

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01202020-53	
Date: 11/18/2019	Inspected By: WW / DT	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	3-015 - CHANGE ISLAND CAUSEWAY BRIDGE		
Route:		Overall Length:	36.23 m
Year Built:	1987	Est: No	Overall Width: 6.25 m
Year Last Rehab.:		Est: No	Roadway Width: 3.5 m
Region:	CENTRAL WEST	Sidewalk Width:	1 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 m
Type of Structure:	09 - Bailey Bridge	Max Depth of N.W.L.:	0 m
Purpose of Structure:	03 - Over Navigable Waters	Spans:	
Type of Handrail:	03 - Timber Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber	1	36.23
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	Bearing seats covered with sand, needs cleaning. Concrete cracked throughout wing wall and abutments 1 and 2. Alkali reaction throughout abutment 1 and 2 wing wall. Rebar exposed LHS abutment #2.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Minor damage on end block abutment 1 and 2. Deck steel panels minor to moderate rusting. Abutment #2 moderate to severe rusting on deck panels. Minor rusting on pins and bolts.		
DECK			
Condition:	F2 - Fair	Curbs:	F1 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	P3 - Poor		
Comments:	Guiderail not properly connected LHS abutment #1. Curb damaged on abutment #2 side left and right. Curb cut short on abutment #1. Asphalt approach on abutment #1 has potholes and rutting. Approach abutment #2 has rutting.		

HYDROLOGY

Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	0 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Navigable waterway; tidal waterway.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Guiderail needs upgrade to strengthen rail. Rehabilitation on wing wall and abutment. Add yield sign for oncoming traffic. Monitor steel panels near abutments. Clean bearing seats of sand.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Navigation light smashed. Electrical conduit attached to walkway on RHS. Severe rusting on panels above abutment. Bearing seats covered in sand.		

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