

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B05242024-11</b>	
<b>Date:</b> 5/22/2024	<b>Inspected By:</b> Trevor Upshall	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-030 - SOUTH RIVER BRIDGE		
<b>Route:</b>	70	<b>Overall Length:</b>	28.6 m
<b>Year Built:</b>	1998	<b>Est:</b> No	<b>Overall Width:</b> 10.7 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 8 m
<b>Region:</b>	AVALON PENINSULA		<b>Sidewalk Width:</b> 1.9 m
<b>Jurisdiction:</b>	Provincial		<b>Clearance to R.D. or N.W.L.:</b> 2.6 m
<b>Type of Structure:</b>	04 - Rigid Frame		<b>Max Depth of N.W.L.:</b> 2.4 m
<b>Purpose of Structure:</b>	03 - Over Navigable Waters		<b>Spans:</b>
<b>Type of Handrail:</b>	01 - Aluminum Rail		<b>Span No.:</b> <b>Length</b> <b>Span No.:</b> <b>Length</b>
<b>Roadway Surface:</b>	02 - Asphalt		1            14.6      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>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	Assumed condition of buried reinforced frame leg footings. Hairline and medium pattern cracking with light efflorescence in four wingwalls.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Narrow vertical/pattern cracking in frame legs and haunch. Hairline transverse/longitudinal cracks in deck soffit.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F1 - Fair
	F2 - Fair		F2 - Fair

<b>Hand Rail:</b>		<b>Roadway Condition:</b>	
<b>Approach Rail:</b>	F1 - Fair		
<b>Comments:</b>	Narrow and medium vertical/horizontal/pattern cracks in curb fascia. Curb fascia stained from corroded anchor bolts for aluminum handrail posts. Hairline to very wide vertical/horizontal/pattern cracking with light efflorescence and light delamination in end blocks. Light to severe abrasions along sidewalk curbs. Narrow pattern cracking in sloped sidewalk and rock embedded gutters. Medium transverse cracks, hairline longitudinal/pattern cracking in sidewalk surface. Bridge resurfaced in 2023.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	Tidal m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	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>	2028	<b>Replacement Year:</b>	2070
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>			
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			
<b>INSPECTION PHOTOS</b>			

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