

Inventory Data:

Structure Name:	Bay street bridge - Bridge #10		
Main Hwy. / Road #:	Bay Street	On <input checked="" type="checkbox"/> Under	Crossing Type: Navig. Water
Highway / Road Name:	Bay Street		
Structure Location:	0.5 km W of Highway 520		
Easting	17 605251	Northing	5057500
Owner(s):	Municipality of Magnetewan	Heritage Designation:	Not cons.
MTO Region:	Northeastern Region	Road Class:	200
MTO District:	Huntsville	Posted Speed:	80
		No. of Lanes:	2
Old County:		AADT:	105
		% Trucks:	
Geographic Twp.		Inspection Route Sequence:	
Structure Type:	Other - Undefined	Interchange Number:	
Total Deck Length:	6.9 m	Interchange Structure No.	
Overall Str. Width:	9.3 m	Min. Vertical Clearance:	m
Total Deck Area:	64.17 m ²	Special Routes:	N/A
Roadway Width:	7.3 m	Detour Length Around Bridge:	km
Skew Angle:	0 deg.	Direction of Structure:	E-W
No. of Spans: Span	1	Fill on Structure:	m
Lengths:	6.6 m		

Historical Data:

Year Built:	1960	Year of Last Major Rehab:	
Last OSIM Inspection:	2021	Last Evaluation:	
Last Enhanced OSIM Inspec.		Current Load Limit:	tonnes
Enhanced Access Equipment:		Load Limit By-Law #:	
Last Underwater Inspection:		By-Law Expiry Date:	
Last Condition Survey:			

Rehab History: (Date/description)

Scheduled Improvements:Regional Priority
Number:Programmed Work
Year:

Nature of Program Work:

Appraisal Indices:**Comments:**

Fatigue

Seismic

Scour

Flood

Geometrics

Barrier

Curb

Load Capacity

Field Inspection Information:			
Date of Inspection:		Type of Inspection:	OSIM
Inspector:	Kevin Hawley, P.Eng.		
Others in Party:			
Access Equipment Used:	Camera, Measuring Tape (3m), Boots, Hat, Gloves, Vest, Inspection Forms and Clip Boards		
Weather:	Sunny		
Temperature:	20 °C		

Additional Investigations Required:		Priority:
Material Condition Survey		
	Detailed Deck Condition Survey:	None
	Non-destructive Delamination Survey of Asphalt-Covered Deck:	None
	Concrete Substructure Condition Survey:	None
	Detailed Timber Investigation:	None
	Post-Tensioned Strand Investigation:	None
Underwater Investigation:		None
Fatigue Investigation:		None
Seismic Investigation:		None
Structure Evaluation:		None
Monitoring		
	Monitoring of Deformations, Settlements, and Movements:	None
	Monitoring Crack Widths:	None
Recommendation Notes:		
<p><i>Maintenance Recommendations:</i></p>		

Recommended Work on Structure:	Replace
Timing of Recommended Work:	Now
Overall Comments:	2 of 6 Piles on west side show signs of failure
	1 of 6 piles on on east side shows signs of failure
	Concrete overlay is failing
	Wood deck is sagging on North Side
Date of Next Inspection:	2025

BRIDGE PHOTOGRAPHS

Owner: Municipality of Magnetewan

Hwy/Road Name: Bay Street

Structure Name: Bay street bridge - Bridge #10

Location: 0.5 km W of Highway 520



Photo 1: Damaged Soffit And Piles



Photo 2: Failing Pile

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Photo 3: Failing Pile



Photo 4: Sagging of Soffit

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Photo 5: Elevation Shot

Repair and Rehabilitation Required:		Priority				Estimated Construction Cost
Element	Repair and Rehabilitation Required	6 to 10 years	1 to 5 years	Within 1 year	Urgent	
Bridge #10	Replacement				X	\$ 750,000.00
Bridge #10	Engineering Fees					\$ 75,000.00
Total Cost						\$ 825,000.00

Associated Work:	Comments	Estimated Cost
Approaches:		
Detours:		
Traffic Control:		
Utilities:		
Right of Way:		
Environmental Study:		
Other:		
Contingencies:		
Total Cost		\$ -