



GOVERNMENT OF  
NEWFOUNDLAND  
AND LABRADOR  
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT**  
**B06012020-2**

Date: 6/1/2020

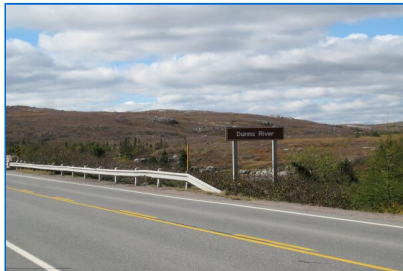
Inspected By: Alex Ford

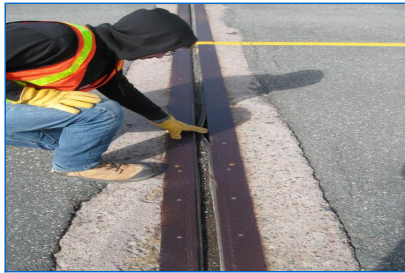
Category: Eng. - Engineering

**BRIDGE INFORMATION**

Site:	2-002 - DUNN'S RIVER BRIDGE				
Route:	210	Overall Length:	45 m		
Year Built:	1970	Est: No	Overall Width:	11.3 m	
Year Last Rehab.:	1989	Est: No	Roadway Width:	9.9 m	
Region:	CENTRAL EAST	Sidewalk Width:	0 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	4 m		
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	1.5 m		
Purpose of Structure:	03 - Over Navigable Waters	Spans:			
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	31	4	0
Alignment Vertical:	01 - Good	2	0	5	0
Alignment Horizontal:	01 - Good	3	0	6	0
Restrictions:	No				

**BRIDGE PHOTOS**







**SUBSTRUCTURE**

<b>Condition:</b>	P3 - Poor	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	Concrete abutments and wingwalls. Minor erosion of concrete footings. Some light cracking throughout, upper corners of abutments disintegrated in to edge of girders, previous repairs failing. Some bearing pads cracked and some rust staining on bearing seat and girders in a few locations.		

**SUPERSTRUCTURE**

<b>Condition:</b>	P3 - Poor	<b>Expansion Joints:</b>	P1 - Poor
<b>Comments:</b>	6 AASHTO girders, some longitudinal cracking, girders 1,2,3,4,5,6 all have exposed rebar, delaminations, spalls and honeycomb. Expansion joints are leaking and the road sections are damaged - curb section concrete disintegrated.		

**DECK**

<b>Condition:</b>	P3 - Poor	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	P3 - Poor	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	P3 - Poor		
<b>Comments:</b>	Concrete deck with asphalt wearing surface, asphalt cracked at approaches, very poor condition on deck due to poor deck condition. 4 rail aluminum hand rail with concrete end blocks -rail left side repaired after recent truck accident but is cobbled together, endblocks left side partially destroyed, right side severe cracking. Approach rail leaned, rotted posts.		

**HYDROLOGY**

<b>Water Velocity:</b>	1.5 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	1.5 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>			

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2020	<b>Replacement Year:</b>	2020
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0

<b>Recommendations:</b>	Extensive rehab required.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	P3 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Change ID signs to 'Paradise River' - the proper name of this stream.		
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
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.		
<b>Category Definitions:</b>			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			

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