

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09162021-6	
Date: 9/1/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	3-100 - SALMON RIVER BRIDGE		
Route:		Overall Length:	50.2 m
Year Built:	1993	Est: No	Overall Width: 9.5 m
Year Last Rehab.:		Est: No	Roadway Width: 8.5 m
Region:	CENTRAL WEST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	4 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	2 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:	01 - Concrete	1	37.4
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	- Abutments full of graffiti. Very mild cracking in some locations, F2. Southwest wingwall has mild cracking with efflorescence, F1. Other wingwalls minor cracking throughout, F2. West bearings and bearing seats F2. Uninspectable on east side but everything looks in good condition from below.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	- Underside of deck and girders in fair condition, F2. Some girders have medium sized bug holes that should be repaired on the next rehab. - No visible leakage from expansion joints, F2.		
DECK			
Condition:	F2 - Fair	Curbs:	F1 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	P3 - Poor		
Comments:	- No Asphalt/wearing surface on structure. Approach/exit has heavy cracking with potholes, P3. - Curbs in fair condition with mild cracking, F1. - Approach/exit rail on the southwest side has a post split in half and with half the post section missing, P3. Remaining approach/exit rails F1 and connected to end blocks. - Handrail in good condition, F2. - North and south fascia's weathered with light cracking throughout, F2.		

HYDROLOGY

Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem
Water Depth:	Deep m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Water deep, rip-rap still has good placement.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2023	Replacement Year:	2040
Antic. Rehab. Cost:	\$30000	Replacement Cost:	\$1500000
Recommendations:	- Pave structure to protect the exposed concrete deck. Include some minor funds to fix some concrete defects if possible, these can wait. - Repair approach/exit guide rail posts.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	- Bridge condition, F2 overall. Hazards, mild traffic and steep slopes.		

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