
	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01042021-9	
Date: 4/22/2020	Inspected By: Terrance Coates	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-001 - ROMAINE'S RIVER BRIDGE		
Route:		Overall Length:	61.5 m
Year Built:	1970	Est: No	Overall Width: 8.8 m
Year Last Rehab.:		Est: No	Roadway Width: 7.2 m
Region:	WEST COAST/NORTHERN	Sidewalk Width:	0.8 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	6 m
Type of Structure:	06 - Concrete Arch/TechSpan	Max Depth of N.W.L.:	0.5 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	49.2
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P1 - Poor	Bearings:	U - Uninspectable
		Bearing Seat:	F2 - Fair
Comments:	Severe stress cracking along both abutment walls; Scour and severe cracking throughout piers; Possible undermining of piers; Severe cracking and spalling throughout headwalls; Bearings need to be inspected; Delamination of concrete wingwalls and abutments.		
SUPERSTRUCTURE			
Condition:	P1 - Poor	Expansion Joints:	P1 - Poor
Comments:	Expansion joints damaged, leaking; Moderate cracking and spalling along bottom of girders; Minor corrosion to exposed reinforcement. Staining and severe spalling fascia curb; moderate corrosion to exposed reinforcement. Expansion joints paved over.		
DECK			

Condition:	U - Uninspectable	Curbs:	P1 - Poor
Hand Rail:	P1 - Poor	Roadway Condition:	P1 - Poor
Approach Rail:	P1 - Poor		
Comments:	Curb and fascia has severe spalling with exposed reinforcement. Delamination underside of deck; damage to handrail and in poor condition; No structural rail, rail not connected to end block. Concrete deck exposed in some areas due to poor asphalt conditions. Minor deck repairs needed (patches).		

HYDROLOGY

Water Velocity:	0 m/s	Ice Problem:	K - Known Problem
Water Depth:	0 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	K - Known Problem
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace structure with new alignment.		

OBSERVATIONS

Overall Condition:	P1 - Poor	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 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