

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07232021-3																	
Date: 7/7/2021	Inspected By: McCaw J	Category: Eng. - Engineering																	
BRIDGE INFORMATION																			
Site:	3-081 - INDIAN RIVER BRIDGE																		
Route:		Overall Length:	55 m																
Year Built:	1968	Est: No	Overall Width: 8.9 m																
Year Last Rehab.:		Est: No	Roadway Width: 7.5 m																
Region:	CENTRAL WEST	Sidewalk Width:	0 m																
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3.5 m																
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	1.5 m																
Purpose of Structure:	04 - Over Non-Navigable Waters																		
Type of Handrail:	01 - Aluminum Rail																		
Roadway Surface:	02 - Asphalt	<table border="1" 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>23.7</td> <td>4</td> <td>0</td> </tr> <tr> <td>2</td> <td>23.6</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	23.7	4	0	2	23.6	5	0	3	0	6	0
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1	23.7	4	0																
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3	0	6	0																
Alignment Vertical:	01 - Good																		
Alignment Horizontal:	01 - Good																		
Restrictions:	No																		
BRIDGE PHOTOS																			
																			
SUBSTRUCTURE																			
Condition:	F2 - Fair	Bearings:	F2 - Fair																
		Bearing Seat:	P3 - Poor																
Comments:	Cracking, spalling and efflor present on all wingwall surfaces. Pier has cracking on upstream and downstream sides. Bearing seating failure under one girder.																		
SUPERSTRUCTURE																			
Condition:	F2 - Fair	Expansion Joints:	P1 - Poor																
Comments:	Some cracking on girder. Deck leaking on girders around centerline of road. Expansion joints paved over.																		
DECK																			
Condition:	P1 - Poor	Curbs:	F1 - Fair																
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair																

Approach Rail:	F2 - Fair		
Comments:	Large patches along centerline of road. Great deal of minor cracking on road surface. Damage to curbs and rails.		
HYDROLOGY			
Water Velocity:	0.1 m/s	Ice Problem:	N - No Problem
Water Depth:	1.0 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	No scour visible		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2022	Replacement Year:	2040
Antic. Rehab. Cost:	\$500000	Replacement Cost:	\$8000000
Recommendations:	Replace deck and expansion joints. Install new curbs, steel rail. Extend deck drains and patch damage to abutments/piers.		
OBSERVATIONS			
Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations:	Parking ok. Hazards: Traffic, Slipping, Water		
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● 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			