

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B09212021-1</b>	
<b>Date:</b> 5/12/2020	<b>Inspected By:</b> Hunt R	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-156 - FOREST POND BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	25.2 m
<b>Year Built:</b>	1960	<b>Est: No</b>	<b>Overall Width:</b> 10.1 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 7 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>	2.5 m
<b>Type of Structure:</b>	01 - AASH to Girder	<b>Max Depth of N.W.L.:</b>	1 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	15
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	02 - Adequate	3	0
<b>Restrictions:</b>	No	6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	- Narrow vertical cracks and light erosion along faces of abutment footings - Narrow vertical cracks in abutment faces - Narrow horizontal/vertical/alligator cracks with light/med efflor. deposits in 4 wingwalls		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	F1 - Fair
<b>Comments:</b>	- Medium transverse cracks and medium spalling/disintegration to expansion joint dams - Narrow longit. cracks along top and bottom flanges of most girders		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	P1 - Poor

<b>Hand Rail:</b>	P3 - Poor	<b>Roadway Condition:</b>	P1 - Poor
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	- Medium spalling and marrow transverse cracks in exposed deck surfaces - Medium/wide horizontal vertical cracks with moderate/severe spalling/disintegration to D/S curbs and fascias. U/S curb and fascias not quite as bad - Fascias at exp. joint locations have large cracks and spalling concrete -D/S end blocks have large cracks and severe deterioration. Alum. handrail has some moderate damage with scrapes and dents and end caps missing		

**HYDROLOGY**

<b>Water Velocity:</b>	0.3 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.6 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Water continues to run past east footing only No regulation hazard markers on structure		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2021	<b>Replacement Year:</b>	2040
<b>Antic. Rehab. Cost:</b>	\$130	<b>Replacement Cost:</b>	\$1600
<b>Recommendations:</b>	- Repair all concrete defects, especially deck/curb surfaces and fascias - Replace exp. joint dams and joints and put in new end blocks - Repair alum. handrail or replace with steel rail system - In the interm. install regulation hazard markers and clean out exp. joints		

**OBSERVATIONS**

<b>Overall Condition:</b>	P1 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	P1 - D/S deck curbs and fascias and end blocks F1 - remainder of U/S deck curb fascias and endblocks, alum. handrail F2 - remainder		

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
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 F3, P1, P2, or C
- Any evidence of known ice, scour, debris, waterway problems

**INSPECTION PHOTOS**