

GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

## BRIDGE INSPECTION REPORT B07232018-12

**Overall Length:** 

**Overall Width:** 

Roadway Width:

Sidewalk Width:

N.W.L.:

Spans:

Clearance to R.D. or

Max Depth of N.W.L.:

28 m

13.5 m

12.6 m

 $0 \, \mathbf{m}$ 

4.5 m

0.5 m

Length

0

0

Date: 5/1/2018 Inspected By: Chris Lyver Category: Eng. - Engineering

**BRIDGE INFORMATION** 

Site: 1-344 - RAYMOND BROOK BRIDGE

Route: 3

 Year Built:
 1999
 Est: No

 Year Last Rehab.:
 2000
 Est: No

Region: AVALON PENINSULA

Jurisdiction: Provincial

Type of Structure: 04 - Rigid Frame

Purpose of Structure: 04 - Over Non-Navigable Waters

05 - Concrete Barrier Type of Handrail: Span No.: Length Span No.: 02 - Asphalt Roadway Surface: 1 13.5 4 01 - Good 2 0 5 Alignment Vertical: 01 - Good 3 0 6 Alignment Horizontal:

Restrictions: No

## **BRIDGE PHOTOS**





SUBSTRUCTURE

**Condition:** F2 - Fair **Bearings:** I - Inapplicable

Bearing Seat: I - Inapplicable

Comments: - Light erosion along faces of frame leg footings. - North frame leg footings partially submerged/ buried. - North

frame leg footing partially submerged.

SUPERSTRUCTURE

Condition: F2 - Fair Expansion Joints: I - Inapplicable

Comments: - Hairline alligator cracks in 4 wingwalls. - Light spalls in NE/SE wingwalls. - Crack sealed vert. cracks in faces of

frame legs continues to hold up.

DECK

Condition: F2 - Fair Curbs: I - Inapplicable

Hand Rail:	F2 - Fair	Roadway Condition:	I - Inapplicable	
Approach Rail:	F1 - Fair			
Comments:	- Cracked sealed long. cracks in deck soffit holding up with light efflor. deposits Hairline alligator/ pattern cracks in barrier walls and end blocks Narrow vert, cracks with light efflor, deposits in barrier walls Light/ medium damage (dents, buckling, tipping posts) to app./ exit guiderail Deck and approaches resurfaced since last inspection Deck re-waterproofed since last inspection.			
HYDROLOGY				
Water Velocity:	0.4 <b>m/s</b>	Ice Problem:	N - No Problem	
Water Depth:	0.5 <b>m</b>	Scour Problem:	N - No Problem	
Waterway:	01 - Adequate	Debris Problem:	N - No Problem	
Comments:	- Majority of flow runs past south footing.			
REPLACEMENT/REHABILITATION				
Next Rehab. Date:	2018	Replacement Year:	2049	
Antic. Rehab. Cost:	\$10	Replacement Cost:	\$600	
Recommendations:	- Repair/ replace damaged app./ exit guiderail c/w new hazard markers (maint).			
OBSERVATIONS				
Overall Condition:	F2 - Fair	Requires Further Inspection:	No	
Additional Observations:	- Unchanged from 2011 inspection except add minor graffiti on outside faces of barrier walls.			
LEGEND: Condition Definitions:  1 - 'Good - [discontinued code]. 2 - 'Fair - [discontinued code]. 3 - 'Poor - [discontinued code]. 4 - 'Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: Inspection Photos: Please provide photos using guideling and proversible and	F2 - Fair. C - Unsafe (Clorent Pair. U - Uninspectal P3 - Poor. I - Inapplicable. P1 - Poor. P -	sed to Public). N - No P ple. P - Poss K - Knov	<u>i Definitions:</u> roblem. bible Problem. wn Problem. t Applicable.	Category Definitions: Maint Maintenance. Eng Engineering. Office - Bridge Office.
INSPECTION PHOTOS				

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