

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09142021-9	
Date: 2/25/2020	Inspected By: Chris Lyver	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-259 - COOTE'S POND BRIDGE NO.2		
Route:		Overall Length:	17.3 m
Year Built:	1968	Est: No	Overall Width: 11.6 m
Year Last Rehab.:		Est: No	Roadway Width: 8.7 m
Region:	AVALON PENINSULA	Sidewalk Width:	1.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.5 m
Type of Structure:	02 - Double Tee	Max Depth of N.W.L.:	0.4 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:	02 - Asphalt	1	8.7
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:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	- Assumed cond. of buried reinf. conc. abut. footings - Narrow vertical cracks in abut. faces - Light/med. delamination/spalling - Medium/severe delamin./spalling to ext. faces of ballast walls under exp. gaps in curbs/sidewalks - Light delamin./honeycombing and narrow vert. cracks in 4 wingwalls		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	- Light delamin./spalling with med. corrosion to exposed reinf. on majority of double tees (insuff. cover) - Med. delamin./spalling with med. corrosion to exp. reinf. along tops of tees under deck drains - No visible signs of exp. joints (possible asphalt impregnated board) - Joints paved over on deck - No chalking in gaps in curbs/sidewalks		
DECK			

Condition:	F2 - Fair	Curbs:	P3 - Poor
Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor
Approach Rail:	G - Good		
Comments:	- Severe spalling, delamin. and disintegration to areas on curbs/sidewalks and wheelchair ramps - New guiderail/surface asphalt since last inspection - Cold joints in curb/deck fascias opening up - Light spalling/narrow horiz./vert. cracks on conc. handrails		

HYDROLOGY

Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem
Water Depth:	0.2 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2020	Replacement Year:	2030
Antic. Rehab. Cost:	\$75	Replacement Cost:	\$600
Recommendations:	- repair all conc. defects - install regulation haz. markers (maint.)		

OBSERVATIONS

Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	unchanged from prev. insp. 2008 and 2009		

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