

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B08302022-8	
Date: 7/21/2022	Inspected By: M Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	1-165 - STEVE GOSES MILL BRIDGE		
Route:	81	Overall Length:	10.3 m
Year Built:	1987	Est: Yes	Overall Width: 10 m
Year Last Rehab.:		Est: No	Roadway Width: 9 m
Region:	AVALON PENINSULA	Sidewalk Width:	0.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1 m
Type of Structure:	04 - Rigid Frame	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:	01 - Concrete	1	5.1
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Both frame legs were not able to be fully inspected due to high water levels. From the river's edge, the frame legs look in fair condition with no visible issues. Northeast and southeast wingwalls look to be in fair condition, they are heavily covered by overgrowth. Northwest and southwest wingwalls have mild map cracking throughout the entire area with efflorescent leachate.		
SUPERSTRUCTURE			
Condition:	U - Uninspectable	Expansion Joints:	I - Inapplicable
Comments:	- Unable to inspect the deck soffit due to high water levels. Deck fascia's have mild cracking with efflorescent leachate.		
DECK			

Condition:	F1 - Fair	Curbs:	U - Uninspectable
Hand Rail:	P1 - Poor	Roadway Condition:	F2 - Fair
Approach Rail:	I - Inapplicable		
Comments:	- The top of the deck is covered in gravel (no asphalt) but assumed to be in fair condition. Heavy vegetation growth between the curb and the deck, as well as a lot of earth buildup on and around the curbs. All end blocks look to be in fair condition, southwest end block has potential settlement or has been buried from roadway grading. Guiderails not installed. No hazard markers. Major overgrowth surrounding all the end blocks making the structure hard to see on approach. Structure rail missing rails on both sides. Structure rail also missing end caps and evidence of mild damage from snow clearing evident.		
HYDROLOGY			
Water Velocity:	1 m/s	Ice Problem:	N - No Problem
Water Depth:	1 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:	- No riprap on frame leg corners.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2025	Replacement Year:	2040
Antic. Rehab. Cost:	\$75,000	Replacement Cost:	\$500,000
Recommendations:	- Bridge and surrounding area needs to be cleared of all overgrowth and gravel accumulation. - Install guiderail and hazard markers. - Replace structure rail.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	- Limited inspection due to high water levels. Need to revisit later this year.		

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