Needs:</b>
	<input type="checkbox"/> 1-5 years		<input type="checkbox"/> 6-10 years		

Element Group:	Main Longitudinal Elements	Length:	2.0 m		
Element Name:	<b>Girders</b>	Width:	0.21 m		
Location:	North and South Ends	Height:	0.53 m		
Material:	Steel	Count:	4		
Element Type:	<b>W Section (W530x82)</b>	Total Quantity:	13.5 m <sup>2</sup>		
Environment:	Benign / <b>Moderate</b> / Severe	Limited Inspection	<input type="checkbox"/>		
Protection System:					Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments: Light corrosion and coating peeling.					
<b>Recommended Work:</b>		<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	
				<input type="checkbox"/> Urgent <input type="checkbox"/> 1 year <input type="checkbox"/> 2 year	

Element Group:	Main Longitudinal Elements	Length:	4.6 m		
Element Name:	<b>Girders</b>	Width:	0.21 m		
Location:	Interior	Height:	0.53 m		
Material:	Steel	Count:	4		
Element Type:	<b>W Section (W530x82)</b>	Total Quantity:	31.1 m <sup>2</sup>		
Environment:	Benign / <b>Moderate</b> / Severe	Limited Inspection	<input type="checkbox"/>		
Protection System:					Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments: Light rust forming along entire length.					
<b>Recommended Work:</b>		<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	
				<input type="checkbox"/> Urgent <input type="checkbox"/> 1 year <input type="checkbox"/> 2 year	

Element Group:	Coatings	Length:	6.6 m		
Element Name:	<b>Structural Steel</b>	Width:	0.21 m		
Location:	All	Height:	0.53 m		
Material:		Count:	4		
Element Type:		Total Quantity:	44.6 m <sup>2</sup>		
Environment:	<b>Benign</b> / Moderate / Severe	Limited Inspection	<input type="checkbox"/>		
Protection System:					Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments: Corrosion throughout entire length.					
<b>Recommended Work:</b>		<input checked="" type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input checked="" type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	
				<input type="checkbox"/> Urgent <input type="checkbox"/> 1 year <input type="checkbox"/> 2 year	

Element Group:	Abutments	Length:	4.0 m		
Element Name:	<b>Abutment Walls</b>	Width:	5.5 m		
Location:	North and South	Height:	3.4 m		
Material:	Wood	Count:	2		
Element Type:	<b>Rock-Filled Timber Crib</b>	Total Quantity:	37.4 m <sup>2</sup>		
Environment:	<b>Benign</b> / Moderate / Severe	Limited Inspection	<input type="checkbox"/>		
Protection System:	Pressure Treated				Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments: In good condition.					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	<input type="checkbox"/> Urgent <input type="checkbox"/> 1 year <input type="checkbox"/> 2 year	

Element Group:	Abutments	Length:	N/A		
Element Name:	<b>Bearings</b>	Width:	N/A		
Location:	North & South	Height:	N/A		
Material:	Wood	Count:	4		
Element Type:	<b>Sawn Timbers</b>	Total Quantity:	4 each		
Environment:	<b>Benign</b> / Moderate / Severe	Limited Inspection	<input type="checkbox"/>		
Protection System:	Pressure Treated				Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments:					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	<input type="checkbox"/> Urgent <input type="checkbox"/> 1 year <input type="checkbox"/> 2 year	

Element Group:	Signs	Length:			
Element Name:	<b>Load Posting Sign</b>	Width:			
Location:	North & South	Height:			
Material:		Count:	2		
Element Type:		Total Quantity:	2 each		
Environment:	<b>Benign</b> / Moderate / Severe	Limited Inspection	<input type="checkbox"/>		
Protection System:					Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / each / % / all	Exc.	Good	Fair	
Comments: South approach load posting sign missing					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	18 <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> 1 year <input type="checkbox"/> 2 year	
Install load posting sign					

Element Group:	Embankments & Streams			Length:	
Element Name:	<b>Streams and Waterways</b>			Width:	
Location:				Height:	
Material:				Count:	1
Element Type:				Total Quantity:	1
Environment:	<b>Benign</b> / Moderate / Severe			Limited Inspection	<input type="checkbox"/>
Protection System:					Perform. Deficiencies
<b>Condition Data:</b>	Units m <sup>2</sup> / m / <b>each</b> / % / all	Exc.	Good	Fair	Poor
					1
<b>Comments:</b> Beaver dam upstream at abutment.					
<b>Recommended Work:</b>	<input type="checkbox"/> Rehab <input type="checkbox"/> Replace <input type="checkbox"/> 1-5 years <input type="checkbox"/> 6-10 years		<b>Maintenance Needs:</b>	11	
			<input type="checkbox"/> Urgent <input checked="" type="checkbox"/> 1 year <input type="checkbox"/> 2 year Remove beaver dam		



1. B-030 2024-10-23 East Elevation



2. B-030 2024-10-23 West Elevation



3. B-030 2024-10-23 South Approach Looking North



4. B-030 2024-10-23 East Barrier Over Structure



5. B-030 2024-10-23 West Barrier Over Structure



6. B-030 2024-10-23 Abrasions in Curb



7. B-030 2024-10-23 Deck Looking North



8. B-030 2024-10-23 Barrier Post Leaning



9. B-030 2024-10-23 Girders and Soffit Typical



10. B-030 2024-10-23 Birds Nest on Structure



11. B-030 2024-10-23 North Abutment



12. B-030 2024-10-23 South Abutment



13. B-030 2024-10-23 Northeast Embankment



14. B-030 2024-10-23 Northwest Embankment



15. B-030 2024-10-23 Southeast Embankment



16. B-030 2024-10-23 Southwest Embankment



17. B-030 2024-10-23 East Waterway Upstream



18. B-030 2024-10-23 West Waterway Downstream



19. B-030 2024-10-23 Bever Dam Below Structure