
	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07262021-12</b>	
<b>Date:</b> 7/5/2021	<b>Inspected By:</b> Justine Geddes	<b>Category:</b> Office - Bridge Office	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	3-058 - WINDMILL BROOK BRIDGE #1 SOUTH		
<b>Route:</b>		<b>Overall Length:</b>	19.8 m
<b>Year Built:</b>	1967	<b>Est:</b> No	<b>Overall Width:</b> 10.3 m
<b>Year Last Rehab.:</b>	1985	<b>Est:</b> No	<b>Roadway Width:</b> 9 m
<b>Region:</b>	CENTRAL WEST	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	1 m
<b>Type of Structure:</b>	02 - Double Tee	<b>Max Depth of N.W.L.:</b>	1 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters		<b>Spans:</b>
<b>Type of Handrail:</b>	01 - Aluminum Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	16.2   4   0
<b>Alignment Vertical:</b>	01 - Good	2	0   5   0
<b>Alignment Horizontal:</b>	01 - Good	3	0   6   0
<b>Restrictions:</b>	No		
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F1 - Fair	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	F1 - Fair
<b>Comments:</b>	Some cracking, little change from last visit by BO		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Expansion Joints:</b>	U - Uninspectable
<b>Comments:</b>	Edge double Tees have spalled, lost pretensioning strands and crumbling. interior double Tees are sound, very little signs of any loss of integrity. edges of deck are eroding. expansion joints either non existent or paved over.		
<b>DECK</b>			
<b>Condition:</b>	P3 - Poor	<b>Curbs:</b>	P1 - Poor
<b>Hand Rail:</b>	F1 - Fair	<b>Roadway Condition:</b>	P1 - Poor

<b>Approach Rail:</b>	F1 - Fair		
<b>Comments:</b>	curbs are crumbling, rails still appear to have structural integrity at the base.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	slow m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	1-2 m	<b>Scour Problem:</b>	P - Possible Problem
<b>Waterway:</b>	02 - InAdequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Bridge pinches river and is unlikely to be adequate for 100 year plus climate change water flows. possible scour under north footing, unlikely to be a risk to structure unless a very high rain event.		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2021	<b>Replacement Year:</b>	2023
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$1000000
<b>Recommendations:</b>	Replace 2025 at latest, may have to reduce to 1 lane at some stage if deck edges keep eroding.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	P3 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Good visibility for traffic, fairly wide shoulder. hazards: traffic, slipping, stinging plants. Requires waders to get under bridge completely, can access 3 corners easily.		
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	<b>Category Definitions:</b>
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		
G - Good.	P - Poor.		
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector sees should be documented by photograph</li> <li>● All items noted above as being P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.