

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07242018-5	
Date: 6/22/2018	Inspected By: Chris Lyver	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-142 - FOWLER'S ROAD UNDERPASS ON ROUTE 2		
Route:		Overall Length:	62.7 m
Year Built:	1984	Est: No	Overall Width: 11 m
Year Last Rehab.:		Est: No	Roadway Width: 8.2 m
Region:	AVALON PENINSULA	Sidewalk Width:	1.9 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.4 m
Type of Structure:	05 - Pre-stressed Concrete Slab	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	18.7
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	- Assumed condition of buried reinforced concrete abutments and pier footings. - Assumed condition of bearings and bearing seats (uninspectable due to height). - Numerous areas of narrow/ medium alligator cracking in abutments, wingwalls, pier columns, pier and partially exposed pier footings (A.A.R.) - Light scaling on all pier columns. - Some repair work done to corners of east abutment since last inspection (repair areas have alligator cracking as well).		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	G - Good
Comments:	- New expansion joints since last inspection. - Narrow long. cracks in exp joint dams. - Narrow alligator cracking in exterior curbs/ sidewalk fascia at exp. joint locations.		
DECK			

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	G - Good		
Comments:	- Numerous alligator, vert and horiz. cracks in 4 end blocks. - Numerous narrow/ medium alligator cracks in deck soffit and fascia (A.A.R). - Interior fascia of curb and sidewalk re-surfaced since last inspection. - Top of SE rock embedded gutter removed since last inspection. - Numerous medium vert./trans./long. cracks in curb/sidewalk tops and exterior fascia. - Light scrapes, dents and end caps missing on aluminum handrails. - New concrete wheelchair ramps on both ends of sidewalk since last inspection. - New rock embedded gutter and small curb gutter at NE end of structure since last inspection. - Deck and approaches resurfaced since last inspection. - New approach and exit guiderail c/w hazard markers since last inspection.		

HYDROLOGY

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:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2025	Replacement Year:	2035
Antic. Rehab. Cost:	\$50	Replacement Cost:	\$1000
Recommendations:	- Clean out expansion joint seals (maint). - Monitor cracking in substructure and superstructure.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	- F1 (substructure and deck soffit), F2 (remainder). - Unchanged from 2011 inspection, add, new town of CBS sign at SE end of structure on Rte. 2.		

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
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 P3, P1, P, or C
- Any evidence of known ice, scour, debris, waterway problems

INSPECTION PHOTOS