

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06192019-1	
Date: 6/19/2019	Inspected By: lyver C	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-349 - HAT POND BROOK BRIDGE CBN BYPASS		
Route:		Overall Length:	29.3 m
Year Built:	2002	Est: No	Overall Width: 14.1 m
Year Last Rehab.:		Est: No	Roadway Width: 11.2 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.9 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0.3 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	11.3
Alignment Horizontal:	02 - Adequate	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/submerged reinforced concrete frame leg footings.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Numerous hairline narrow alligator cracks in 4 wingwalls. Narrow vertical cracks in faces of frame legs cracks extended into deck soffit.		
DECK			
Condition:	F2 - Fair	Curbs:	I - Inapplicable
Hand Rail:	F2 - Fair	Roadway Condition:	I - Inapplicable

Approach Rail:	F2 - Fair		
Comments:	Numerous hairline narrow alligator cracking with light efflor deposits in deck soffit. Medium longitudinal angular cracks in exposed deck surface. Numerous medium vertical cracks in barrier walls, barrier walls end block.		
HYDROLOGY			
Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.4 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Type 3 hyd rip rap at 4 corners of the structure along front of frame legs along river banks remain in fair condition.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2035	Replacement Year:	2077
Antic. Rehab. Cost:	\$100	Replacement Cost:	\$800
Recommendations:	Install missing hazard markers.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Unchanged from 2011 inspection.		
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.