

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09102021-2	
Date: 4/17/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-132 - HOPEALL BRIDGE		
Route:	80	Overall Length:	25.2 m
Year Built:	1991	Est: No	Overall Width: 8.6 m
Year Last Rehab.:		Est: No	Roadway Width: 6.6 m
Region:	AVALON PENINSULA	Sidewalk Width:	1.55 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.4 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0.7 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	01 - Aluminum Rail	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	8.9
Alignment Horizontal:	01 - Good	2	8.9
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Assumed condition of buried/submerged reinf. conc. frame legs/pier footings and levelling/mud slabs.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Medium vertical cracks in faces of frame legs and pier. - Medium alligator cracking in tops of 4 wingwalls - Medium erosion along bottoms of frame legs and pier		
DECK			
Condition:	F2 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair

Approach Rail:	F1 - Fair
Comments:	- Narrow trans./long. cracks in deck soffit. - No hazard markers at NW, SW, and SE ends. - Medium horiz./vert. cracks with light efflor. deposits in deck/curb fascia. - Wide trans. cracks in asphalt along app. slab edges. - Numerous medium potholes in asphalt on deck and approaches - Medium/wide trans./vert. cracks in curb surfaces and interior fascia. - Wide trans. crack in SE curb (wheelchair ramp). - Numerous wide alligator cracks in 4 end blocks. Top still sheared off NW end block. - Medium scrapes, dents, with end caps missing in aluminum rails - Medium damage to approach/exit rail with scrapes/dents and decaying posts

HYDROLOGY

Water Velocity:	1.2 m/s	Ice Problem:	N - No Problem
Water Depth:	0.6 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2021	Replacement Year:	2041
Antic. Rehab. Cost:	\$70	Replacement Cost:	\$1000
Recommendations:	- Repair all concrete defects. - Resurface deck and approaches. - Repair guiderail and alum. rails. - In the interim, install 4 new hazard markers (maint).		

OBSERVATIONS

Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	unchanged from 2018 inspection		

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