
	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07232021-1	
Date: 7/7/2021	Inspected By: McCaw J	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	3-008 - INDIAN BROOK BRIDGE, SPRINGDALE		
Route:		Overall Length:	55.3 m
Year Built:	1967	Est: No	Overall Width: 8.8 m
Year Last Rehab.:	1997	Est: No	Roadway Width: 7.3 m
Region:	CENTRAL WEST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	2 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	01 - Aluminum Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt	1	16.1 4 0
Alignment Vertical:	02 - Adequate	2	0 5 0
Alignment Horizontal:	01 - Good	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Ice breakers missing from piers. Cracking and spalling concrete on piers. Efflorescence throughout the abutments.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	Some cracks/spalls on girders/double tees. Expansion joints patched or filled in. Efflorescence on girders and double tees.		
DECK			
Condition:	P3 - Poor	Curbs:	F2 - Fair

Hand Rail:	P3 - Poor	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Many potholes/patches in road surface. Rail disconnected or posts damaged. One end block severely deteriorated.		

HYDROLOGY

Water Velocity:	1.0 m/s	Ice Problem:	N - No Problem
Water Depth:	0.6 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Very steep slopes at wingwall. Erosion occurring at the wingwalls. No scour at piers visible.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2025	Replacement Year:	2040
Antic. Rehab. Cost:	\$250000	Replacement Cost:	\$5000000
Recommendations:	Install new bridge rails and approach rails. Replace curbs with new curbs. Replace endblocks. Remove and replace asphalt and repair deck as required. Repair abutments and reinstall ice breakers. Regrade or install gabions around abutments. May need to install new approach slabs.		

OBSERVATIONS

Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Parking ok. Hazards: Traffic, Slipping, Water		

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