

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09012021-9	
Date: 3/3/2020	Inspected By: Chris Lyver	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-025 - POINT LANCE RIVER BRIDGE		
Route:	100-16	Overall Length:	17 m
Year Built:	1990	Est: No	Overall Width: 12 m
Year Last Rehab.:		Est: No	Roadway Width: 8.7 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	6.7 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1.2 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	06 - None	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	02 - Adequate	1	15.6
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- med flow lines & erosion in partially exposed frame leg & wingwall footings (assumed cond. of remaining partially submerged/buried frame leg/wingwall footings)		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- medium delamin./spalling/disintegration to two areas along the outside edges of east frame leg (top, upstream, mid-height, downstream) - visible flow lines, const. joints & honeycombing in wings and frame legs - light delamin./spalling atop of NW wingwall - light honeycombing/erosion along bottom of east frame leg - med erosion/honeycombing with med erosion to exposed reinf. along bott of west frame leg		
DECK			

Condition:	F2 - Fair	Curbs:	I - Inapplicable
Hand Rail:	I - Inapplicable	Roadway Condition:	I - Inapplicable
Approach Rail:	F2 - Fair		
Comments:	- several areas of exposed reinf. with light rusting in deck soffit, west side (insuff. cover) - Narrow transverse cracks in deck soffit - Narrow horiz/vert. cracks with light effor. desposits in deck fascias		

HYDROLOGY

Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.6 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Water parameters are assumed since river was frozen		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2025	Replacement Year:	2040
Antic. Rehab. Cost:	\$30	Replacement Cost:	\$1000
Recommendations:	- repair all concrete defects - cont. to monitor erosion along bases of frame legs & wing walls		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	unchanged from 2013 and 2018 inspections		

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

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