

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05292019-1	
Date: 5/29/2019	Inspected By: lyver C	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-338 - LEGION ROAD UNDERPASS CBS BYPASS		
Route:		Overall Length:	46.2 m
Year Built:	2001	Est: No	Overall Width: 10 m
Year Last Rehab.:		Est: No	Roadway Width: 4.3 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	6.3 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:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	01 - Concrete	1	21.7
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	G - Good	Bearings:	G - Good
		Bearing Seat:	G - Good
Comments:	Assumed condition of buried reinforcement concrete structure and cantilevered deck retaining wall footings. Cantilevered deck footings remain partially exposed and in good condition. Narrow vertical cracks in some MSE wall panels (majority of panels are under slope paving). Medium transverse cracks in some areas of slope paving's. Hairline transverse/Alligator cracks in some reinforcement concrete structure.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	Medium abrasion to extension joint dams. Medium corrosion to expansion joint striker plates.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Light spalling in exposed deck surface center. Hazard marker cracked off at South East end. Medium damage (scape dents) to guiderail on route 60 legion road. Narrow map cracking in asphalt at approach slab edges. Asphalt ramped up at approach slab edges. Medium Asphalt settlement at approach slab edges. Narrow transverse vertical cracks with light efflor deposits in curb facials. Narrow long/transverse cracks in exposed deck surface. Wide cracks in the beginning and end of North East rock embedded gutter.		

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:	2033	Replacement Year:	2076
Antic. Rehab. Cost:	\$200	Replacement Cost:	\$2500
Recommendations:	Clean out extension joint seals (maintain). Replace South East hazard marker (maintain). Repair damaged guiderail(Maintain). Repair North East damaged rock embedded gutter.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Unchanged from 2015 inspection. Double overhead sign attached to east deck fascials.		

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