

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06072019-1	
Date: 6/7/2019	Inspected By: lyver C	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-354 - THORB RD. BIFURCAT. RD. UNDERPASS		
Route:	50	Overall Length:	45.2 m
Year Built:	2002	Est: No	Overall Width: 12.25 m
Year Last Rehab.:		Est: No	Roadway Width: 9.25 m
Region:	AVALON PENINSULA	Sidewalk Width:	2 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 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	1	19.25
Alignment Vertical:	01 - Good	2	19.25
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	F1 - Fair
		Bearing Seat:	G - Good
Comments:	Assumed conditions of buried reinforcement on concrete footings. Narrow vertical cracks with light efflor deposits in faces of blast walls medium rusting, paint scaling at all bearings. Medium, severe rusting to bottom of bearings (2 exterior bearings) at North East, South West ends of structure light rusting at bends along steel safety rails. MSE walls/coping, pier columns remain in fair condition.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:			
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F1 - Fair		
Comments:	Narrow transverse cracks in asphalt along expansion joint dams and approach slab edges. No hazard markers. Narrow vertical cracks in deck fascias. Narrow vertical transverse cracks in curb fascias and tops large section of asphalt worn off deck at South West end. Medium scraps and dents tipping to approach and exit guide rail.		

HYDROLOGY

Water Velocity:	0 m/s	Ice Problem:	NA - Not Applicable
Water Depth:	0 m	Scour Problem:	NA - Not Applicable
Waterway:	01 - Adequate	Debris Problem:	NA - Not Applicable
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2041	Replacement Year:	2077
Antic. Rehab. Cost:	\$150	Replacement Cost:	\$1000
Recommendations:	Repair leaking expansion joints, and blast and repair bearings. Re-surface deck(city). Install hazard markers(city of St. Johns).		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Unchanged from 2011 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