

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B09052023-6</b>	
<b>Date:</b> 8/28/2023	<b>Inspected By:</b> Darrell Avery	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	2-095 - TROUT BROOK BRIDGE (BELLVUE)		
<b>Route:</b>	201	<b>Overall Length:</b>	27.5 m
<b>Year Built:</b>	1990	<b>Est:</b> No	<b>Overall Width:</b> 14 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 8 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> 6 m
<b>Type of Structure:</b>	04 - Rigid Frame		<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	<b>Span No.:</b>	<b>Length</b>
<b>Roadway Surface:</b>	02 - Asphalt	1	12.4
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	Previous inspection - Concrete abutments and wing walls. Medium cracking with efflorescence throughout abutments and wing walls.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Previous inspection - Light to medium cracking of the soffit with efflorescence and active wet areas. Medium map cracking and longitudinal cracking of parapet wall with significant efflorescence. Efflorescence also present on underside of deck. Soffit on Abutment 2, right is starting to chip away. New inspection - Continued efflorescence in U/S cracks on both sides of structure frame.		
<b>DECK</b>			

<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	I - Inapplicable
<b>Hand Rail:</b>	I - Inapplicable	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	Previous inspection - Rigid frame structure with approximately 1.5 metres of fill. Flex beam guide rail both sides with a few broken posts. Object markers abutment one and two, left are missing, and abutment 1 right. Shoulder washed out under guiderail on right side. New inspection - continued deterioration at end of parapet walls - thick spalling at approach right.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0.5 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	1 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Previous inspection - Abutment one, left and right, slope protection adjacent to wing walls is undermined and fallen into brook.		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$tbd	<b>Replacement Cost:</b>	\$tbd
<b>Recommendations:</b>	Repair guide rail posts. Replace missing object markers. Place rip-rap at Abutment one. Repair washout under right side guiderail. Concrete repairs		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.