



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B05292020-17

Date: 5/29/2020

Inspected By: Alex Ford

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-015 - BOAT HARBOUR BRIDGE				
Route:	215	Overall Length:	10 m		
Year Built:	1970	Est: No	Overall Width:	7.5 m	
Year Last Rehab.:		Est: No	Roadway Width:	7.2 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.:	0.5 m		
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:			
Type of Handrail:	03 - Timber Rail	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber	1	3	4	0
Alignment Vertical:	02 - Adequate	2	0	5	0
Alignment Horizontal:	01 - Good	3	0	6	0
Restrictions:	No				

BRIDGE PHOTOS



SUBSTRUCTURE

Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	F2 - Fair
Comments:	Creosote timber cribwork abutments and wingwalls. Some light splits and rot. Abutment two wingwall right side leaning out - top three timbers.		

SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	9 creosote timber beams, 300mm x 350mm. Light weathering.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	P3 - Poor	Roadway Condition:	F2 - Fair
Approach Rail:	P - Poor		
Comments:	75mm timber deck with 50mm timber wearing surface. Timber hand rail. Approach rail is in poor condition, leaned and poorly attached, none abutment two end. Roadway has poor vertical alignment causing significant deck damage and constant maintenance issues.		
HYDROLOGY			
Water Velocity:	Varies m/s	Ice Problem:	N - No Problem
Water Depth:	Varies m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Abutment scour 0.3-0.5m.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	2022
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Continue maintenance repairs as necessary. Replace structure with aluminum box culvert or pipe arch and re-grade road.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:			
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 sees 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.