

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09172021-4	
Date: 3/7/2019	Inspected By: Pickett R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-241 - HODGEWATER OVERPASS (CBN BY-PASS)		
Route:	75	Overall Length:	39.8 m
Year Built:	1995	Est: No	Overall Width: 14.5 m
Year Last Rehab.:		Est: No	Roadway Width: 12.5 m
Region:	AVALON PENINSULA	Sidewalk Width:	1 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.1 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	15.5
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	G - Good	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Assumed cond. of buried reinf. conc. frame leg and wingwall footings		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- All frame megs at corners have wide vert./angular cracks with heavy efflor. deposits, some extend into soffit - Exterior soffit has wide longit. cracks and delamin. - Extensive med. alligator cracks with med. efflor. deposits on all wingwalls - NE wingwall tipped out approx 40 mm beyond frame leg - Outside curb and fascias has wide cracks delamin. and disintegration into rail anchors on south side. Remainder of outside curb fascias and soffit has wide cracks with heavy efflor. deposits		
DECK			

Condition:	F2 - Fair	Curbs:	P1 - Poor
Hand Rail:	F2 - Fair	Roadway Condition:	P1 - Poor
Approach Rail:	F2 - Fair		
Comments:	- Vertical cracks med./narrow in top of curbs, extensive medium alligator cracks in all 4 wingwalls with med. efflor. deposits and wide cracks		

HYDROLOGY

Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2021	Replacement Year:	2045
Antic. Rehab. Cost:	\$100	Replacement Cost:	\$800
Recommendations:	- Curb and soffit should be repaired as delam. with wide cracks are over traffic areas		

OBSERVATIONS

Overall Condition:	F1 - Fair	Requires Further Inspection:	Yes
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