

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B11222022-2	
Date: 7/29/2022	Inspected By: M Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	TCH-056 - BOOT BROOK BRIDGE		
Route:		Overall Length:	19.2 m
Year Built:	1965	Est:	No
Year Last Rehab.:	2000	Est:	No
Region:	WEST COAST/NORTHERN	Roadway Width:	12.5 m
Jurisdiction:	Provincial	Sidewalk Width:	0 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Clearance to R.D. or N.W.L.:	3.6 m
Purpose of Structure:	03 - Over Navigable Waters	Max Depth of N.W.L.:	0 m
Type of Handrail:	01 - Aluminum Rail	Spans:	
Roadway Surface:	01 - Concrete	Span No.:	Length
Alignment Vertical:	01 - Good	1	9.4
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F1 - Fair
Comments:	- Abutments/wingwall corners in poor condition. Area disintegrated with the remaining patches delaminated. Remainder of wingwall and abutment surface area in fair condition. - Bearing seats have minor small spalls on the exterior edges. - Deck seated directly on a strip bearing and both bearings over each abutment appear in fair condition.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair
Comments:	- Deck soffit in good condition. - Expansion joints or gaps in fair condition.		
DECK			
Condition:	F1 - Fair	Curbs:	U - Uninspectable

Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor
Approach Rail:	F1 - Fair		
Comments:	- Asphalt settled on either side of the expansion joints. Area needs to be reshaped. Moderate transverse cracking at approach slab edges. - Exposed concrete deck has moderate wear and isolated areas of spalling. - Curbs mostly covered in gravels and uninspectable. Exteriors in fair condition with narrow vertical cracks. - Structure rail in fair condition. - Guiderail in fair condition, connected to end blocks, has regulation post spacing and is missing most hazard markers.		

HYDROLOGY

Water Velocity:	0.1 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0.3 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- No comment.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2025	Replacement Year:	2037
Antic. Rehab. Cost:	\$100,000	Replacement Cost:	\$2,500,000
Recommendations:	- Install hazard markers. - Scarify and reshape approaches to remove the bump at structure entrances/exit. - Remove all gravels from bridge curbs/shoulder. - Repair potholes in concrete deck. - Repair abutment corners and edges of bearing seats. - Waterproof and pave structure if capacity exists.		

OBSERVATIONS

Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	- Bridge in fair condition. Newer deck on old concrete abutments. Repair as indicated above. Abutment/wingwall corners P3.		

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:				
<ul style="list-style-type: none"> ● Any item which inspector feels should be documented by photograph ● All items noted above as being F3, P1, P2, or C ● Any evidence of known ice, scour, debris, waterway problems 				

INSPECTION PHOTOS