

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B05302019-1</b>	
<b>Date:</b> 5/30/2019	<b>Inspected By:</b> Hunt R	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-309 - LAWRENCE BROOK BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	10.2 m
<b>Year Built:</b>	1973	<b>Est: Yes</b>	<b>Overall Width:</b> 13.8 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 12.8 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> 0.6 m
<b>Type of Structure:</b>	04 - Rigid Frame		<b>Max Depth of N.W.L.:</b> 0.4 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> <u>Span No.:</u> <u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	4   4   0
<b>Alignment Vertical:</b>	02 - Adequate	2	0   5   0
<b>Alignment Horizontal:</b>	02 - Adequate	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>	Original structure extended approximately 2.0m upstream and downstream. Assumed condition of buried and submerged reinforcement concrete frame leg footings.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Some light spalling and honey combing on all four wingwalls.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair

<b>Approach Rail:</b>	I - Inapplicable		
<b>Comments:</b>	Light scrapes and dents to aluminum hazards especially upstream. Small hazard markers on one corner of structure. No guide rail at approach or exit. Some narrow cracks and light efflon deposits in deck soffit.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0.1 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.5 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Some light sholder erosion at corners of the structure. Slight gabion retaining walls on 3 corners of the structure. Some bulging in downstream gabion baskets.		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2019	<b>Replacement Year:</b>	2030
<b>Antic. Rehab. Cost:</b>	\$40	<b>Replacement Cost:</b>	\$300
<b>Recommendations:</b>	Repair section of aluminum rail on upstream end. Install approach and exit rail C/W hazard markers. Repair asphalt on deck and approaches		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			
<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>			