

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01142021-3	
Date: 11/7/2020	Inspected By: Mike Fleming	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-038 - CASTOR RIVER BRIDGE		
Route:		Overall Length:	80.8 m
Year Built:	1966	Est: No	Overall Width: 8.9 m
Year Last Rehab.:	2006	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.:	3.8 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:	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	23.5 5 0
Alignment Horizontal:	01 - Good	3	23.7 6 0
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	P3 - Poor
Comments:	Delamination, spalling, and efflorescence deposits noted on piers and one pier is missing a ice-shield. Spalling on one pier extends to the bearing seat. Moderate vertical cracking also noted on piers. Hairline alligator cracking noted on abutment sidewall. Unable to fully assess bearings and bearing seats.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor
Comments:	Minor amounts of exposed rebar with light corrosion on underside of some girders. Hairline alligator cracking noted on the two outside girder facias. Expansion joints appear to be leaking as the below abutments are wet.		
DECK			
Condition:	F2 - Fair	Curbs:	P3 - Poor
Hand Rail:	G - Good	Roadway Condition:	P3 - Poor
Approach Rail:	F2 - Fair		
Comments:	Fairly new asphalt placed on deck and approaches. Minor damage noted on two buried ends of approach rail. Sections of significant spalling noted on curb fascia that is compromising the hand rail attachment. Moderate spalling and longitudinal cracking noted on deck fascia		
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:			
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes
Additional Observations: Inspection pictures on file.			
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 F3, F1, P1, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.