

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05292020-20	
Date: 5/29/2020	Inspected By: AB	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-095 - TROUT BROOK BRIDGE (BELLVUE)		
Route:	201	Overall Length:	27.5 m
Year Built:	1990	Est: No	Overall Width: 14 m
Year Last Rehab.:		Est: No	Roadway Width: 8 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	6 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	06 - None	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	12.4
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Concrete abutments and wing walls. Medium cracking with efflorescence throughout abutments and wing walls. Scour checked in 2020. None present		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	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.		
DECK			
Condition:	F2 - Fair	Curbs:	I - Inapplicable

Hand Rail:	I - Inapplicable	Roadway Condition:	I - Inapplicable
Approach Rail:	F2 - Fair		
Comments:	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.		

HYDROLOGY

Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	1 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Abutment one, left and right, slope protection adjacent to wing walls is undermined and fallen into brook.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Repair guide rail posts. Replace missing object markers. Place rip-rap at Abutment one. Repair washout under right side guiderail.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
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Additional Observations:

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

PHOTO GUIDELINES:

Inspection Photos:

Please provide photos using guidelines below:

- Any item which inspector feels should be documented by photograph
- All items noted above as being P3, P1, P, or C
- Any evidence of known ice, scour, debris, waterway problems

INSPECTION PHOTOS