

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B09012021-5</b>	
<b>Date:</b> 3/3/2020	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-005 - ST. BRIDES BRIDGE		
<b>Route:</b>	100	<b>Overall Length:</b>	16 m
<b>Year Built:</b>	1979	<b>Est:</b> No	<b>Overall Width:</b> 20 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 9 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>	3.5 m
<b>Type of Structure:</b>	04 - Rigid Frame	<b>Max Depth of N.W.L.:</b>	1.5 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters		
<b>Type of Handrail:</b>	06 - None	<b>Spans:</b>	
<b>Roadway Surface:</b>	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Vertical:</b>	01 - Good	1	6.8
<b>Alignment Horizontal:</b>	02 - Adequate	2	0
<b>Restrictions:</b>	No	3	0
		<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	I - Inapplicable	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	- No visible footings - frame legs poured directly onto dowelled bedrock		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F1 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	- vert. const. joint between frame leg sections continues to open up with narrow/medium map/alligator cracks with med effior deposits in 4 wings (A.A.R?) - med delamin/spalling with med rusting to exposed reinf. along top face to SE wing wall - med vert cracks with light effior deposits in faces of frame legs		
<b>DECK</b>			
<b>Condition:</b>	F1 - Fair	<b>Curbs:</b>	I - Inapplicable
<b>Hand Rail:</b>	I - Inapplicable	<b>Roadway Condition:</b>	I - Inapplicable
<b>Approach Rail:</b>	P3 - Poor		
<b>Comments:</b>	- const joint between deck soffits along center of struct continues to open up & leak with medium cracking & effior. deposits - medium longit. cracks with heavy effior. deposits in deck soffit, cracks extend up from frame legs - guiderail running along both sides of Rte.100 over top of structure continues to age with scrapes, dents & decaying posts		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0.3 m/s	<b>Ice Problem:</b>	N - No Problem

<b>Water Depth:</b>	0.5 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	- river partially frozen		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2025	<b>Replacement Year:</b>	2035
<b>Antic. Rehab. Cost:</b>	\$30	<b>Replacement Cost:</b>	\$1000
<b>Recommendations:</b>	- repair all concrete defects - repair guiderail along rte. 100 as required		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	unchanged from 04, 07, 15, 18 inspections		
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
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.		
<b>Category Definitions:</b>			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being F3, F1, P1, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			

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