

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B01052021-6</b>	
<b>Date:</b> 4/23/2020	<b>Inspected By:</b> Terrance Coates	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	4-152 - WHEELER BRIDGE NOEL POND		
<b>Route:</b>		<b>Overall Length:</b>	18.3 m
<b>Year Built:</b>	1958	<b>Est:</b> No	<b>Overall Width:</b> 8.9 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 7.5 m
<b>Region:</b>	WEST COAST/NORTHERN		<b>Sidewalk Width:</b> 0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	1.8 m
<b>Type of Structure:</b>	03 - Reinforced Concrete Beam/Slab		<b>Max Depth of N.W.L.:</b> 0.3 m
<b>Purpose of Structure:</b>	03 - Over Navigable Waters		<b>Spans:</b>
<b>Type of Handrail:</b>	02 - Concrete Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	18.3   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>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	P3 - Poor
<b>Comments:</b>	Moderate spalling on bearing seats and wing walls. Moderate corrosion to exposed reinforcement. Some deterioration to bottom of girders.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	F2 - Fair
<b>Comments:</b>	Expansion joints paved over.		
<b>DECK</b>			
<b>Condition:</b>	P3 - Poor	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	P1 - Poor	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	G - Good		
<b>Comments:</b>	Concrete handrail in poor condition and some pieces are missing. Moderate corrosion to exposed reinforcement. New approach rail installed since previous report. (Not structural rail however)		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b>	K - Known Problem
<b>Water Depth:</b>	0 m	<b>Scour Problem:</b>	K - Known Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	K - Known Problem

<b>Comments:</b> Flow under structure is an issue at high water levels.	
<b>REPLACEMENT/REHABILITATION</b>	
<b>Next Rehab. Date:</b> 2021	<b>Replacement Year:</b> 2021
<b>Antic. Rehab. Cost:</b> \$0	<b>Replacement Cost:</b> \$0
<b>Recommendations:</b> Replace handrail. Install end blocks. Latex repairs to bearing seats and girders.	
<b>OBSERVATIONS</b>	
<b>Overall Condition:</b> F1 - Fair	<b>Requires Further Inspection:</b> No
<b>Additional Observations:</b>	
<b>LEGEND:</b>	
<b>Condition Definitions:</b>	
1 - *Good - [discontinued code].	F2 - Fair.
2 - *Fair - [discontinued code].	F1 - Fair.
3 - *Poor - [discontinued code].	P3 - Poor.
4 - *Unsafe - [discontinued code].	P1 - Poor.
G - Good.	P - Poor.
<b>C - Unsafe (Closed to Public).</b>	
<b>U - Uninspectable.</b>	
<b>I - Inapplicable.</b>	
<b>Problem Definitions:</b>	
<b>N - No Problem.</b>	
<b>P - Possible Problem.</b>	
<b>K - Known Problem.</b>	
<b>NA - Not Applicable.</b>	
<b>Category Definitions:</b>	
<b>Maint. - Maintenance.</b>	
<b>Eng. - Engineering.</b>	
<b>Office - Bridge Office.</b>	
<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 feels 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.