

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07152021-1	
Date: 7/6/2021	Inspected By: McCaw J	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	3-042 - NORTHERN ARM BROOK BRIDGE, BOTWOOD		
Route:	350	Overall Length:	43.8 m
Year Built:	1969	Est: No	Overall Width: 10 m
Year Last Rehab.:		Est: No	Roadway Width: 7.6 m
Region:	CENTRAL WEST	Sidewalk Width:	1.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0.6 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:	04 - Steel Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	19.6
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F1 - Fair
Comments:	Not able to see footings. Honeycombing or erosion on pier faces occurring.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair
Comments:	Deck deterioration around drains. Asphalt deterioration around joints. AAR and spalling visible on outside of curbs.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair

Approach Rail:	P1 - Poor		
Comments:	Several potholes on deck. Approach rail buried end damaged on South side. Remainder of rail is F2. AAR and spalling on curbs.		
HYDROLOGY			
Water Velocity:	Tidal/0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	1.0 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2027	Replacement Year:	2040
Antic. Rehab. Cost:	\$200000	Replacement Cost:	\$2000000
Recommendations:	Replace approach rail with guiderail structures. Replace expansion joints. Repave deck and approaches.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Watermain attached to bridge. Salmon sign on bridge. Hard to see substructure. Parking ok. Hazards: traffic, slipping, water		
LEGEND:			
Condition Definitions:		Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		
G - Good.	P - Poor.		
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			