

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B08162023-2	
Date: 11/1/2022	Inspected By: M Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	4-195 - DOCTOR'S BROOK BRIDGE		
Route:		Overall Length:	29.6 m
Year Built:	1962	Est: No	Overall Width: 9.2 m
Year Last Rehab.:		Est: No	Roadway Width: 7.6 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.8 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0.3 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	23.7 4 0
Alignment Vertical:	01 - Good	2	0 5 0
Alignment Horizontal:	01 - Good	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	P3 - Poor
		Bearing Seat:	F1 - Fair
Comments:	- Both abutment walls, bearing seats, and wingwalls are in fair condition after recent rehabilitation work, F1. - Bearings appear to be worn, bulging, P3.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	F2 - Fair
Comments:	- Girders – Recent rehabilitation fixed concrete pop outs on the underside of girders. The spalls are exposing rebar with medium corrosion at bearing locations, F1 to P3. - Diaphragms have several areas of light cracking throughout, F1. - Drainage pipes deck soffit are in fair condition, F1. - Expansion joints are in fair condition, F2.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	F1 - Fair		
Comments:	- Asphalt deck and approach slabs are in fair condition, F2. - End blocks and curb are in fair condition. There is light disintegration in local areas, F2. - Handrails are in overall fair condition. There is light corrosion and scraping in local areas, F1. - Guiderails are in fair condition. There are damaged posts on the North section of the guiderail. The damaged posts are disconnected from the timber blocks. Guiderail has all four hazard markers and post spacing is acceptable, F1.		
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:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2033	Replacement Year:	2037
Antic. Rehab. Cost:	\$200000	Replacement Cost:	\$0
Recommendations:	Recommended to replace bearings and repair girder ends		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations: - Bridge is in overall fair condition, F1 with F2 and P3 areas.			
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.		
PHOTO GUIDELINES:		Category Definitions:	
Inspection Photos:		Maint. - Maintenance.	
Please provide photos using guidelines below:		Eng. - Engineering.	
<ul style="list-style-type: none"> ● Any item which inspector sees 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 		Office - Bridge Office.	
INSPECTION PHOTOS			

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