

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07232018-17</b>	
<b>Date:</b> 6/21/2018	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-379 - BUTLERS ROAD UNDERPASS		
<b>Route:</b>	60	<b>Overall Length:</b>	55.7 m
<b>Year Built:</b>	2013	<b>Est:</b> No	<b>Overall Width:</b> 6.05 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 0 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	5.1 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	0 m
<b>Type of Structure:</b>	09 - Bailey Bridge	<b>Max Depth of N.W.L.:</b>	0 m
<b>Purpose of Structure:</b>	01 - Highway Grade Separation		
<b>Type of Handrail:</b>	06 - None	<b>Spans:</b>	
<b>Roadway Surface:</b>	03 - Timber	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Vertical:</b>	02 - Adequate	1	42.7
<b>Alignment Horizontal:</b>	01 - Good	2	0
<b>Restrictions:</b>	No	3	0
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	G - Good
		<b>Bearing Seat:</b>	G - Good
<b>Comments:</b>	- Assumed condition of buried reinforced concrete abutment footings. - Narrow vert. cracks with light efflor. deposits in faces of abutments and ballast walls. - Medium rusting to steel bearing levelling plates. - Small areas of concrete missing along top of south ballast walls (caused by trucks hitting walls as structure has dropped slightly).		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	G - Good	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	- Medium sag in superstructure. - Superstructure, guiderail handrails and chain link debris fencing remain in good condition.		
<b>DECK</b>			
<b>Condition:</b>	G - Good	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	G - Good	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	F1 - Fair		
<b>Comments:</b>	- Narrow vert. cracks with light efflor. deposits in 4 long end blocks. Minor tipping of guiderail posts at SE, SW and NE ends of structure. - Moderate shoulder erosion along NW approach to structure causing guiderail/ posts to tip out significantly. - Outside edges of P.T. raceway splintered with pieces missing, medium wear to remaining raceway. - Medium damage to tops of P.T. curbs at north ends. - Wide transverse cracks in asphalt along edge of north app. slab. Edge of slab exposed with medium dip in road at this location.		

<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:	2032	Replacement Year:	2087
Antic. Rehab. Cost:	\$25	Replacement Cost:	\$500
Recommendations:	- Repair shoulder erosion and straighten guiderail along NW approach. - Replace damaged P.T. raceway and P.T. curb.		
<b>OBSERVATIONS</b>			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	- F1 (NW app. shoulder and guiderail and P.T. raceway), F2 (remainder). - Graffiti on abutment faces. - North app. paved. Short section of south app. paved.		
<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, P2, 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.