

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06112019-3																	
Date: 1/17/2019	Inspected By: Pickett R	Category: Eng. - Engineering																	
BRIDGE INFORMATION																			
Site:	1-260 - SHOE COVE BROOK BRIDGE																		
Route:	20	Overall Length:	8.6 m																
Year Built:	1943	Est: No	Overall Width: 11.1 m																
Year Last Rehab.:	1980	Est: No	Roadway Width: 10.3 m																
Region:	AVALON PENINSULA		Sidewalk Width: 0.4 m																
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.: 1.3 m																
Type of Structure:	04 - Rigid Frame		Max Depth of N.W.L.: 0.3 m																
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:																
Type of Handrail:	01 - Aluminum Rail		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Span No.:</u></th> <th style="text-align: left;"><u>Length</u></th> <th style="text-align: left;"><u>Span No.:</u></th> <th style="text-align: left;"><u>Length</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.4</td> <td>4</td> <td>0</td> </tr> <tr> <td>2</td> <td>0</td> <td>5</td> <td>0</td> </tr> <tr> <td>3</td> <td>0</td> <td>6</td> <td>0</td> </tr> </tbody> </table>	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>	1	5.4	4	0	2	0	5	0	3	0	6	0
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1	5.4	4	0																
2	0	5	0																
3	0	6	0																
Roadway Surface:	02 - Asphalt																		
Alignment Vertical:	01 - Good																		
Alignment Horizontal:	02 - Adequate																		
Restrictions:	No																		
BRIDGE PHOTOS																			
																			
SUBSTRUCTURE																			
Condition:	P3 - Poor	Bearings:	I - Inapplicable																
		Bearing Seat:	I - Inapplicable																
Comments:	Original structure extended approximately 6m upstream. Medium erosion to frame legs.																		
SUPERSTRUCTURE																			
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable																
Comments:	Medium vertical cracking with moderate efflorance in faces of frame legs. Medium erosion/spalding to frame legs at vertical construction joints with extension. Severe delamination to North West/South West frame leg corners. Severe delamination/spalding on all wingwalls. Medium efflor deposits on deck soffit.																		
DECK																			
Condition:	P - Poor	Curbs:	P - Poor																

Hand Rail:	P3 - Poor	Roadway Condition:	P - Poor
Approach Rail:	I - Inapplicable		
Comments:	Severe deuteriation to deck bottom at construction joint of extension with severe corrosion to expose rebar. Curbs have desinagration to 30% remainder medium to severe spalding. Aluminum handrail are in poor shape due to impact, including post.		

HYDROLOGY

Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.4 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Minor slope erosion on all four corners.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2019	Replacement Year:	2035
Antic. Rehab. Cost:	\$100	Replacement Cost:	\$300
Recommendations:	Repair all concrete defects. Replace damage rail and install end blocks with hazard markers.		

OBSERVATIONS

Overall Condition:	P3 - Poor	Requires Further Inspection:	No
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