

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B09142021-5</b>	
<b>Date:</b> 2/26/2020	<b>Inspected By:</b> Hunt R	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-038 - LITTLE SALMONIER RIVER BRIDGE, N HR		
<b>Route:</b>		<b>Overall Length:</b>	35 m
<b>Year Built:</b>	1978	<b>Est: Yes</b>	<b>Overall Width:</b> 9.5 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 8.7 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	5 m
<b>Type of Structure:</b>	01 - AASH to Girder	<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	<b>Span No.:</b>	<b>Length</b>
<b>Roadway Surface:</b>	02 - Asphalt	1	22.2
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	<b>Span No.:</b>	<b>Length</b>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	- Medium horiz./ vert cracks in abutment footings and faces. - Medium horiz./ vert cracks with heavy efflor. deposits in all 4 wingwalls. - Assumed condition of bearing seats (inspection restricted due to height).		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	F2 - Fair
<b>Comments:</b>	- Light/med. delamin./ spalling with medium corrosion to exposed reinf. on all girders. - Narrow long cracks in expansion joint dams.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	G - Good

<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	G - Good
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	- Medium scrapes, dents and missing end caps on aluminum handrails. - Hazard markers missing on NE end. - Wide trans. cracks in asphalt along expansion joint dams with minor settlement. - Narrow trans. cracks in deck		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0.7 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.6 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	- Some asphalt and slope erosion on corners of structure (medium) - Rip-rap at base of NW/SW wingwalls beginning to migrate into channel		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2023	<b>Replacement Year:</b>	2030
<b>Antic. Rehab. Cost:</b>	\$30	<b>Replacement Cost:</b>	\$2000
<b>Recommendations:</b>	- Install missing hazard marker (maint.) - Clean out expansion joint dams - Fix shoulder erosion and place rip-rap		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	- Remaining observations unchanged from previous inspection done in 2018		
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
<b>Category Definitions:</b>			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
<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.