

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B01132020-32</b>	
<b>Date:</b> 9/19/2019	<b>Inspected By:</b> Lynch R / Martin L	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	TCH-051 - SHEFFIELD BROOK BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	48.5 m
<b>Year Built:</b>	1965	<b>Est:</b> No	<b>Overall Width:</b> 9.9 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 8.3 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>	2 m
<b>Type of Structure:</b>	01 - AASH to Girder	<b>Max Depth of N.W.L.:</b>	0 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>
<b>Roadway Surface:</b>	02 - Asphalt	1	31.5
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F1 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	Bearings fatigued. Spall at bearing seat abutment #2, LHS. Narrow cracks in abutments from drains. Hairline-narrow cracks in wing walls and back walls.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	F2 - Fair
<b>Comments:</b>	Spalling with exposed rebar in girder flange bottoms at abutment #1. A lot of concrete debris behind girders.		
<b>DECK</b>			
<b>Condition:</b>	F1 - Fair	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	Hand rails damaged with broken posts. Deck drain #2 LHS is leaking. Surface at abutment #2 LHS, adjacent to expansion joint is settled and patched; patch is severely cracked. Multiple patches in deck. Evidence of deck leaking from transverse cracks. End blocks at abutment #2 damaged.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0 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> Repair settlement in deck approaches, Guiderail, Handrails/posts, spalls in abutments, leaking deck drain. Replace bearings and clean out behind girders.			
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b> Bridge super-elevated. Only 2 deck drains; LHS.			
<b>LEGEND:</b>			
<b>Condition Definitions:</b>			
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	<b>Problem Definitions:</b>
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	N - No Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	P - Possible Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		K - Known Problem.
G - Good.	P - Poor.		NA - Not Applicable.
<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.