

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07242018-4	
Date: 5/8/2018	Inspected By: Chris Lyver	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-377 - LOWER GULLIES BROOK OVERPASS		
Route:	2	Overall Length:	61.8 m
Year Built:	2013	Est: No	Overall Width: 14.1 m
Year Last Rehab.:		Est: No	Roadway Width: 13.19 m
Region:	AVALON PENINSULA		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	05 - Concrete Barrier		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt	1	44 4 0
Alignment Vertical:	01 - Good	2	0 5 0
Alignment Horizontal:	01 - Good	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	G - Good
Comments:	- Narrow vert. cracks with light efflor. deposits in ballast walls. - Minor bulging in some bearing pads. Light rusting to SE bearing plate. - Lower sections of MSE walls covered in graffiti. Graffiti also on sections of abutments, wings and barrier walls.		
SUPERSTRUCTURE			
Condition:	G - Good	Expansion Joints:	F2 - Fair
Comments:	- Girders/ diaphragms remain in good shape. - SE WABO inverseal expansion joint leaking at bottom of barrier wall (staining on ballast wall and rusting to bearing plate below).		
DECK			
Condition:	F2 - Fair	Curbs:	I - Inapplicable
Hand Rail:	F2 - Fair	Roadway Condition:	I - Inapplicable
Approach Rail:	F2 - Fair		
Comments:	- Narrow vert. cracks with light efflor. deposits in barrier walls. - Narrow trans. cracks in deck soffit.		
HYDROLOGY			
Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.5 m	Scour Problem:	N - No Problem

Waterway: 01 - Adequate **Debris Problem:** N - No Problem
Comments: - Moderate slope/ shoulder erosion on Rte. 2 approx. 10m east of NE end block. - Severe slope/ shoulder erosion on Rte. 2 approx. 10m west of SW end block.

REPLACEMENT/REHABILITATION

Next Rehab. Date: 2050 **Replacement Year:** 2088
Antic. Rehab. Cost: \$150 **Replacement Cost:** \$3500
Recommendations: - Monitor leaking SE exp. joint and SE bearing. - Monitor shoulder/ slope erosion at SW and NE ends of structure especially SW end (bridge office should re-inspect).

OBSERVATIONS

Overall Condition: F2 - Fair **Requires Further Inspection:** Yes
Additional Observations: - Unchanged from 2014 inspection except add, considerable damage to P.T. fence running along walking trail in front of east MSE wall.

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