

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B05292020-23</b>	
<b>Date:</b> 5/28/2020	<b>Inspected By:</b> AB	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	2-101 - ARNOLD'S COVE STATION BRIDGE		
<b>Route:</b>	2-1-04	<b>Overall Length:</b>	19 m
<b>Year Built:</b>	2005	<b>Est:</b> No	<b>Overall Width:</b> 5 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 3.4 m
<b>Region:</b>	CENTRAL EAST	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	1.5 m
<b>Type of Structure:</b>	09 - Bailey Bridge	<b>Max Depth of N.W.L.:</b>	1 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	06 - None	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	03 - Timber	1	18.3
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	02 - Adequate	3	0
<b>Restrictions:</b>	Yes	<u>Span No.:</u>	<u>Length</u>
<b>Describe Restrictions:</b>	Bridge is one lane only.		
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	Treated timber abutments and bearing seat. Concrete scour repairs made following Hurricane Igor. Old creosote abutments and superstructure left in place under new structure is in unsafe condition but cannot be accessed.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	F2 - Fair
<b>Comments:</b>	Six panel Mabey Compact 200 single lane bridge. Treated timber stringers.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	I - Inapplicable	<b>Roadway Condition:</b>	F2 - Fair

<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	100mm x 150mm treated timber chesses, 50mm raceway. 150mm x 150mm treated timber curbs. Approach to abutment one paved 2014, approach to abutment two gravel. Timber runway is deteriorated with potholes present and more forming.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	.5 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	.3 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Gabion adjacent to Abutment 2 left damaged by ice.		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>	Replace raceway.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Hydraulic rip rap placed all four corners. Upstream gabions toppled during Hurricane Igor and are buried under rip rap.		
<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>			