

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06202019-3	
Date: 6/20/2019	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-030 - SOUTH RIVER BRIDGE		
Route:	70	Overall Length:	28.6 m
Year Built:	1998	Est: No	Overall Width: 10.7 m
Year Last Rehab.:		Est: No	Roadway Width: 8 m
Region:	AVALON PENINSULA	Sidewalk Width:	1.9 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.6 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	2.4 m
Purpose of Structure:	03 - Over Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	14.6
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:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Assumed condition of buried submerged frame leg footings.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Medium vertical alligator pattern cracks in frame leg corners. Cracks extended into deck soffit. Numerous narrow alligator cracks with some medium angular crack with light efflor deposits in four wingwall.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair

Approach Rail:	F2 - Fair
Comments:	Wide vertical horizontal cracks with light efflor deposits in extension curb. Guiderail post on south end approach rail is cracked. Some cracks, rusting and some potholes in asphalt over deck and approaches. Some minor abrasion on face of sidewall on upstream end. Small to medium cracks in all four end blocks. Narrow cracks in deck soffit that extent up too frame legs.

HYDROLOGY

Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	0 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Water velocity and water depth are specified as tidal. Hydraulic rip rap around structure corners is in good condition. Some light erosion around corners of structure.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2023	Replacement Year:	2050
Antic. Rehab. Cost:	\$50	Replacement Cost:	\$750
Recommendations:	Replace asphalt on deck and approaches. Fix settlement in wheelchair ramps. Fix broken guiderail on South approach		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

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:
 ● 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