

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05292020-18	
Date: 5/29/2020	Inspected By: Alex Ford	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-044 - RATTLE BROOK BRIDGE		
Route:	210	Overall Length:	38 m
Year Built:	2012	Est: No	Overall Width: 13.5 m
Year Last Rehab.:		Est: No	Roadway Width: 12.2 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	3 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	05 - Concrete Barrier		
Roadway Surface:	02 - Asphalt	Spans:	
Alignment Vertical:	01 - Good	<u>Span No.:</u>	<u>Length</u>
Alignment Horizontal:	01 - Good	<u>Span No.:</u>	<u>Length</u>
Restrictions:	No	1	19
		2	0
		3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	G - Good	Bearings:	G - Good
		Bearing Seat:	G - Good
Comments:	Concrete abutments and wingwalls. A few light cracks.		
SUPERSTRUCTURE			
Condition:	G - Good	Expansion Joints:	F2 - Fair
Comments:	6 AASHTO girders, semi integral design. Some hot pour seal in asphalt missing. Girder 1 appears to be rust stained.		
DECK			
Condition:	F2 - Fair	Curbs:	G - Good
Hand Rail:	F2 - Fair	Roadway Condition:	G - Good

Approach Rail:	F2 - Fair		
Comments:	Concrete deck with asphalt wearing surface. Underside of deck has some cracking perpendicular to the girders at fairly even spacing - approx. 1m - with efflorescence. Concrete barrier hand rail has some vertical through cracks, usually two locations between every control joint.		
HYDROLOGY			
Water Velocity:	1.0 m/s	Ice Problem:	N - No Problem
Water Depth:	2.5 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2020	Replacement Year:	2020
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Reseal asphalt cuts at movement points.		
OBSERVATIONS			
Overall Condition:	G - Good	Requires Further Inspection:	No
Additional Observations:			
LEGEND:			
Condition Definitions:		Problem Definitions:	
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.		Category Definitions:
			Maint. - Maintenance.
			Eng. - Engineering.
			Office - Bridge Office.
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● 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 			
INSPECTION PHOTOS			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.