



GOVERNMENT OF  
NEWFOUNDLAND  
AND LABRADOR  
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT  
B01302020-9**

Date: 1/30/2020

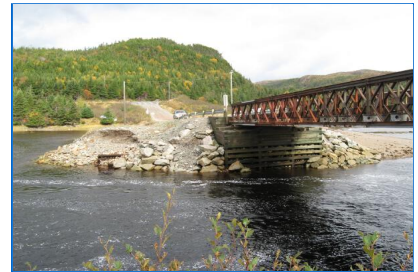
Inspected By: Alex Ford

Category: Eng. - Engineering

**BRIDGE INFORMATION**

Site:	2-081 - RED HARBOUR BAILEY BRIDGE				
Route:	210-22	Overall Length:	30 m		
Year Built:	2004	Est: No	Overall Width:	6 m	
Year Last Rehab.:		Est: No	Roadway Width:	3.3 m	
Region:	CENTRAL EAST	Sidewalk Width:	0 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2 m		
Type of Structure:	09 - Bailey Bridge	Max Depth of N.W.L.:	3 m		
Purpose of Structure:	03 - Over Navigable Waters	Spans:			
Type of Handrail:	06 - None	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber	1	27.4	4	0
Alignment Vertical:	01 - Good	2	0	5	0
Alignment Horizontal:	02 - Adequate	3	0	6	0
Restrictions:	Yes				
Describe Restrictions:	Maximum 20t load limit. One lane only.				

**BRIDGE PHOTOS**





**SUBSTRUCTURE**

<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	P3 - Poor
<b>Comments:</b>	Pressure treated timber abutments. Abutment one right was noted as settled in previous inspections but does not appear to have moved since then. Significant debris on bearing seats, alders growing in debris.		

**SUPERSTRUCTURE**

<b>Condition:</b>	P - Poor	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Bailey panel bridge, 9 panels long. Bridge was assembled from used parts. Light to moderate rusting of all parts. Multiple (15 to 20) cotter pins missing from pins.		

**DECK**

<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	50mm timber deck with 50mm wearing surface. Some minor impact damage approach rail. Snow fence material installed along inner panel face.		

**HYDROLOGY**

<b>Water Velocity:</b>	m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	K - Known Problem
<b>Comments:</b>	Tidal. Depth and Velocity vary. Rip rap sliding into waterway, some restriction.		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>	Place "Narrow Bridge" sign on approaches. Clean sand and gravel from abutments and around the bearing seats. Replace cotter pins. Repair rip rap.		

**OBSERVATIONS**

<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			

**LEGEND:**

**Condition Definitions:**

- 1 - \*Good - [discontinued code].
- 2 - \*Fair - [discontinued code].
- 3 - \*Poor - [discontinued code].
- 4 - \*Unsafe - [discontinued code].
- G - Good.

- F2 - Fair.
- F1 - Fair.
- P3 - Poor.
- P1 - Poor.
- P - Poor.

- C - Unsafe (Closed to Public).
- U - Uninspectable.
- I - Inapplicable.

**Problem Definitions:**

- N - No Problem.
- P - Possible Problem.
- K - Known Problem.
- NA - Not Applicable.

**Category Definitions:**

- Maint. - Maintenance.
- Eng. - Engineering.
- Office - Bridge Office.

**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, P2, or C
- Any evidence of known ice, scour, debris, waterway problems

**INSPECTION PHOTOS**

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.