

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07242018-12</b>	
<b>Date:</b> 5/7/2018	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-330 - EASON'S ROAD BRIDGE		
<b>Route:</b>	60	<b>Overall Length:</b>	43.1 m
<b>Year Built:</b>	1997	<b>Est: No</b>	<b>Overall Width:</b> 6.05 m
<b>Year Last Rehab.:</b>		<b>Est: No</b>	<b>Roadway Width:</b> 4.1 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>	6.8 m
<b>Type of Structure:</b>	08 - Steel Bridge	<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>	06 - None	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	03 - Timber	1	36.5
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	Yes	<u>Span No.:</u>	<u>Length</u>
<b>Describe Restrictions:</b>	One lane traffic.	4	0
		5	0
		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>	- Double/single compact maybe 200 panel bridge. - Narrow vert. cracks with light efflor. deposits in faces of footings, abutments and ballast walls. - Medium rusting to some connecting bolts on steel bearing base plates. Graffiti on north abutment face.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	- Light sag in panels. - Hairline alligator cracks in wingwalls and end blocks. - Medium rusting to steel safety screens attached to panels/ curbs. Rusting continues to stain panels to which screens are attached.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair

<b>Hand Rail:</b>	I - Inapplicable	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	P3 - Poor		
<b>Comments:</b>	- Still no hazard markers. - P.T. raceway splitting and wearing. - Medium rusting to majority of end shoe bolts (some still missing). - Fair amount of gravel and vegetation along interior curb faces. - SE buried end app. guiderail no longer attached to horiz. section. - Some guiderail posts splitting with twisted off set blocks. - Short sections of approaches paved. Start of asphalt at north approach cracked off with moderate drop-off. North paved approach is longer than south paved approach.		

**HYDROLOGY**

<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b>	NA - Not Applicable
<b>Water Depth:</b>	0 m	<b>Scour Problem:</b>	NA - Not Applicable
<b>Waterway:</b>	03 - Not Applicable	<b>Debris Problem:</b>	NA - Not Applicable
<b>Comments:</b>			

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2027	<b>Replacement Year:</b>	2047
<b>Antic. Rehab. Cost:</b>	\$50	<b>Replacement Cost:</b>	\$350
<b>Recommendations:</b>	- Install hazard markers (maint). - Repair/ replace damaged guiderail (maint). - Repair asphalt at north approach. - Replace split areas on raceway. - Paint over graffiti on north abutment (maint)?		

**OBSERVATIONS**

<b>Overall Condition:</b>	P3 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	- P3 (SE app. guiderail). - F2 (remainder). - Unchanged from 2011 inspection except add: - Storage shed/barn at NE corner of structure.		

**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**