

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01052021-5																	
Date: 4/23/2020	Inspected By: Terrance Coates	Category: Eng. - Engineering																	
BRIDGE INFORMATION																			
Site:	4-068 - BLACK DUCK BROOK BRIDGE																		
Route:		Overall Length:	18.8 m																
Year Built:	1966	Est: No	Overall Width: 9.1 m																
Year Last Rehab.:	1988	Est: No	Roadway Width: 8.1 m																
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m																
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.9 m																
Type of Structure:	03 - Reinforced Concrete Beam/Slab		Max Depth of N.W.L.: 0.5 m																
Purpose of Structure:	03 - Over Navigable Waters		Spans:																
Type of Handrail:	01 - Aluminum Rail		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th><u>Span No.:</u></th> <th><u>Length</u></th> <th><u>Span No.:</u></th> <th><u>Length</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>11.6</td> <td>4</td> <td>0</td> </tr> <tr> <td>2</td> <td>0</td> <td>5</td> <td>0</td> </tr> <tr> <td>3</td> <td>0</td> <td>6</td> <td>0</td> </tr> </tbody> </table>	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>	1	11.6	4	0	2	0	5	0	3	0	6	0
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1	11.6	4	0																
2	0	5	0																
3	0	6	0																
Roadway Surface:	02 - Asphalt																		
Alignment Vertical:	01 - Good																		
Alignment Horizontal:	02 - Adequate																		
Restrictions:	No																		
BRIDGE PHOTOS																			
																			
SUBSTRUCTURE																			
Condition:	G - Good	Bearings:	G - Good																
		Bearing Seat:	F2 - Fair																
Comments:	Minor scour and undermining on the west abutment footing. Abutment walls require some latex repairs. Bearing seats have some deterioration.																		
SUPERSTRUCTURE																			
Condition:	G - Good	Expansion Joints:	I - Inapplicable																
Comments:	No mechanical joint.																		
DECK																			
Condition:	F2 - Fair	Curbs:	G - Good																
Hand Rail:	F2 - Fair	Roadway Condition:	G - Good																

Approach Rail:	P1 - Poor		
Comments:	Snow plow damage to aluminum handrail. Approach rail needs to be replaced. Deck drains are deteriorated and need to be replaced. Some minor deck repairs done in 2019 with a quikrete product that was not approved. Deck was then repaved.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	K - Known Problem
Water Depth:	0 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	K - Known Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace approach rail. Repair aluminum handrail. Replace signage. Latex repairs to bearing seats.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			
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.