

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B10202017-1	
Date: 10/13/2017	Inspected By: AB	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-055 - LITTLE CATALINA BRIDGE #1		
Route:	230-26	Overall Length:	14.3 m
Year Built:	1984	Est: No	Overall Width: 11.7 m
Year Last Rehab.:		Est: No	Roadway Width: 8.5 m
Region:	CENTRAL EAST	Sidewalk Width:	1.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1 m
Type of Structure:	02 - Double Tee	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete	1	9.5
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	U - Uninspectable
Comments:	Concrete abutments and wing walls. Exposed concrete footing. Abutment 1 disintegration and exposed rebar on right corner. Severe scaling and erosion over entire footing. Abutment 2 disintegration and exposed rebar right corner. Both abutments and wing walls have medium cracking with efflorescence and light scaling. There is a wooden retaining wall upstream of the bridge which has lost all fill.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Joints leaking. Double T girders showing typical issues of rust and degradation.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	P - Poor		
Comments:	Exposed concrete deck. Deck has abrasion and cracking at abutment 2. Aluminum bridge rail with concrete end blocks. End blocks have cracking and scaling. Approach rail at abutment 2 left side only. No Michigan shoe. Rail lapped wrong at this location. Sidewalk has light cracking, scaling and delamination. Approach slab removed at abutment 2 after Hurricane Igor. Deck drains need cleaning. Potholing at approach slab and bridge deck abutment #1. Approach 1 left missing hazard marker.		

HYDROLOGY

Water Velocity:	1 m/s	Ice Problem:	N - No Problem
Water Depth:	0.5 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Tidal Zone		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2017	Replacement Year:	2017
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace Hazard marker. Seal Joints. Repair sidewalk. Repair potholes at approach. Re-install guiderail correctly. Investigate upstream wooden retaining wall.		

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