

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B01222021-8</b>	
<b>Date:</b> 5/20/2020	<b>Inspected By:</b> Terrance Coates	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	4-130 - LOMOND RIVER BRIDGE		
<b>Route:</b>	431	<b>Overall Length:</b>	42.6 m
<b>Year Built:</b>	1982	<b>Est: No</b>	<b>Overall Width:</b> 10 m
<b>Year Last Rehab.:</b>		<b>Est: Yes</b>	<b>Roadway Width:</b> 9 m
<b>Region:</b>	WEST COAST/NORTHERN		<b>Sidewalk Width:</b> 0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	2.9 m
<b>Type of Structure:</b>	01 - AASH to Girder	<b>Max Depth of N.W.L.:</b>	1.5 m
<b>Purpose of Structure:</b>	03 - Over Navigable Waters		
<b>Type of Handrail:</b>	01 - Aluminum Rail	<b>Spans:</b>	
<b>Roadway Surface:</b>	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Vertical:</b>	01 - Good	1	33.4
<b>Alignment Horizontal:</b>	01 - Good	2	0
<b>Restrictions:</b>	No	3	0
		<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	G - Good	<b>Bearings:</b>	G - Good
		<b>Bearing Seat:</b>	G - Good
<b>Comments:</b>	Efflorescence deposits on abutment wall.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	G - Good	<b>Expansion Joints:</b>	P3 - Poor
<b>Comments:</b>	Expansion joints are paved over. End blocks are deteriorated with exposed rebar corroded. Spalling of concrete on the bottom of some girders next to the bearing pad. Spalling and deterioration along soffits.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	P1 - Poor
<b>Hand Rail:</b>	P3 - Poor	<b>Roadway Condition:</b>	P1 - Poor

<b>Approach Rail:</b>	P3 - Poor		
<b>Comments:</b>	Aluminum handrail is damaged by snow plow blade. Curb is deteriorated with exposed rebar. Cracking in the asphalt where there the expansion joints are paved over (No potholes).		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>			
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2021	<b>Replacement Year:</b>	2021
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>	Remove winter sand build-up along curbs. Resurface curbs. Install new end blocks. Install new hand rail. Latex concrete repairs to soffits and underside of girders. Replace expansion joints. Install hazard markers.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			
<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>PHOTO GUIDELINES:</b>		<b>Category Definitions:</b>	
<b>Inspection Photos:</b>		Maint. - Maintenance.	
Please provide photos using guidelines below:		Eng. - Engineering.	
<ul style="list-style-type: none"> <li>● Any item which inspector sees 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>		Office - Bridge Office.	
<b>INSPECTION PHOTOS</b>			