



GOVERNMENT OF  
NEWFOUNDLAND  
AND LABRADOR  
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT  
B06012020-1**

Date: 6/1/2020 Inspected By: Alex Ford Category: Eng. - Engineering

**BRIDGE INFORMATION**

Site:	2-169 - CLAM BROOK BRIDGE (OLD)		
Route:	210	Overall Length:	14 m
Year Built:	1950	Overall Width:	7 m
Year Last Rehab.:		Est: Yes	
Region:	CENTRAL EAST	Est: No	
Jurisdiction:	Provincial	Roadway Width:	6.5 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Sidewalk Width:	0 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Clearance to R.D. or N.W.L.:	3 m
Type of Handrail:	02 - Concrete Rail	Max Depth of N.W.L.:	2 m
Roadway Surface:	01 - Concrete	<b>Spans:</b>	
Alignment Vertical:	01 - Good	<u>Span No.:</u>	<u>Length</u>
Alignment Horizontal:	01 - Good	<u>Span No.:</u>	<u>Length</u>
Restrictions:	No	1	8
		2	0
		3	0
		4	0
		5	0
		6	0

**BRIDGE PHOTOS**



**SUBSTRUCTURE**

Condition: P1 - Poor Bearings: P3 - Poor  
Bearing Seat: U - Uninspectable

Comments: Concrete abutments and wingwalls. Some significant vertical cracks in the abutment wall, especially abutment one left and abutment two right where the wingwalls are tipping out and cracking away from the structure.

Cracking with efflorescence all wingwalls. Some rusting of the steel bearing plates.

**SUPERSTRUCTURE**

**Condition:** P3 - Poor **Expansion Joints:** I - Inapplicable  
**Comments:** 3 reinforced concrete beams, cracking and weathering.

**DECK**

**Condition:** P3 - Poor **Curbs:** I - Inapplicable  
**Hand Rail:** P3 - Poor **Roadway Condition:** I - Inapplicable  
**Approach Rail:** P1 - Poor  
**Comments:** Exposed concrete deck, gravel approaches. Some gravel debris on deck, some cracking. Concrete hand rail, one section replaced with flex beam, poor condition. Approach rail is leaned, grown in with alders and posts are rotted. Retaining structure abutment one left side has failed and the corner is washed out. Deck appears to be potholed.

**HYDROLOGY**

**Water Velocity:** 1.5 m/s **Ice Problem:** N - No Problem  
**Water Depth:** 1.0 m **Scour Problem:** P - Possible Problem  
**Waterway:** 01 - Adequate **Debris Problem:** N - No Problem  
**Comments:** Abutment 1 has horizontal and diagonal cracks appearing through it; flow is concentrated on abutment 1 footings and should be checked for scour.

**REPLACEMENT/REHABILITATION**

**Next Rehab. Date:** 2020 **Replacement Year:** 2020  
**Antic. Rehab. Cost:** \$0 **Replacement Cost:** \$0  
**Recommendations:** Replace with culvert when feasible.

**OBSERVATIONS**

**Overall Condition:** P3 - Poor **Requires Further Inspection:** No  
**Additional Observations:** Bridge is on old R210 alignment (Old Baie de L'Eau Road) and could serve as a bypass of the current Clam Brook Bridge. Road is used by cabin owners.

**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**