

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09022021-1	
Date: 3/3/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-181 - LANCE COVE BRIDGE		
Route:	100-16	Overall Length:	16 m
Year Built:	1989	Est: No	Overall Width: 10.1 m
Year Last Rehab.:		Est: No	Roadway Width: 8.1 m
Region:	AVALON PENINSULA	Sidewalk Width:	1.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.5 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	01 - Aluminum Rail	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	7
Alignment Horizontal:	01 - Good	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:	- assumed condition of buried reinforced concrete frame, leg footings and approach slabs		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- some light erosion along bottom faces of frame leg footings up to the high water marks - construction joints at bottom of frame leg footings opening up slightly - some hairline alligator cracks with light spalling to all 4 end blocks		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	P3 - Poor		
Comments:	- narrow transverse vertical cracks with light efflor. deposits in deck fascia's and curb sidewalk surfaces - some light scrapes and dents with some minor damage to approach and exit rail - some light scrapes and dents with end cap missing on aluminum handrail - road surface has some potholes and deteriorating asphalt - some shoulder and slope erosion at NW end of structure		
HYDROLOGY			
Water Velocity:	0.1 m/s	Ice Problem:	K - Known Problem

Water Depth:	0.4 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- some medium shifting of gabion baskets in gabion retaining wall, some gabion's are also bulging with missing rock		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2021	Replacement Year:	2049
Antic. Rehab. Cost:	\$20	Replacement Cost:	\$550
Recommendations:	- install now approach and exit rails c/w hazard markers - resurface asphalt or approaches and over deck - fix gabion baskets to retaining wall		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Remaining observations unchanged from previous inspections done in 2018 and 2013		

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

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