

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07162021-9	
Date: 7/9/2021	Inspected By: McCaw J	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	3-080 - RATTLING BROOK BRIDGE #ONE		
Route:	351	Overall Length:	21.7 m
Year Built:	1955	Est: No	Overall Width: 9.8 m
Year Last Rehab.:		Est: No	Roadway Width: 8.5 m
Region:	CENTRAL WEST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	6 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	18.4
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Some cracking and efflor on abutments. Wingwalls have cracking, spalling, and efflorescence Significant horizontal gap at footing/abutment joint.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Efflorescence coming out of deck. Cracking and spalling on underside of deck along centerline of roadway.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	G - Good	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Potholes on surface. Cracking at edges of frame.		
HYDROLOGY			
Water Velocity:	2.0 m/s	Ice Problem:	N - No Problem
Water Depth:	0.5 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem

Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2027	Replacement Year:	2045
Antic. Rehab. Cost:	\$150000	Replacement Cost:	\$3000000
Recommendations:	Install steel handrail and new guiderail. Remove asphalt and repair deck. Patch holes/cracks in abutments.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Hydro dam located upstream. Parking ok. Hazards: traffic, slipping, water		
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.