

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01232023-7	
Date: 4/21/2022	Inspected By: Mike Fleming	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-031 - BROOM BROOK BRIDGE		
Route:		Overall Length:	56.3 m
Year Built:	1962	Est: No	Overall Width: 8.8 m
Year Last Rehab.:		Est: No	Roadway Width: 7.3 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3.6 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab		Max Depth of N.W.L.: 0 m
Purpose of Structure:	03 - Over Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail		
Roadway Surface:	01 - Concrete	Span No.:	Length
Alignment Vertical:	01 - Good	1	23.7
Alignment Horizontal:	02 - Adequate	2	23.7
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	F1 - Fair
		Bearing Seat:	F1 - Fair
Comments:	Bearing pads appear to be significantly compressed; moderate damage/spalling noted on one section of the bearing seat. Cannot assess bearings on the piers. Moderate efflorescent deposits noted on abutment head and wingwalls.		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	P3 - Poor
Comments:	Moderate potholes/loss of concrete/steel gouged at expansion joints. Sections of moderate spalling and delamination on the underside of girders with exposed and corroded longitudinal rebar.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair
Hand Rail:	G - Good	Roadway Condition:	F1 - Fair
Approach Rail:	F2 - Fair		
Comments:	Light concrete segregation and numerous small potholes noted on the surface of the deck. Moderate potholes and asphalt cracks noted between expansion joints and approaches. Moderate spalling and efflorescent deposits noted on curb fascia and soffit. Minor damage noted on approach rail.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	N - No Problem

Water Depth:	0 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:	Minor accumulation of debris noted at the pier upstream.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2026	Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace expansion joints, repair potholes in concrete deck, resurface approaches, repair damage to abutments and girders.		

OBSERVATIONS

Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	No Hazard Markers. Pics on File		

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

PHOTO GUIDELINES:

Inspection Photos:

Please provide photos using guidelines below:

- 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