

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B02152023-5	
Date: 5/17/2022	Inspected By: Mike Fleming	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-087 - MAIN BROOK BRIDGE		
Route:		Overall Length:	69.2 m
Year Built:	1967	Est: No	Overall Width: 9 m
Year Last Rehab.:	2000	Est: No	Roadway Width: 7.4 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.3 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0 m
Purpose of Structure:	03 - Over Navigable Waters		Spans:
Type of Handrail:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	01 - Concrete	Span No.:	Length
Alignment Vertical:	01 - Good	1	31.4
Alignment Horizontal:	01 - Good	2	31.4
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	G - Good
		Bearing Seat:	F2 - Fair
Comments:	Light/minor deterioration on one section of the bearing seat. Light to moderate vertical cracking noted on pier with erosion noted at the bottom of the pier. Light to moderate amount of spalling and deterioration on the abutments and wingwalls with exposed and corroded steel. Significant amount of debris noted on top of footings from damaged expansion joints --blocking abutment drains.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	Expansion joints are leaking onto the below abutments and exposed footings causing deterioration.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Moderate amount of potholes noted on approaches. Moderate to severe transverse cracking noted on the approach side of both expansion joints. One top horizontal rail detached and another section damaged.		
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:	2023	Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations: Replace expansion joints and repair abutments and wingwalls with latex.			
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations: Pics 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 F3, F4, P1, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.