

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B10142021-1	
Date: 10/6/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	2-209 - BEAVER POND BRIDGE		
Route:	201-10	Overall Length:	8.6 m
Year Built:	1954	Est: Yes	Overall Width: 6.9 m
Year Last Rehab.:		Est: No	Roadway Width: 5 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.1 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	06 - None	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete	1	7.6
Alignment Vertical:	02 - Adequate	2	0
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P1 - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- North abutment corners have severe disintegration, P1. South abutment corners are disintegrated and starting to undermine the exterior girder, P1. - Both abutment faces have medium-severe cracking with efflorescence, P3. - No bearings.		
SUPERSTRUCTURE			
Condition:	P1 - Poor	Expansion Joints:	I - Inapplicable
Comments:	- Exterior girders have no finish left on them with extreme disintegration and exposed rebar, P. Interior girders have medium-severe cracking with extreme efflorescence, P1. - Bottom of deck no visible due to deep water.		
DECK			
Condition:	P1 - Poor	Curbs:	I - Inapplicable

Hand Rail:	I - Inapplicable	Roadway Condition:	P1 - Poor
Approach Rail:	I - Inapplicable		
Comments:	- No curbs, guiderail, handrail, end blocks, or hazard markers. - Deck concrete exposed and heavily disintegrated, no exposed rebar, P1.		

HYDROLOGY

Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	>1 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- None		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	2026
Antic. Rehab. Cost:	\$REMOVE	Replacement Cost:	\$200,000
Recommendations:	- Remove structure with 2-000 within 5 years.		

OBSERVATIONS

Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations:	- Hazards, deep water, brush and slopes. Hip waders for future 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