

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01082021-8	
Date: 5/1/2020	Inspected By: Terrance Coates	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-105 - MIDDLE BARACHOIS BROOK BRIDGE		
Route:		Overall Length:	132 m
Year Built:	1981	Est: No	Overall Width: 11.2 m
Year Last Rehab.:		Est: No	Roadway Width: 8.7 m
Region:	WEST COAST/NORTHERN	Sidewalk Width:	2 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	8.1 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	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	36.2
Alignment Vertical:	01 - Good	2	36.2
Alignment Horizontal:	01 - Good	3	36.2
Restrictions:	No	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	G - Good	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	Top of abutment walls appear to be in good condition, assuming bearing seat is in good condition as well.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	P1 - Poor
Comments:	Expansion joints in poor condition, rubber seal missing in places causing leaking and concrete deteriorated. The two expansion joints over the piers have been paved over.		
DECK			
Condition:	P3 - Poor	Curbs:	P3 - Poor
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor
Approach Rail:	P3 - Poor		
Comments:	Asphalt on deck and approaches has deteriorated. Lots of potholes on north approach and around expansion joint. Concrete deterioration on curbs and fascia. Section of aluminum handrail damaged by snow plow. No end blocks or structural guide 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:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace expansion joints. Repair aluminum handrail. Install new end blocks c/w Michigan shoe insert and structural rail. Resurface curbs in deteriorated areas.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Winter sand build-up along curbs. Waterline attached to outside face of downstream curb.		
LEGEND:			
Condition Definitions:			
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	Problem Definitions:
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	N - No Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	P - Possible Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		K - Known Problem.
G - Good.	P - Poor.		NA - Not Applicable.
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.