

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Works	BRIDGE INSPECTION REPORT B10082021-2 Printed: Friday, October 8, 2021	
Date: 10/5/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	TCH-015 - LOWER SHOAL HARBOUR RIVER BRIDGE		
Route:	1	Overall Length:	21 m
Year Built:	1964	Est: No	Overall Width: 18.2 m
Year Last Rehab.:	1997	Est: No	Roadway Width: 16.4 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3 m
Type of Structure:	02 - Double Tee	Max Depth of N.W.L.:	0.5 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	11
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair (Inspection within 1 Year)	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	- All wingwalls and both abutment faces have mild alligator cracking throughout. Efflorescence on both abutment faces but from leaking joints prior to 2021 rehab. - Bearings and bearing seat too high for inspection but look to be in fair condition from below.		
SUPERSTRUCTURE			
Condition:	F2 - Fair (Inspection within 2 Years)	Expansion Joints:	G - Good (Inspection within 2 Years)
Comments:	- New asphaltic plug joints in 2021. - Bottom of deck and double tees, F1. No leaks between double tee precast panels. - South fascia in fair condition, small rust stain spots over southeast bearing area.		
DECK			
Condition:	F2 - Fair (Inspection within 2 Years)	Curbs:	G - Good (Inspection within 2 Years)

Hand Rail:	G - Good (Inspection within 2 Years)	Roadway Condition:	G - Good (Inspection within 2 Years)
Approach Rail:	G - Good (Inspection within 2 Years)		
Comments:	- Structural handrail, curbs, asphalt, waterproofing & approach/exit rails all new in 2021.		
HYDROLOGY			
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	0.2 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Some migration of rip-rap into river channel.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	2040
Antic. Rehab. Cost:	\$0.00	Replacement Cost:	\$1,500,000.00
Recommendations:	- Rehabbed in 2021. Likely a replacement within 20 years.		
OBSERVATIONS			
Overall Condition:	F2 - Fair (Inspection within 2 Years)	Requires Further Inspection:	No
Additional Observations:	- Hazards, fast moving traffic. Rubber boots for inspection under the deck.		
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair (Inspection within 2 Years).	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair (Inspection within 1 Year).	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor (Repair within 3 Years).	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor (Repair within 1 Year).		NA - Not Applicable.
G - Good (Inspection within 2 Years).	P - Poor (Immediate Repair).		
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 sees 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			

Department of Transportation and Works, Government of Newfoundland and Labrador 2021.