

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01172023-1	
Date: 4/18/2022	Inspected By: Mike Fleming	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-084 - ROSE BLANCHE BROOK BRIDGE		
Route:		Overall Length:	27.6 m
Year Built:	1972	Est: No	Overall Width: 10.1 m
Year Last Rehab.:		Est: No	Roadway Width: 8.6 m
Region:	WEST COAST/NORTHERN		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:	03 - Over Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt	1	15.3 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:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	light/minor scouring and horizontal and vertical hairline fractures noted on abutments. Light efflorescence deposits with hairline vertical fracturing noted on wingwalls.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor
Comments:	Cannot fully assess expansion joints as joints are patched with cold mix; however, expansion joints are leaking on the below abutments. Potholes are also noted adjacent to expansion joints. Drain extensions are missing and light scaling and surface water stains were noted on the girders adjacent to deck drains.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Significant accumulation of winter sand on deck adjacent to curb; curb is unable to move/direct surface water efficiently to the drains as shown by water staining on the wingwalls. Some minor/light settlement noted on the approaches and moderate erosion and settlement on the paved shoulder near the endblocks. Light to moderate horizontal fractures in the concrete rail. Potholes noted adjacent to expansion joints. No structural approach rail noted and existing rail is not tied into the endblocks creating a hazard.		
HYDROLOGY			

Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	0 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations: Replace expansion joints with asphalt plugs, Install drain extensions, and install structural rail			
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations: Missing two hazards markers; remaining two are damaged and worn. Inspection photos are on file.			
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 2024.