



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B07232024-3

Date: 7/22/2024

Inspected By: D. Burns/J. Rowe/B. Grandy

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-047 - RED HARBOUR RIVER EAST BRIDGE			Overall Length:	30.8 m
Route:	210			Overall Width:	14 m
Year Built:	1971	Est: No		Roadway Width:	12.6 m
Year Last Rehab.:	2023	Est: No		Sidewalk Width:	0 m
Region:	CENTRAL EAST			Clearance to R.D. or N.W.L.:	5 m
Jurisdiction:	Provincial			Max Depth of N.W.L.:	0.5 m
Type of Structure:	01 - AASH to Girder			Spans:	
Purpose of Structure:	04 - Over Non-Navigable Waters			<u>Span No.:</u>	<u>Length</u>
Type of Handrail:	04 - Steel Rail			<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt			1	16
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:	P3 - Poor
Comments:	Bearing seats have various pieces of debris such as concrete or rocks. Left side wingwalls and abutment corners have been encased in new concrete in 2023. Rest of substructure has map cracking and efflorescence. Some green algae staining on abutment walls and near abutment bottoms. Some water flow coming out from the bottom of each abutment wall in some areas.		

SUPERSTRUCTURE

Condition:	F2 - Fair	Expansion Joints:	G - Good
Comments:	7 AASHTO girders. Efflorescence staining on all girders. Honeycombing on girders #3 and #6, abutment #1 and #2 respectively.		

DECK

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	G - Good	Roadway Condition:	G - Good
Approach Rail:	G - Good		
Comments:	Underside of deck has alligator cracking with efflorescence seeping through in multiple areas. Spalling between girders #3 and #4, suspected hole in the deck, approximately golf ball sized; some rust staining around this area as well. Some efflorescence on underside of deck near drain of approach #1, right. No drip bead along rehabbed surfaces of bottom edge of the curb.		

HYDROLOGY

Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	0.5 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Some scouring on bottom of abutments, with small streams running out from underneath them.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	T.B.D.	Replacement Year:	
Antic. Rehab. Cost:	\$T.B.D	Replacement Cost:	\$0
Recommendations:	Rehabbed in 2023.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			