

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09092021-7	
Date: 2/26/2020	Inspected By: Chris Lyver	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-134 - LITTLE BARACHOIS RIVER BRIDGE		
Route:	92	Overall Length:	28.2 m
Year Built:	1978	Est: Yes	Overall Width: 9.5 m
Year Last Rehab.:		Est: No	Roadway Width: 8.7 m
Region:	AVALON PENINSULA	Sidewalk Width:	0.4 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.2 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0.5 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	01 - Concrete	Span No.:	Length
Alignment Vertical:	01 - Good	1	14.4
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	- Assumed condition of buried/submerged reinf. conc. abut. footings. - Medium/wide horiz./vert. cracks with medium efflor. deposits and light/med delamin./spalling in abutment faces. - Medium horiz./vert cracks with medium delamin./spalling along tops of wings under curbs. - Medium horiz./vert. cracks with medium delamin./spalling to ext. ballast wall faces. - Narrow map cracking with light efflor. deposits in 4 wigwalls (A.A.R.). - Assumed cond. of bearing seats (height restriction)		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	- Light delamin./spalling with medium rusting to exposed reinf. on majority of girders (insuff, cover). - Light horiz./angular cracks in ends of most girders. - Light abrasion and medium longit. cracks in exp. joint dams. - Possible leakage in exp joints (staining on abut faces)		

DECK			
Condition:	F1 - Fair	Curbs:	F2 - Fair
Hand Rail:	G - Good	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	- Medium trans. cracks with light efflor. deposits in deck soffit. (esp. cantilevered sections outside ext. girders) - Medium vert./horiz. cracks with light efflor. deposits in deck fascias. - Numerous areas of light/medium spalls; abrasion on exposed deck surface - Numerous potholes (some patched) along approached on rte. 92 - Assumed cond. of approach rail (currently buried) - Moderate settlement at exp. joint dams		
HYDROLOGY			
Water Velocity:	0.3 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:	- Assume rip-rap at NE, NW, SW corners of structure still migrating into channel (currently buried)		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2025	Replacement Year:	2035
Antic. Rehab. Cost:	\$75	Replacement Cost:	\$2500
Recommendations:	- Repair all conc. defects - Assume repair SW exit guiderail (currently buried) - Clean out expansion joint seals (maint.) - Install new rip-rap at NE, NW, SW corners		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- unchanged from 2011/2013 inspections - someexp. joint replacement formwork/styrofoam remains in place		
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:			
Mant. - 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			