

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06302021-4	
Date: 1/29/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-150 - CAPE BROYLE BRIDGE		
Route:		Overall Length:	33.68 m
Year Built:	1997	Est: No	Overall Width: 9.6 m
Year Last Rehab.:		Est: No	Roadway Width: 8.8 m
Region:	AVALON PENINSULA	Sidewalk Width:	1 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	4 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	05 - Concrete Barrier	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	19.6
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Assumed condition of buried reinforced concrete frame leg footings and approach slabs		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Some narrow vertical in faces of both frame legs extending up vertically into leg haunches. Narrow vertical cracks with light efflorescence deposits in exterior faces of fame lags. Hairline alligator cracks in all four wingwalls.		
DECK			
Condition:	G - Good	Curbs:	I - Inapplicable
Hand Rail:	F2 - Fair	Roadway Condition:	I - Inapplicable

Approach Rail:	F2 - Fair		
Comments:	Some medium rutting and small potholes in asphalt deck and approaches. Some hazard markers missing. Narrow vertical and hairline alligator cracks in concrete barrier walls. Medium scrapes and dents in approach and exit rail. Erosion continues under rock embedded concrete gutter.		
HYDROLOGY			
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem
Water Depth:	0.3 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Due to snow conditions unable to see sides and shoulder. Assuming the same as previous inspection in 2018.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2023	Replacement Year:	2047
Antic. Rehab. Cost:	\$30000	Replacement Cost:	\$800000
Recommendations:	Install missing hazard markers. Repair asphalt on decks and approaches. Fix erosion on gutters		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Same as previous estimate in 2018		
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.