

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B11102021-1	
Date: 10/22/2021	Inspected By: Chantel Finn	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	1-311 - POINT VERDE BRIDGE		
Route:	100	Overall Length:	6 m
Year Built:	1963	Est: No	Overall Width: 12 m
Year Last Rehab.:		Est: No	Roadway Width: 7 m
Region:	AVALON PENINSULA	Sidewalk Width:	0.25 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0.9 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0.3 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	3.2
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	P3 (at Construction Joints) F1 (Remainder) - Assumed condition of buried/submerged reinforced concrete frame leg footings - Original structure extended approximately 3m downstream. Extension directly poured on bedrock - Upstream has heavy erosion on abutment corners - Medium vertical/horizontal cracks with heavy efflorescent deposits in faces of frame legs & wingwalls - Medium scour under upstream retaining wall. - Severe concrete disintegration along top of upstream retaining wall - Severe spalling/disintegration continues at vertical frame leg construction joints between original structure and extension		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable
Comments:	- Severe spalling/disintegration with heavy efflorescent deposits at end of both frame legs - Large spall through to bottom reinforcement at exterior and under deck about 1 m from D/S end, visibly leaking, exposed rebar extremely corroded		

DECK			
Condition:	P3 - Poor	Curbs:	P3 - Poor
Hand Rail:	P1 - Poor	Roadway Condition:	F2 - Fair
Approach Rail:	I - Inapplicable		
Comments:	- No approach rail, endblocks or hazard markers - Heavy vegetation on curbs - Medium transverse/longitudinal cracks with heavy efflorescent deposits in deck soffit - Medium delamination/spalling in deck soffit along construction joint between original structure and extension, visibly leaking - Numerous cracks/spalls & impact damages to downstream concrete handrail, through to exposed reinforcement - Upstream guiderail handrail attached to metal posts attached to structure (tipped out - replace)		
HYDROLOGY			
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem
Water Depth:	0.2 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	2026
Antic. Rehab. Cost:	\$Replace structure	Replacement Cost:	\$500000
Recommendations:	Replace structure with box culvert		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes
Additional Observations:			
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		Category Definitions:
			Maint. - Maintenance.
			Eng. - Engineering.
			Office - Bridge Office.
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● 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			