

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B05242019-2</b>	
<b>Date:</b> 5/24/2019	<b>Inspected By:</b> Pickett R	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-121 - COLLIERS RIVER BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	27.6 m
<b>Year Built:</b>	1970	<b>Est: No</b>	<b>Overall Width:</b> 11.6 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 8.6 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	1.5 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	1.6 m
<b>Type of Structure:</b>	01 - AASH to Girder	<b>Max Depth of N.W.L.:</b>	0.3 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	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Vertical:</b>	01 - Good	1	17.8
<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>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	Medium/wide vertical cracks in abutment faces extending onto bearing seats.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F1 - Fair	<b>Expansion Joints:</b>	F1 - Fair
<b>Comments:</b>	Wide cracks with severe delamination on upstream wing wall. Medium wide longitudinal cracks on exterior girders, remainder has narrow/medium cracks. Minor delamination and spalling with light corrosion to expand rebar in some diaphragms and exit girders.		
<b>DECK</b>			
<b>Condition:</b>	F1 - Fair	<b>Curbs:</b>	F1 - Fair

<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F1 - Fair
<b>Approach Rail:</b>	G - Good		
<b>Comments:</b>	Medium spalling and delamination with narrow cracks in deck, with medium corrosion to exposed rebar. Light effloresce on exterior soffit. Medium cracks and delamination and spalls to side walls and facials. Minor scrapes and delamination in aluminum rails.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0.5 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>	P - Possible Problem
<b>Comments:</b>	Moderate slope erosion all about ends.		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2025	<b>Replacement Year:</b>	2035
<b>Antic. Rehab. Cost:</b>	\$75	<b>Replacement Cost:</b>	\$750
<b>Recommendations:</b>			
<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>		<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:			
● Any item which inspector feels should be documented by photograph			
● All items noted above as being P3, P1, P, or C			
● Any evidence of known ice, scour, debris, waterway problems			
<b>INSPECTION PHOTOS</b>			