

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01112021-4																	
Date: 5/4/2020	Inspected By: Terrance Coates	Category: Eng. - Engineering																	
BRIDGE INFORMATION																			
Site:	4-110 - DOWNEY BRIDGE																		
Route:		Overall Length:	24.3 m																
Year Built:	1984	Est: No	Overall Width: 10 m																
Year Last Rehab.:		Est: Yes	Roadway Width: 9 m																
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m																
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.8 m																
Type of Structure:	03 - Reinforced Concrete Beam/Slab		Max Depth of N.W.L.: 0 m																
Purpose of Structure:	03 - Over Navigable Waters		Spans:																
Type of Handrail:	01 - Aluminum Rail		<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>12.9</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	12.9	4	0	2	0	5	0	3	0	6	0
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1	12.9	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																			
SUBSTRUCTURE																			
Condition:	G - Good	Bearings:	G - Good																
		Bearing Seat:	G - Good																
Comments:																			
SUPERSTRUCTURE																			
Condition:	G - Good	Expansion Joints:	I - Inapplicable																
Comments:	No mechanical joint.																		
DECK																			
Condition:	G - Good	Curbs:	G - Good																
Hand Rail:	G - Good	Roadway Condition:	G - Good																
Approach Rail:	P1 - Poor																		
Comments:	Upstream lane deck drain rusting and has caused deterioration to soffit around deck drain. Upstream girder has cracking and deterioration. (Next to leaking deck drain) Approach rail damaged and not structural. Cracking in asphalt where mechanical joint should be and at the end of the approach slabs.																		
HYDROLOGY																			
Water Velocity:	0 m/s	Ice Problem:	P - Possible Problem																
Water Depth:	0 m	Scour Problem:	P - Possible Problem																
	01 - Adequate		P - Possible Problem																

Waterway:	Debris Problem:			
Comments:				
REPLACEMENT/REHABILITATION				
Next Rehab. Date: 2021	Replacement Year: 2021			
Antic. Rehab. Cost: \$0	Replacement Cost: \$0			
Recommendations: Replace hazard markers. Remove winter sand build-up along curbs. Latex concrete repairs to upstream girder. Replace upstream lane deck drain. Install structural rail on approaches.				
OBSERVATIONS				
Overall Condition: G - Good	Requires Further Inspection: No			
Additional Observations:				
LEGEND:				
Condition Definitions:				
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	Problem Definitions:	Category Definitions:
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	N - No Problem.	Maint. - Maintenance.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	P - Possible Problem.	Eng. - Engineering.
4 - *Unsafe - [discontinued code].	P1 - Poor.		K - Known Problem.	Office - Bridge Office.
G - Good.	P - Poor.		NA - Not Applicable.	
PHOTO GUIDELINES:				
Inspection Photos:				
Please provide photos using guidelines below:				
<ul style="list-style-type: none"> ● Any item which inspector sees 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				

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.