

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09142021-10	
Date: 2/25/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-063 - COOTE'S POND BRIDGE NO.1		
Route:		Overall Length:	17.5 m
Year Built:	1968	Est: No	Overall Width: 10.9 m
Year Last Rehab.:		Est: No	Roadway Width: 7.9 m
Region:	AVALON PENINSULA	Sidewalk Width:	1.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.6 m
Type of Structure:	02 - Double Tee	Max Depth of N.W.L.:	0.3 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt	1	8.7 4 0
Alignment Vertical:	01 - Good	2	0 5 0
Alignment Horizontal:	01 - Good	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	P3 - Poor
		Bearing Seat:	P3 - Poor
Comments:	- Assumed condition of buried and submerged reinforced concrete abutment footings. - Severe delamin./ spalling continues to outside faces and ends of four wingwalls. (A.A.R). - Medium/severe delamin./ spalling with medium efflor. deposits to corners of abutments.		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable
Comments:	- Medium/severe delamin./ spalling with medium/severe corrosion to exposed reinf. on majority of all tees. - Wide long cracks and severe spalling to interior tee with stressing cable exposed. - Medium/ severe delamin./ spalling to tees directly below deck drain on NE corner of structure. - No visible signs of expansion joints. No chalking in curb sidewalk gaps.		
DECK			

Condition:	P3 - Poor	Curbs:	P3 - Poor
Hand Rail:	P1 - Poor	Roadway Condition:	P3 - Poor
Approach Rail:	G - Good		
Comments:	- Deck has been resurfaced and new approach and exit rail installed. No regulation hazard markers up - Very severe delamin./ spalling with medium corrosion to exposed reinf. to deck/ curb fascias. Narrow med. cracks and light spalling to end blocks - Wide horizontal cracks in interior curb/sidewalk fascias. Sections of concrete handrails missing exposing lightly corroded rebar		

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:	- Some erosion of shoulders and slopes at 4 corners of structure		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2021	Replacement Year:	2025
Antic. Rehab. Cost:	\$180	Replacement Cost:	\$650
Recommendations:	- Repair all conc. defects on tees, abutments, fascias, wingwalls - Repair or replace conc. handrails		

OBSERVATIONS

Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Bridge Office should reinspect cables and deterioration to double tees Unchanged from previous inspections		

LEGEND:

Condition Definitions:

- 1 - *Good - [discontinued code].
- 2 - *Fair - [discontinued code].
- 3 - *Poor - [discontinued code].
- 4 - *Unsafe - [discontinued code].
- G - Good.

- F2 - Fair.
- F1 - Fair.
- P3 - Poor.
- P1 - Poor.
- P - Poor.

- C - Unsafe (Closed to Public).
- U - Uninspectable.
- I - Inapplicable.

Problem Definitions:

- N - No Problem.
- P - Possible Problem.
- K - Known Problem.
- NA - Not Applicable.

Category Definitions:

- Maint. - Maintenance.
- Eng. - Engineering.
- Office - Bridge Office.

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