

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01062021-11	
Date: 5/20/2020	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		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	01 - Concrete	1	23.7 4 0
Alignment Vertical:	01 - Good	2	23.7 5 0
Alignment Horizontal:	02 - Adequate	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	G - Good	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Some spalling noted on one bearing seat. Cannot assess bearings and bearing seat on pier. Efflorescent deposits noted on abutments and sidewalls.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	Cannot fully assess expansion joints due to accumulation of winter sand. Some minor spalling noted on underside of girders; longitudinal cracks also observed on one outside girder next to bearing seat.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	G - Good	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Some concrete segregation and small potholes noted on the surface of concrete deck. Asphalt cracking noted between expansion joints and approaches. Spalling and efflorescent deposits noted on curb fascia and soffit. Some minor damage noted on the approach rail.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	N - No Problem
	0 m		N - No Problem

Water Depth:		Scour Problem:	
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:		Note: minor amount of wood debris noted in front of pier.	
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:			
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations: No Hazard Markers and significant accumulation of winter-sand along curbs, approach rails, and expansion joints. Note: Pictures are on file due to size restrictions.			
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.