

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B09142021-1</b>	
<b>Date:</b> 2/13/2018	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-129 - ROCKY ISLAND POND BRIDGE - RT. 91		
<b>Route:</b>	91	<b>Overall Length:</b>	10.9 m
<b>Year Built:</b>	1964	<b>Est: Yes</b>	<b>Overall Width:</b> 5.4 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 5 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	0.7 m
<b>Type of Structure:</b>	04 - Rigid Frame	<b>Max Depth of N.W.L.:</b>	0.5 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters		
<b>Type of Handrail:</b>	03 - Timber Rail	<b>Spans:</b>	
<b>Roadway Surface:</b>	01 - Concrete	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Vertical:</b>	02 - Adequate	1	4
<b>Alignment Horizontal:</b>	02 - Adequate	2	4
<b>Restrictions:</b>	Yes	3	0
<b>Describe Restrictions:</b>	1 Lane traffic Align Vertical and Horizontal: Fair because located on mod. grace vertical curve and located on short kinked tangent between 2 curves.		
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	- Assumed condition of buried and submerged reinf. concrete frame leg footings *Notes: Frame legs possibly poured direction onto dowelled bedrock. Pier may have asphalt impregnated board bearings (Inspection restricted due to flow)		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	P1 - Poor	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	- Numerous wide vert/horiz cracks with Med effior. Deposits in pier, frame leg faces and wingwalls - Severe delamin/spalling/disintegration to corners of east frame leg - Wide cracks, medium delamin/spalling/disintegration to base of u/s pier ice wall		
<b>DECK</b>			

<b>Condition:</b>	P1 - Poor	<b>Curbs:</b>	I - Inapplicable
<b>Hand Rail:</b>	P - Poor	<b>Roadway Condition:</b>	I - Inapplicable
<b>Approach Rail:</b>	I - Inapplicable		
<b>Comments:</b>	- Very severe delamin/spalling disintegration to NW/SW deck fascias - Medium delamin/spalling/disintegration to SE/SW deck fascias, medium corrosion to exposed reinf. - Numerous wide longit/trans cracks with heavy efflor/stalactite deposits in deck soffits - Numerous wide cracks, medium-spalling and abrasion to exposed deck surface - No wooden pedestrian handrail at NE end of struct.		

**HYDROLOGY**

<b>Water Velocity:</b>	0.4 m/s	<b>Ice Problem:</b>	P - Possible Problem
<b>Water Depth:</b>	0.3 m	<b>Scour Problem:</b>	K - Known Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	P - Possible Problem
<b>Comments:</b>	- Medium scour under upstream ends of frame legs and pier		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2018	<b>Replacement Year:</b>	2018
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$100
<b>Recommendations:</b>	- Structure to be replaced with multi plate in 2018		

**OBSERVATIONS**

<b>Overall Condition:</b>	P1 - Poor	<b>Requires Further Inspection:</b>	Yes
<b>Additional Observations:</b>	- Unchanged from 2015 inspection		

**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**