

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01142021-2																	
Date: 5/7/2020	Inspected By: Terrance Coates	Category: Eng. - Engineering																	
BRIDGE INFORMATION																			
Site:	4-148 - DRY POND BROOK BRIDGE																		
Route:		Overall Length:	42.8 m																
Year Built:	1978	Est: No	Overall Width: 10.9 m																
Year Last Rehab.:		Est: No	Roadway Width: 9.9 m																
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m																
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.: 4.5 m																
Type of Structure:	01 - AASH to Girder		Max Depth of N.W.L.: 0.5 m																
Purpose of Structure:	03 - Over Navigable Waters		Spans:																
Type of Handrail:	01 - Aluminum Rail		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Span No.:</u></th> <th style="text-align: left;"><u>Length</u></th> <th style="text-align: left;"><u>Span No.:</u></th> <th style="text-align: left;"><u>Length</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>31.2</td> <td>4</td> <td>0</td> </tr> <tr> <td>2</td> <td>0</td> <td>5</td> <td>0</td> </tr> <tr> <td>3</td> <td>0</td> <td>6</td> <td>0</td> </tr> </tbody> </table>	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>	1	31.2	4	0	2	0	5	0	3	0	6	0
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1	31.2	4	0																
2	0	5	0																
3	0	6	0																
Roadway Surface:	02 - Asphalt																		
Alignment Vertical:	01 - Good																		
Alignment Horizontal:	01 - Good																		
Restrictions:	No																		
BRIDGE PHOTOS																			
<div style="display: flex; justify-content: space-around;">   </div>																			
SUBSTRUCTURE																			
Condition:	F2 - Fair	Bearings:	G - Good																
		Bearing Seat:	P1 - Poor																
Comments:	Moderate to severe spalling on southwest bearing seat. Minor scour damage on south abutment wall.																		
SUPERSTRUCTURE																			
Condition:	F2 - Fair	Expansion Joints:	P1 - Poor																
Comments:	Expansion joints are paved over and there is evidence on the abutment and bearing seats that they're leaking.																		
DECK																			
Condition:	P1 - Poor	Curbs:	P1 - Poor																
Hand Rail:	F2 - Fair	Roadway Condition:	P1 - Poor																

Approach Rail: P1 - Poor

Comments: Deck fascia is deteriorated with moderated corrosion to exposed rebar. Moderate spalling of deck soffit. Asphalt on deck is very deteriorated with many potholes leading me to believe some concrete deck repair would be needed. No end curbs on deck. No end blocks. Bridge approaches have guide (not structural) and bridge exits have no rail.

HYDROLOGY

Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	0 m	Scour Problem:	N - No Problem
Waterway:	02 - InAdequate	Debris Problem:	N - No Problem

Comments:

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0

Recommendations: Replace expansion joints. Latex concrete repairs to bearing seats and wingwalls. Install curbs and end blocks. Install structural approach rail. Repair concrete deck. Pave deck and approaches. Install hazard markers.

OBSERVATIONS

Overall Condition:	P1 - Poor	Requires Further Inspection:	No
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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 B, F, P, or C
- Any evidence of known ice, scour, debris, waterway problems

INSPECTION PHOTOS