

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B08152024-3</b>	
<b>Date:</b> 8/15/2024	<b>Inspected By:</b> L. Christensen/D.Burns	<b>Category:</b> Office - Bridge Office	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	2-030 - GRAND BANK BROOK BRIDGE (NO.1)		
<b>Route:</b>	210	<b>Overall Length:</b>	31.8 m
<b>Year Built:</b>	1968	<b>Est:</b> No	<b>Overall Width:</b> 11.5 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 8.5 m
<b>Region:</b>	CENTRAL EAST		<b>Sidewalk Width:</b> 1.1 m
<b>Jurisdiction:</b>	Provincial		<b>Clearance to R.D. or N.W.L.:</b> 3.3 m
<b>Type of Structure:</b>	01 - AASH to Girder		<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		
<b>Roadway Surface:</b>	02 - Asphalt	<b>Span No.:</b>	<b>Length</b>
<b>Alignment Vertical:</b>	01 - Good	1	24
<b>Alignment Horizontal:</b>	01 - Good	2	0
<b>Restrictions:</b>	No	3	0
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Bearings:</b>	U - Uninspectable
		<b>Bearing Seat:</b>	U - Uninspectable
<b>Comments:</b>	Medium cracks, concrete deterioration and efflorescence on wing walls and abutments. Medium erosion on southern abutment. Evidence of expansion joints leaking onto abutments.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F1 - Fair	<b>Expansion Joints:</b>	U - Uninspectable
<b>Comments:</b>	Expansion joints paved over. Low cover spalling exposing bottom reinforcement on east girder (outside) at midpoint.		
<b>DECK</b>			
<b>Condition:</b>	F1 - Fair	<b>Curbs:</b>	P1 - Poor

<b>Hand Rail:</b>	P3 - Poor	<b>Roadway Condition:</b>	F1 - Fair
<b>Approach Rail:</b>	F1 - Fair		
<b>Comments:</b>	Water staining and minor efflorescence around deck drain holes (no pipes). Curbs have severe concrete deterioration on fascia (rebar showing) and sidewalks. Hand rail is old concrete rail with medium cracks.		
<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>	Old spillway directly upstream.		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2030	<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>			
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Monitor girder deterioration and curb/sidewalk/hand rail for safety concerns.		

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