



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT
B02032020-2**

Date: 2/3/2020

Inspected By: Alex Ford

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-087 - POINT MAY BRIDGE				
Route:	220	Overall Length:	17.5 m		
Year Built:	1965	Est: No	Overall Width:	9 m	
Year Last Rehab.:	1995	Est: No	Roadway Width:	7.4 m	
Region:	CENTRAL EAST				
Jurisdiction:	Provincial				
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Clearance to R.D. or N.W.L.:	3.5 m		
Purpose of Structure:	04 - Over Non-Navigable Waters	Max Depth of N.W.L.:	1.5 m		
Type of Handrail:	01 - Aluminum Rail	Spans:			
Roadway Surface:	01 - Concrete	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	10	4	0
Alignment Horizontal:	01 - Good	2	0	5	0
Restrictions:	No	3	0	6	0

BRIDGE PHOTOS



SUBSTRUCTURE

Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	F2 - Fair
Comments:	Concrete abutments and wingwalls. Minor cracking with efflorescence. Construction joint in both abutments and wingwalls is poor - some deterioration and efflorescence. Edges of bearing seats have some deterioration from		

leaking curb joint.

SUPERSTRUCTURE

Condition: F2 - Fair **Expansion Joints:** I - Inapplicable
Comments: Reinforced concrete deck. Minor spalls with exposed rebar. Dymeric in curbs poor/missing causing leakage.

DECK

Condition: P3 - Poor **Curbs:** F2 - Fair
Hand Rail: F2 - Fair **Roadway Condition:** F2 - Fair
Approach Rail: F2 - Fair
Comments: Exposed concrete deck - some cracking and small holes, repairs made 2012 with set45 but deck is rough, Abutment one end repair is in poor condition now. Paved approaches minor cracking. 4 rail aluminum system with concrete end blocks - minor scrapes. Curb dymeric poor. Bottom of deck under curbs has significant scaling starting. Approach rail minor post rot.

HYDROLOGY

Water Velocity: 1.0 m/s **Ice Problem:** N - No Problem
Water Depth: 0.3 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: Minor rehab. Some latex repairs, seal curb joints, curb repairs, new deck overlay.

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