

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B05222019-1</b>	
<b>Date:</b> 3/19/2019	<b>Inspected By:</b> Pickett R	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-115 - CNR VIADUCT - PITTS MEMORIAL DRIVE		
<b>Route:</b>		<b>Overall Length:</b>	1000 m
<b>Year Built:</b>	1979	<b>Est: Yes</b>	<b>Overall Width:</b> 0 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 0 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	0 m
<b>Type of Structure:</b>	01 - AASH to Girder	<b>Max Depth of N.W.L.:</b>	0 m
<b>Purpose of Structure:</b>	01 - Highway Grade Separation	<b>Spans:</b>	
<b>Type of Handrail:</b>	05 - Concrete Barrier	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Vertical:</b>	02 - Adequate	1	0
<b>Alignment Horizontal:</b>	02 - Adequate	2	0
<b>Restrictions:</b>	No	3	0
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Bearings:</b>	U - Uninspectable
		<b>Bearing Seat:</b>	P3 - Poor
<b>Comments:</b>	Pier numbers 1E,1W,2E,2W,3,4,5,6,7,8, & 9 have spalling, delamination and wide cracks with exposed rebar and sever corrosion to the rebar. Remainder of piers have been rehabbed around 10 years ago and are in fair condition		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Expansion Joints:</b>	P3 - Poor
<b>Comments:</b>	Majority of girders have delamination and spalling on the bottoms with the rebar exposed. The ends of girders have wide cracks, delamination, spalling, and exposed rebar. A lot of diaphragms have wide cracks, delamination, spalling and some exposed rebar. Some expansion joints are leaking and have impact damage from snow plowing. Expansion joint dams have worn down with concrete missing and repairs with cold mix or paved over.		
<b>DECK</b>			
<b>Condition:</b>	P3 - Poor	<b>Curbs:</b>	P3 - Poor
<b>Hand Rail:</b>	P1 - Poor	<b>Roadway Condition:</b>	P3 - Poor
<b>Approach Rail:</b>	P - Poor		
<b>Comments:</b>	Some areas of bottom surface have delamination and spalling with exposed rebar. East bound approach rail repaired using jersey barriers due to vehicle impact also section of top handrail missing due to vehicle impact. The asphalt surface has worn down to the deck surface in many areas.		

<b>HYDROLOGY</b>			
Water Velocity:	0 m/s	Ice Problem:	NA - Not Applicable
Water Depth:	0 m	Scour Problem:	NA - Not Applicable
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable
Comments:			
<b>REPLACEMENT/REHABILITATION</b>			
Next Rehab. Date:	2019	Replacement Year:	2022
Antic. Rehab. Cost:	\$1000000	Replacement Cost:	\$150000000
Recommendations:			
<b>OBSERVATIONS</b>			
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes
Additional Observations: Concrete barricades placed recently around scaled piers 4,5,6,7,8,9, and 15.			
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
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.		
<b>Category Definitions:</b>			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being F3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.