

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06192019-10	
Date: 6/19/2019	Inspected By: lyver C	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-248 - SHEARSTOWN BROOK BRIDGE		
Route:	70	Overall Length:	20.4 m
Year Built:	1991	Est: No	Overall Width: 9.2 m
Year Last Rehab.:		Est: No	Roadway Width: 7.2 m
Region:	AVALON PENINSULA	Sidewalk Width:	1.6 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.2 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	0.3 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	13.5
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Assumed condition of buried submerged reinforcement concrete abutment footing. Medium vertical angular cracks with light efflor deposits in faces of abutment and wingwalls.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	Narrow medium cracks in all beams. Medium cracks in most diaphragms rusting around snap ties protruding through beams. Narrow alligator cracking in end blocks.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F1 - Fair		
Comments:	Narrow vertical cracks and transverse in curb sidewalk and in soffit. Medium abrasion to curb corners. Medium transverse cracking with light efflor deposits in deck soffit. Minor spalls to some areas of deck soffit potholes at expansion joints.		
HYDROLOGY			
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem
Water Depth:	0.6 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Erosion at slopes. Rip rap migrating into stream channel.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2025	Replacement Year:	2041
Antic. Rehab. Cost:	\$100	Replacement Cost:	\$750
Recommendations:			
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	No hazard markers and no cracking at joints. Super mailboxes at North East corner of 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			

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