



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT
B02092021-1**

Date: 2/9/2021

Inspected By: Alex Ford

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-175 - L'ANSE AU LOUP NO.1 (OLD)		
Route:	210	Overall Length:	8 m
Year Built:	1940	Overall Width:	5.5 m
Year Last Rehab.:		Est: Yes	
		Est: No	
Region:	CENTRAL EAST	Roadway Width:	5 m
Jurisdiction:	Provincial	Sidewalk Width:	0 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Clearance to R.D. or N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Max Depth of N.W.L.:	0.5 m
Type of Handrail:	06 - None	Spans:	
Roadway Surface:	01 - Concrete	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	4
Alignment Horizontal:	01 - Good	2	0
Restrictions:	Yes	3	0
Describe Restrictions:	Closed to the public.		

BRIDGE PHOTOS



SUBSTRUCTURE

Condition:	P1 - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable

Comments: Concrete abutments and wingwalls. Extensive cracking, spalling, deterioration, delamination and efflorescence.

Abutment one wingwall left is broken and tilted out.

SUPERSTRUCTURE

Condition: C - Unsafe (Closed to Public) **Expansion Joints:** I - Inapplicable
Comments: Concrete deck slab. Severe deterioration along edges with exposed rebar. Noticeable sag in superstructure - concrete has deteriorated to the point that there is little to no live load carrying capacity.

DECK

Condition: C - Unsafe (Closed to Public) **Curbs:** P1 - Poor
Hand Rail: P - Poor **Roadway Condition:** P1 - Poor
Approach Rail: I - Inapplicable
Comments: Exposed concrete deck with gravel approaches. Severe deterioration of deck edges. Handrail is flex beam attached to structure, anchorages loose, bolts pulled from concrete.

HYDROLOGY

Water Velocity: 0.5 m/s **Ice Problem:** N - No Problem
Water Depth: 0.3 m **Scour Problem:** K - Known Problem
Waterway: 01 - Adequate **Debris Problem:** N - No Problem
Comments: Minor scour along abutment one left, not causing issues.

REPLACEMENT/REHABILITATION

Next Rehab. Date: **Replacement Year:** 2021
Antic. Rehab. Cost: \$0 **Replacement Cost:** \$100000
Recommendations: Close bridge to public until replacement culverts can be installed.

OBSERVATIONS

Overall Condition: C - Unsafe (Closed to Public) **Requires Further Inspection:** No
Additional Observations: Located on a loop road off R210. Used as access by cabin owners. Road is class IV with no regular maintenance.

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