

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07162021-8	
Date: 7/9/2021	Inspected By: McCaw J	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	3-172 - BUNDLES BROOK BRIDGE		
Route:	1	Overall Length:	0 m
Year Built:	1950	Est: Yes	Overall Width: 0 m
Year Last Rehab.:		Est: No	Roadway Width: 0 m
Region:	CENTRAL WEST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	02 - Concrete Rail	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	0
Alignment Horizontal:	01 - Good	2	0
Restrictions:	Yes	3	0
Describe Restrictions:	On class 4 Road.		
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P1 - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Significant eroding of concrete at waterline. Large crack between abutment and upstream wingwall.		
SUPERSTRUCTURE			
Condition:	P1 - Poor	Expansion Joints:	I - Inapplicable
Comments:	Outside girders spalled significantly. Rebar is fully exposed.		
DECK			
Condition:	P - Poor	Curbs:	P - Poor
Hand Rail:	P - Poor	Roadway Condition:	P - Poor

Approach Rail:	P - Poor		
Comments:	P-Edges of deck, F1 - Remainder. Cracking on road surface. Concrete rails and guiderail in poor condition with missing sections and tipping posts.		
HYDROLOGY			
Water Velocity:	0.05 m/s	Ice Problem:	N - No Problem
Water Depth:	0.4 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2021	Replacement Year:	2023
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$500000
Recommendations:	Not economical to rehabilitate structure. Recommend replacement with culvert or arch.		
OBSERVATIONS			
Overall Condition:	P - Poor	Requires Further Inspection:	No
Additional Observations:	hazards: traffic, water, slipping. Does not appear to be a maintained structure.		
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, F1, P, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			