

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B08162023-4	
Date: 11/1/2022	Inspected By: M Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	4-041 - RIVER OF PONDS BRIDGE		
Route:		Overall Length:	62 m
Year Built:	1965	Est: No	Overall Width: 10.9 m
Year Last Rehab.:		Est: Yes	Roadway Width: 10.1 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3.1 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	1 m
Purpose of Structure:	03 - Over Navigable Waters		
Type of Handrail:	01 - Aluminum Rail		
Roadway Surface:	02 - Asphalt	Spans:	
Alignment Vertical:	01 - Good	<u>Span No.:</u>	<u>Length</u>
Alignment Horizontal:	01 - Good	<u>Span No.:</u>	<u>Length</u>
Restrictions:	No	1	47
		2	0
		3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	P3 - Poor
		Bearing Seat:	F1 - Fair
Comments:	- East abutment has narrow cracks throughout. There appears to be several areas of delaminated concrete, small areas of spalling, F1. - West abutment has medium vertical cracks along the wall. There is a wide vertical crack in the center of the abutment that extends from the base to the top. Most of the rip rap has washed away at the base of the abutment wall, F1. - Wingwalls have light to medium map cracking with efflorescence. The concrete surface is stained from corroded steel in some areas. There are light to medium spalls in local areas, F1. - Bearings are elastomeric pads. West bearings are uninspectable. East bearings are in poor condition. Some bearings have narrow cracks throughout. All bearings have light to medium bulging. The exterior bearing on the East has shifted towards the abutment wall and has a section hanging off the bearing seat, P3. - Bearing seats are in fair condition. There is light deterioration throughout, F1.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	U - Uninspectable
Comments:	- Girders are in fair condition. There are narrow longitudinal cracking on the bottom flange of the exterior girders, pop out located near the west abutment exposed stirrups with severe corrosion, F1. - Diaphragms are in fair condition, F1. - Underside of deck is in overall fair condition, F2. - Deck soffit has medium to large spalls in local areas. The spalls are exposing rebar with medium to severe corrosion, F1 to P3. - Expansion joints are paved over. The West expansion joint is suspected to be leaking onto the abutment below. Not fully inspectable		
DECK			
Condition:	P3 - Poor	Curbs:	I - Inapplicable
Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor

Approach Rail:	F1 - Fair
Comments:	- Roadway – There are shallow potholes covering a large portion of the deck span. There is light to medium raveling throughout. The asphalt covering one of the expansion joints has severe cracking spanning the length of the joint, F1 to P3. - Curbs – N/A - End blocks – N/A - Handrails are in fair condition. There are small cracks and dents throughout, F1. - Guiderails is missing one hazard marker. The posts have regulation spacing. There are no end blocks to connect to the guiderails, P3.

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:	2033	Replacement Year:	2040
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	- Recommended to repave asphalt deck and to install concrete curbs, end blocks, and new bridge rail.		

OBSERVATIONS

Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	- Bridge is in overall fair condition, F1 with P3 areas.		

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