

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06082024-4	
Date: 5/22/2024	Inspected By: Trevor Upshall	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-363 - SPRINGFIELD RIVER BRIDGE		
Route:	70	Overall Length:	7 m
Year Built:	1966	Est: Yes	Overall Width: 9.1 m
Year Last Rehab.:		Est: No	Roadway Width: 7 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.3 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	0.2 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	02 - Concrete Rail	Span No.:	Length
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	5.4
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	F1 - Fair
		Bearing Seat:	F1 - Fair
Comments:	Assumed condition of buried reinforced concrete abutment footings. Light erosion to visible footings and bottom of abutment face. Wide vertical crack in north abutment. Light surface corrosion to exposed reinforcement on abutment faces. Severe spalling/disintegration to northeast corner of abutment/wingwall. Medium vertical/horizontal cracks with light efflorescence deposits in wingwalls and abutments. Asphalt board bearing visible along north abutment only. Numerous vertical/horizontal cracks, medium spalling with light efflorescence deposits in upstream and downstream retaining walls.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	U - Uninspectable
Comments:	No visible signs of expansion joints. Light honeycombing and medium delamination in deck soffit. Hairline to medium transverse/longitudinal cracks with medium efflorescence in deck soffit.		

DECK			
Condition:	F2 - Fair	Curbs:	G - Good
Hand Rail:	G - Good	Roadway Condition:	G - Good
Approach Rail:	F2 - Fair		
Comments:	Structure underwent rehabilitation in 2022 with installation of new concrete curb and barriers walls, deck drains, curb and gutter, and guiderail for structures. Deck was resurfaced with new asphalt in 2023. Medium deformation to NW buried end. Hairline vertical/pattern cracking in new barrier wall. Medium to wide horizontal cracks, spalling, and delamination in deck fascia's.		
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:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	2040
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:			
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.