

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09132021-3	
Date: 2/27/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
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	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Original structure extended approx. 3m U/S and D/S. - Medium erosion to ends, faces and tops of frame leg footings.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Some medium vert. cracks in faces of original structure frame legs. - Medium vert. cracks with light/medium efflor. deposits along construction joints. - Medium alligator cracks in all 4 wingwalls.		
DECK			
Condition:	F2 - Fair	Curbs:	F1 - Fair

Hand Rail:	P1 - Poor	Roadway Condition:	F1 - Fair
Approach Rail:	I - Inapplicable		
Comments:	- No approach or exit rail or hazard markers - Rail missing and parts bent on aluminum handrail on both D/S and U/S ends. - Medium long. cracks with light/medium efflor. deposits and some minor honeycombing in deck soffit. - Some narrow alligator cracks in all 4 end blocks.		

HYDROLOGY

Water Velocity:	0.7 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0.9 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Some road and slope erosion on south end of structure. - Gravel road over top of structure.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2022	Replacement Year:	2037
Antic. Rehab. Cost:	\$30	Replacement Cost:	\$350
Recommendations:	- Install missing alum. rails. - Install approach and exit rail c/w regulation hazard markers (where possible). - Fix slope erosion and place hydraulic rip-rap.		

OBSERVATIONS

Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations:	- P1 (aluminum rail). - F2 (remainder).		

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 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