

GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

## BRIDGE INSPECTION REPORT B01172020-8

Date: 9/26/2019 Inspected By: Lynch R / Martin L Category: Eng. - Engineering

**BRIDGE INFORMATION** 

Site: 3-006 - BUCHANS BROOK BRIDGE

Route: 370

Year Built: 1963 Est: No
Year Last Rehab.: Est: No

Region: CENTRAL WEST

Jurisdiction: Provincial

Type of Structure: 01 - AASH to Girder

Purpose of Structure: 04 - Over Non-Navigable Waters

Type of Handrail: 02 - Concrete Rail
Roadway Surface: 02 - Asphalt
Alignment Vertical: 01 - Good
Alignment Horizontal: 02 - Adequate

Restrictions: No

Overall Length:

55 **m** 8.8 **m** 

Overall Width: Roadway Width:

Sidewalk Width: 0 m

Clearance to R.D. or

3.5 **m** 

7.3 m

Max Depth of N.W.L.:

1 m

Spans:

N.W.L.:

Span No.:	<u>Length</u>	Span No.:	<u>Length</u>
1	23.8	4	0
2	0	5	0
3	0	6	0







**SUBSTRUCTURE** 

**Condition:** F2 - Fair **Bearings:** F2 - Fair

**Bearing Seat:** F2 - Fair

Comments: Bearings have minor stressing. Severe scour on center pier footing. Pier cap spalled / deteriorated, cracking.

Recent rehabilitation on abutment 1.

SUPERSTRUCTURE

**Condition:** F2 - Fair **Expansion Joints:** F2 - Fair

Comments: Horizontal hairline cracking on girders. Expansion joint seals good, holding water. Minor damage to concrete on

expansion joint 1.

DECK

**Condition:** F2 - Fair **Curbs:** F2 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair	riodanaj conditioni			
Comments:	Lots of winter sand on deck, water pooling in areas. Settlement at approaches with asphalt cracked. Stratification of deck concrete, honeycombed in areas. Leaking between girder 4 and 5.				
HYDROLOGY					
Water Velocity:	0 <b>m/s</b>	Ice Problem:	N - No Problem		
Water Depth:	0 <b>m</b>	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Water high and flowing over footing of center pier.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Clean bridge deck.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:					
LEGEND: Condition Definitions:  1 - Good - [discontinued code]. 2 - Fair - [discontinued code]. 3 - Poor - [discontinued code]. 4 - *Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: Inspection Photos: Please provide photos using guideling any term wrich inspector in Any term wrich inspector in Any vidence of known ice	F2 - Fair. C - Unsafe (Closed to F1 - Fair. U - Uninspectable. P3 - Poor. I - Inapplicable. P1 - Poor. P - Poor.  nes below: eens snound be documented by pnotograpn eing P3, P1, P1, or C ens scour, debris, waterway problems	Public). N - No P - Po K - Kr	em Definitions: b Problem.  pssible Problem.  nown Problem.  Not Applicable.  Category Definitions: Maint Maintenance. Eng Engineering. Office - Bridge Office.		
INSPECTION PHOTOS					

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.