

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B04282021-11	
Date: 4/21/2021	Inspected By: Butler	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-124 - BURNSIDE BAILEY BRIDGE		
Route:	310-37-3	Overall Length:	12 m
Year Built:	1986	Est: No	Overall Width: 4.1 m
Year Last Rehab.:		Est: No	Roadway Width: 3.1 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.6 m
Type of Structure:	09 - Bailey Bridge	Max Depth of N.W.L.:	1 m
Purpose of Structure:	03 - Over Navigable Waters	Spans:	
Type of Handrail:	06 - None	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber	1	7
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	Bridge bearing on rock fill. Abutment walls are stacked flat stones, somewhat unstable, some have fallen and fill is being lost. Bearings and seat are buried.		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable
Comments:	Four panel old style Bailey with top chord reinforcing. Moderate rusting of the panels and chord reinforcing, no major section loss. 11 transom beams, one at each end used for fill retention only. 7 transoms and all sway braces replaced in 2015. Panels 3 and 4 and wheel guard - right, have impact damage, All appear to be solid. Panel on left side has broken steel cross bracing.		
DECK			

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	I - Inapplicable	Roadway Condition:	F2 - Fair
Approach Rail:	I - Inapplicable		
Comments:	50mm x 200mm timber chesses, 50mm timber wearing surface, 150mm x 150mm timber curbs all replaced 2015. No approach rail. Abutment 1 left, hazard marker damaged.		

HYDROLOGY

Water Velocity:	+/- .5 m/s	Ice Problem:	N - No Problem
Water Depth:	0-1 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace hazard marker. Repair panel. Install class II rip rap and use rock fill to repair fill lose.		

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:

- 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