

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B04282021-14	
Date: 4/22/2021	Inspected By: Butler	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-019 - SHOAL HARBOUR RIVER BRIDGE		
Route:	1	Overall Length:	67 m
Year Built:	1965	Est: No	Overall Width: 9.8 m
Year Last Rehab.:	1995	Est: No	Roadway Width: 8.4 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	10 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	26
Alignment Vertical:	01 - Good	2	26
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	C - Unsafe (Closed to Public)
		Bearing Seat:	U - Uninspectable
Comments:	Concrete abutments, wing walls and centre pier. Light to large cracking throughout abutments, wing walls and pier. Scaling, efflorescence, rust staining and some spalling. Rust staining on abutment one due to leaking expansion joint. Bearing seats at the abutments showing deterioration due to leaking expansion joints. Ice protection on center pier has a vertical crack at bend.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	Five AASHTO girders in each span, two spans. Abutment one girder ends have staining, delamination and exposed rebar due to leaking expansion joint. Span one girder five has spalled areas. Span two girder one has delamination, spalling and exposed rebar. Span two girder two has spalling at the bottom near the centre. Span two girders four and five have spalled areas. Expansion joint one and three leaking. Expansion joint two possibly leaking. Expansion joint dams and armour have impact damage from snow plows.		

DECK			
Condition:	F2 - Fair	Curbs:	P3 - Poor
Hand Rail:	F2 - Fair	Roadway Condition:	P3 - Poor
Approach Rail:	F2 - Fair		
Comments:	Asphalt wearing surface. Several potholes, especially near the expansion joints. Aluminum 4 rail system with concrete end blocks. Impact damage to left bridge rail. End blocks have light cracking and scaling. Sections of the curbs show disintegration with exposed rebar. Could not inspect deck surface due to high volume of traffic and narrow bridge.		
HYDROLOGY			
Water Velocity:	.5 m/s	Ice Problem:	N - No Problem
Water Depth:	.5 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Center pier not checked for scour.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:			
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Rock fill is currently placed upstream of this structure for the new 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, P1, P, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			