

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07162021-10	
Date: 7/9/2021	Inspected By: McCaw J	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	3-082 - RATTLING BROOK BRIDGE #TWO		
Route:	351	Overall Length:	35.6 m
Year Built:	1979	Est: No	Overall Width: 11.5 m
Year Last Rehab.:		Est: No	Roadway Width: 10.5 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>
Roadway Surface:	02 - Asphalt	1	23.1
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Cracks and efflorescence at abutment corners		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	Expansion joints filled in with asphalt and leaking		
DECK			
Condition:	F2 - Fair	Curbs:	F1 - Fair
Hand Rail:	P1 - Poor	Roadway Condition:	F1 - Fair
Approach Rail:	F1 - Fair		
Comments:	Numerous posts have plow damage. Curbs damaged near expansion joints.		
HYDROLOGY			
Water Velocity:	0.8 m/s	Ice Problem:	N - No Problem
Water Depth:	0.4 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Erosion at ends of wingwall.		

REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2027	Replacement Year:	2060
Antic. Rehab. Cost:	\$500000	Replacement Cost:	\$3000000
Recommendations:	Install new curbs and end blocks. Replace expansion joints. Repair abutment cracking. Install new approach rails. Parking ok		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	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:
PHOTO GUIDELINES:		Maint. - Maintenance.	
Inspection Photos:		Eng. - Engineering.	
Please provide photos using guidelines below:		Office - Bridge Office.	
<ul style="list-style-type: none"> ● Any item which inspector feels should be documented by photograph ● All items noted above as being P3, P4, 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.