

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B01172020-5</b>			
Date: 9/26/2019		Inspected By: Lynch R / Martin L		Category: Eng. - Engineering			
<b>BRIDGE INFORMATION</b>							
Site:	3-011 - MARY MARCH BRIDGE			Overall Length:	49.2 m		
Route:	370			Overall Width:	9 m		
Year Built:	1955	Est:	No	Roadway Width:	7.8 m		
Year Last Rehab.:		Est:	No	Sidewalk Width:	0 m		
Region:	CENTRAL WEST			Clearance to R.D. or N.W.L.:	5.5 m		
Jurisdiction:	Provincial			Max Depth of N.W.L.:	0 m		
Type of Structure:	03 - Reinforced Concrete Beam/Slab			Spans:			
Purpose of Structure:	04 - Over Non-Navigable Waters						
Type of Handrail:	01 - Aluminum Rail			<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	
Roadway Surface:	02 - Asphalt			1	24.6	4	
Alignment Vertical:	01 - Good			2	0	5	
Alignment Horizontal:	01 - Good			3	0	6	
Restrictions:	No						
<b>SUBSTRUCTURE</b>							
Condition:	F1 - Fair		Bearings:	U - Uninspectable			
			Bearing Seat:	U - Uninspectable			
Comments:	Could not get under structure; banks too steep and water high. Wing wall at abutment 2 LHS tipped out approx. 4".						
<b>SUPERSTRUCTURE</b>							
Condition:	F2 - Fair		Expansion Joints:	F1 - Fair			
Comments:	Joints paved over. Could only view arch girders from top of bridge.						
<b>DECK</b>							
Condition:	F1 - Fair		Curbs:	F1 - Fair			
Hand Rail:	F2 - Fair		Roadway Condition:	F1 - Fair			
Approach Rail:	F2 - Fair						
Comments:	Asphalt cracking near center pier in span 1 RHS - appears to be a bottom up defect. Approach rail damaged. RHS curb severely spalled on vertical face. Large amount of efflorescence on soffits.						
<b>HYDROLOGY</b>							
Water Velocity:	0 m/s		Ice Problem:	N - No Problem			
Water Depth:	0 m		Scour Problem:	P - Possible Problem			
Waterway:	01 - Adequate		Debris Problem:	N - No Problem			
Comments:	Water very high.						

<b>REPLACEMENT/REHABILITATION</b>			
<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>	Repair guiderails. Remove asphalt from deck for investigation. Repair curb. Repair tipped wing wall.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	Yes
<b>Additional Observations:</b>	Bridge curved and super-elevated. 3 Arch girders (x2) spans.		
<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.