

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05122021-2	
Date: 4/22/2021	Inspected By: Butler	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-017 - BUNYAN'S COVE BRIDGE		
Route:	233	Overall Length:	12.6 m
Year Built:	1965	Est: No	Overall Width: 9.3 m
Year Last Rehab.:		Est: No	Roadway Width: 8.1 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	1.5 m
Purpose of Structure:	03 - Over Navigable Waters	Spans:	
Type of Handrail:	06 - None	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	5.5
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Concrete abutments and wing walls. Concrete footings have severe scaling from salt water exposure. Abutments and wing walls have cracking and spalling with some efflorescence. Medium to severe scaling of abutment walls in tidal zone. there is possibly scour under the left side of abutment 1. The right side wing walls have scour repairs completed.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Some light and moderate scaling and cracking is evident on the deck soffit and fascia.		
DECK			
Condition:	F2 - Fair	Curbs:	P3 - Poor

Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor
Approach Rail:	F2 - Fair		
Comments:	Concrete bridge rail with no end blocks, right side rail is in good condition, left side is poor. Object marker on the right of abutment one is in poor condition. Asphalt wearing surface. Curb right has light scaling, curb left has significant disintegration with exposed rebar. A hole is forming behind abutment one left side in the asphalt - possible fill loss under the wing wall. Structure has deck drains.		

HYDROLOGY

Water Velocity:	1 m/s	Ice Problem:	N - No Problem
Water Depth:	0.5-1.0 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Unable to check for scour due to water levels. Scour repairs completed in 2011		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Repair curb on left side. Prevent further fill loss under wing walls with retaining structure or tremie concrete.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
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