

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09152022-14	
Date: 7/28/2022	Inspected By: M Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	4-064 - BLUE GULCH BROOK BRIDGE		
Route:		Overall Length:	8.9 m
Year Built:	1969	Est: No	Overall Width: 18.3 m
Year Last Rehab.:		Est: No	Roadway Width: 15.1 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 1.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.3 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab		Max Depth of N.W.L.: 0.3 m
Purpose of Structure:	03 - Over Navigable Waters		Spans:
Type of Handrail:	04 - Steel Rail	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	5.2
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Both frame legs have light to moderate erosion along the waterline but are in fair condition. - Wingwalls in fair condition. - No bearings or bearing seat, rigid frame.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Deck soffit has various steps along structure from extensions over the years. Isolated spalls on exposed fascia's under the structure. Deck soffit overall in fair condition. - Structure extension joints opening, no visible signs of leakage. - Upstream and downstream earth retaining headwalls in fair condition. - Headwall beams delaminated with various wide cracks due to corrosion of reinforcement. - No visible expansion joints.		
DECK			

Condition:	I - Inapplicable	Curbs:	F1 - Fair
Hand Rail:	P - Poor	Roadway Condition:	F2 - Fair
Approach Rail:	I - Inapplicable		
Comments:	- Asphalt in fair condition. - Curbs have various spalls to roadside corners. Exterior in fair condition. - Steel structure rail has numerous perforations, replace, P. - No guiderail. End blocks delaminated from steel rail corrosion, P3.		
HYDROLOGY			
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem
Water Depth:	0.2 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- No comment.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2025	Replacement Year:	2040
Antic. Rehab. Cost:	\$50,000	Replacement Cost:	\$1,500,000
Recommendations:	- Replace structure rail and end blocks. - Install guiderail complete with regulation post spacing and hazard markers. - Repair headwall beams.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	- Bridge overall in fair condition with P3 and P areas.		

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