

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B10132021-4	
Date: 10/6/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	2-153 - LITTLE CATALINA BRIDGE #3		
Route:	230-26	Overall Length:	3.7 m
Year Built:	1967	Overall Width:	8.6 m
Year Last Rehab.:		Roadway Width:	7.6 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.5 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:	06 - None	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber	1	3
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	F1 - Fair
Comments:	- Both timber abutments appear to have mild settlement at mid-span looking from upstream. Face timbers in fair condition otherwise. - Southwest approach has an erosion hole along the wingwall/abutment inside corner. - Wingwalls have mild-medium tipping on the west side of the structure. - No visible issues with bearing locations.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Timber beams and bottom of deck in fair condition. Heavy creosote on abutment faces and on beams.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair

Hand Rail:	P3 - Poor	Roadway Condition:	F1 - Fair
Approach Rail:	I - Inapplicable		
Comments:	- All hazard markers in place, no end blocks or approach/exit rails. - Timber 6x6 curb, in fair condition. - Structural guiderail is old and has medium corrosion. Supporting posts are bolted to old timber wingwalls, many of which are tipped and one is cracked off, P3. - Wearing surface timbers in fair condition.		

HYDROLOGY

Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem
Water Depth:	Tidal m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Heavy creosote on all old timbers and over a waterway. Ocean immediately downstream and frequently flushes under structure.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	T.B.D.	Replacement Year:	2025
Antic. Rehab. Cost:	\$T.B.D.	Replacement Cost:	\$250,000
Recommendations:	- Replace due to environmental creosote concerns.		

OBSERVATIONS

Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- P3, guiderail and wingwall bowing. F1 remainder. - Hazards, mild traffic. Need hip waders for inspection.		

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:
 ● 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