

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05292020-31	
Date: 5/28/2020	Inspected By: AB	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-106 - HATCHET COVE BRIDGE		
Route:	205-11-3	Overall Length:	10 m
Year Built:	1975	Est: No	Overall Width: 5 m
Year Last Rehab.:		Est: No	Roadway Width: 4.3 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.5 m
Type of Structure:	11 - Timber Bridge	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	03 - Timber Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber	1	6
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	Yes	<u>Span No.:</u>	<u>Length</u>
Describe Restrictions:	Bridge is one lane only. Road not maintained in winter.		
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	U - Uninspectable
Comments:	Abutment walls closed face creosote timber 150mm x 200mm. Wing walls open face 150mm x 150mm creosote timber. Light weathering and cracking throughout. Abutment one right wing wall leaning. Due to unsafe armor stone, the Bearing Seat was uninspectable. Abutment 1 Right armor stone falling into brook.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	5 - 250mm x 300mm creosote timber beams. Light weathering and cracking.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair

Hand Rail:	P - Poor	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	75mm x 150mm creosote chesses. 50mm timber wearing surface. Timber bridge rail. Bridge rail is broken over abutment 2, right. Object markers are poor or missing. Bridge is narrow. Right side bridge rail is broken along with approach 1 left wheel guard.		

HYDROLOGY

Water Velocity:	.3 m/s	Ice Problem:	N - No Problem
Water Depth:	1 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Previous inspection reported abutment two upstream half scoured 0.5m below bottom of crib, 0.4m under from face of crib. This inspection noted that the Abutment one, right rip-rap was placed on too steep of a grade with the bottom half falling into the stream. the remaining stone along the top of the bank is perched, making it unsafe to access the abutments for inspection.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2020	Replacement Year:	2020
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Place additional rip-rap along abutment to stabilize the bank and make the area safe. Complete the inspection of the abutment. Repair the broken rail and install new object markers. Repair wheel guard. Consider replacing the bridge with a soil aluminum structure.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

LEGEND:				
Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			
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, P1, P2, or C ● Any evidence of known ice, scour, debris, waterway problems 				

INSPECTION PHOTOS