

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01132020-1	
Date: 11/18/2019	Inspected By: Lynch R / Burge H	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-034 - RATTLING BROOK BRIDGE		
Route:		Overall Length:	45.9 m
Year Built:	1967	Est: No	Overall Width: 13.7 m
Year Last Rehab.:		Est: No	Roadway Width: 12.3 m
Region:	CENTRAL WEST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	4 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	01 - Aluminum Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt	1	22.9 4 0
Alignment Vertical:	01 - Good	2	0 5 0
Alignment Horizontal:	01 - Good	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	F2 - Fair
Comments:	Medium-wide cracks in abutments. Wide cracks in rehabilitations to abutment corners. Spall on bearing seat of abutment #2 between girders 2 and 3. Abutment #1 exposed and disintegrating on LHS.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair
Comments:	Evidence of joints leaking (staining on abutments). Small spalls with rebar exposed on bottoms of girder 7 at abutment #2. Diaphragm at abutment #1 between girders 2 and 3 disintegrated.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Asphalt cracked at joints with large patches. No evidence of deck leaking beneath deck. Medium cracking in curbs. Water pooling on RHS of expansion joint #1. End blocks cracked and disintegrating on LHS; cracked on RHS.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	P - Possible Problem
	0 m		K - Known Problem

Water Depth:		Scour 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: Repair surface asphalt, repair end blocks, diaphragm and bearing seat.			
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations: Could not see bearings.			
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 F3, F1, P1, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			

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