



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT
B08022021-1**

Date: 5/6/2021

Inspected By: Butler

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-171 - GOOBIES BRIDGE (OLD)			Overall Length:	25 m
Route:	210			Overall Width:	7 m
Year Built:	2011	Est: No		Roadway Width:	4.1 m
Year Last Rehab.:		Est: No		Sidewalk Width:	0 m
Region:	CENTRAL EAST			Clearance to R.D. or N.W.L.:	2 m
Jurisdiction:	Provincial			Max Depth of N.W.L.:	1 m
Type of Structure:	09 - Bailey Bridge			Spans:	
Purpose of Structure:	03 - Over Navigable Waters				
Type of Handrail:	06 - None			<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber			1	24.4
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. Mabey Compact 200 SSHR++ Extra Wide, 8 panels long.				

BRIDGE PHOTOS



SUBSTRUCTURE

Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair

Comments: Pressure treated timber crib abutments with concrete bearing seats. Some debris on bearing seat. Rusting

starting on Girders.

SUPERSTRUCTURE

Condition: F2 - Fair **Expansion Joints:** I - Inapplicable

Comments:

DECK

Condition: F2 - Fair **Curbs:** F2 - Fair

Hand Rail: F2 - Fair **Roadway Condition:** F2 - Fair

Approach Rail: P1 - Poor

Comments: 75mm timber deck with 50mm timber wearing surface. Timber chesses are too closely spaced, allowing gravel and sand to remain on the deck collecting moisture. Raceway timbers worn. Some light impact damage on approach rail and right side wheel guard over abutment 1. impact damage to chain link fencing and bridge rail over abutment 1 left side. Approach 2 left buried end is broken.

HYDROLOGY

Water Velocity: 1 m/s **Ice Problem:** N - No Problem

Water Depth: 0.5 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: When timbers require replacement in several years time, space them out 30-50mm between them. Replace buried end Clean deck Repair wheel guard and fencing

OBSERVATIONS

Overall Condition: F2 - Fair **Requires Further Inspection:** No

Additional Observations:

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

INSPECTION PHOTOS