

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B05122021-8</b>	
<b>Date:</b> 4/27/2021	<b>Inspected By:</b> Butler	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	2-203 - MONROE BRIDGE (OLD)		
<b>Route:</b>	232	<b>Overall Length:</b>	10 m
<b>Year Built:</b>	1945	<b>Est: Yes</b>	<b>Overall Width:</b> 5.3 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 0 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>	2 m
<b>Type of Structure:</b>	05 - Pre-stressed Concrete Slab	<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>	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	01 - Concrete	1	6
<b>Alignment Vertical:</b>	03 - Poor	2	0
<b>Alignment Horizontal:</b>	03 - Poor	3	0
<b>Restrictions:</b>	Yes	<b>Span No.:</b>	<b>Length</b>
<b>Describe Restrictions:</b>	Old structure - Not in use.		
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	C - Unsafe (Closed to Public)	<b>Bearings:</b>	C - Unsafe (Closed to Public)
		<b>Bearing Seat:</b>	C - Unsafe (Closed to Public)
<b>Comments:</b>	Concrete abutments and wing walls. Severe disintegration of all.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	C - Unsafe (Closed to Public)	<b>Expansion Joints:</b>	C - Unsafe (Closed to Public)
<b>Comments:</b>	Three 350mm x 700mm concrete beams. Severe disintegration and delamination of exterior beams. Centre beam has severe cracking with efflorescence. Soffit has cracking with efflorescence, severe disintegration of exterior soffit.		
<b>DECK</b>			
<b>Condition:</b>	C - Unsafe (Closed to Public)	<b>Curbs:</b>	C - Unsafe (Closed to Public)

<b>Hand Rail:</b>	C - Unsafe (Closed to Public)	<b>Roadway Condition:</b>	C - Unsafe (Closed to Public)
<b>Approach Rail:</b>	C - Unsafe (Closed to Public)		
<b>Comments:</b>	Bridge rail missing. Severe scaling and delamination of deck with severe disintegration and exposed rebar along the edges.		

**HYDROLOGY**

<b>Water Velocity:</b>	1 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.5 m	<b>Scour Problem:</b>	K - Known Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Scour under abutment one and two.		

**REPLACEMENT/REHABILITATION**

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

**OBSERVATIONS**

<b>Overall Condition:</b>	C - Unsafe (Closed to Public)	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Structure is accessible and is used by ATV's.		

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
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 P3, P1, P, or C
- Any evidence of known ice, scour, debris, waterway problems

**INSPECTION PHOTOS**