

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06192019-6	
Date: 6/19/2019	Inspected By: lyver C	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-352 - BANNERMAN LAKE ROAD (CBN BYPASS)		
Route:	75	Overall Length:	17.2 m
Year Built:	2003	Est: No	Overall Width: 14.2 m
Year Last Rehab.:		Est: No	Roadway Width: 9.1 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation	Spans:	
Type of Handrail:	05 - Concrete Barrier	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	10
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Assumed condition of buried reinforcement. Concrete frame leg footings.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Medium bulging shifting in welded wire mesh walls. Rock falling from some baskets in close to frame leg corners. Medium erosion continuous along top of North East reinforcement wall (Safety Rail cons to tip out). Medium wide angular vertical cracks with light efflor deposits in faces of frame legs falling hazard exists with tipping safety rails atop North East retaining wall.		
DECK			
Condition:	F1 - Fair	Curbs:	I - Inapplicable

Hand Rail:	F2 - Fair	Roadway Condition:	I - Inapplicable
Approach Rail:	G - Good		
Comments:	Numerous medium wide longitudinal transverse cracks in exposed deck surface. No hazard marker in North West end. Narrow vertical angular cracks in deck facias. Numerous medium angular longitudinal cracks with light efflor deposits in deck soffit. Medium vertical cracks in barrier walls and end blacks. Still no overhead clearance signs on Bannerman lake road.		

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:	Approach slabs and approaches resurfaced since last inspection.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2036	Replacement Year:	2078
Antic. Rehab. Cost:	\$150	Replacement Cost:	\$1000
Recommendations:	Correct erosion problem atop North East retaining wall and straighten up steel safety rails. Monitor welded wire mesh retaining walls especially where rock is escaping from baskets. Apply new maintenance coating in the interim install overhead clearance signs. Missing hazard marker.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Unchanged from.2015 inspection.		

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