

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B10202017-3	
Date: 10/13/2017	Inspected By: AB	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-206 - HODDERVILLE BRIDGE (BLACKHEAD BAY) (OLD)		
Route:	235	Overall Length:	16 m
Year Built:	1940	Est: Yes	Overall Width: 5.5 m
Year Last Rehab.:		Est: No	Roadway Width: 5 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	1 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete	1	9
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:	C - Unsafe (Closed to Public)	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Concrete abutments and wing walls. Wing walls right side have disintegration, scaling and cracking with efflorescence. Some areas of disintegration on abutments, remainder has erosion, cracking and efflorescence. Severe vertical cracks at all four wing walls where they meet the abutments - wing walls unstable.		
SUPERSTRUCTURE			
Condition:	C - Unsafe (Closed to Public)	Expansion Joints:	I - Inapplicable
Comments:	Three concrete beams. Light cracking, no visible deflection. Beam three has an area of disintegration/delamination with exposed rebar.		
DECK			
Condition:	C - Unsafe (Closed to Public)	Curbs:	C - Unsafe (Closed to Public)

Hand Rail:	C - Unsafe (Closed to Public)	Roadway Condition:	C - Unsafe (Closed to Public)
Approach Rail:	I - Inapplicable		
Comments:	Exposed concrete deck. Severe scaling. Concrete bridge rail left side in poor condition, no bridge rail right side - jersey barriers placed on bridge deck for barrier right side. Abutment #2 left jersey barrier has fallen into the brook.		
HYDROLOGY			
Water Velocity:	1.0 m/s	Ice Problem:	N - No Problem
Water Depth:	0.5 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Minor scour at abutment two due to rock erosion.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2017	Replacement Year:	2017
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Remove or completely re-habilitate structure. Replace abutment #2 left jersey barrier.		
OBSERVATIONS			
Overall Condition:	C - Unsafe (Closed to Public)	Requires Further Inspection:	No
Additional Observations:	This structure is located on the old highway and was used for a detour during hurricane Igor.		
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
Category Definitions:			
		Maint. - Maintenance.	
		Eng. - Engineering.	
		Office - Bridge Office.	
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● 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			