

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B08112023-4</b>	
<b>Date:</b> 8/4/2023	<b>Inspected By:</b> Darrell Avery	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	TCH-024 - SALMON RIVER BRIDGE (PORT BLANDFORD)		
<b>Route:</b>	1	<b>Overall Length:</b>	31.5 m
<b>Year Built:</b>	1960	<b>Est:</b> No	<b>Overall Width:</b> 22 m
<b>Year Last Rehab.:</b>	1987	<b>Est:</b> No	<b>Roadway Width:</b> 20 m
<b>Region:</b>	CENTRAL EAST	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	10 m
<b>Type of Structure:</b>	04 - Rigid Frame	<b>Max Depth of N.W.L.:</b>	1 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters		
<b>Type of Handrail:</b>	01 - Aluminum Rail	<b>Spans:</b>	
<b>Roadway Surface:</b>	02 - Asphalt	<b>Span No.:</b>	<b>Length</b>
<b>Alignment Vertical:</b>	01 - Good	1	12.2
<b>Alignment Horizontal:</b>	01 - Good	2	0
<b>Restrictions:</b>	No	3	0
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	G - Good	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	- Major rehab conducted in 2022-23 including concrete repairs to abutments: sides and joint between original structure & widening. Knee wall constructed at abutment 1 right where lower gabions meet brook edge - some gabions still lean towards brook. Upper gabion retaining structure replaced and rip-rap installed. Rip-rap installed at abutment 1 left brook edge. All four approach slabs replaced at each corner of structure widening. Typical areas with map cracking remains.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	- Rehab also included concrete repairs; crack sealing the concrete structure facia on both sides and construction joint repairs between original structure and widening at top and bottom. Typical areas with map cracking remains.		

<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	G - Good
<b>Hand Rail:</b>	G - Good	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	G - Good		
<b>Comments:</b>	- New (2-layers) approach asphalt installed - alignment raised for bridge elevation. Full curb re-construction with new end blocks, new bridge rail and new structural guide rail. Erosion started in shoulder gravel adjacent to bridge.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0.5 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.3 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>			
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>			
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.