

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06282019-3	
Date: 6/28/2019	Inspected By: Iyver C	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-328 - SHEARSTOWN OVERPASS CBN BYPASS		
Route:	75	Overall Length:	56.5 m
Year Built:	2000	Est: No	Overall Width: 11.2 m
Year Last Rehab.:		Est: No	Roadway Width: 10.4 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.1 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation	Spans:	
Type of Handrail:	05 - Concrete Barrier	Span No.:	Length
Roadway Surface:	01 - Concrete	1	21.5
Alignment Vertical:	01 - Good	2	21.5
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	G - Good
		Bearing Seat:	F2 - Fair
Comments:	Pigeon content on bearing seats on abutment and pier gap. Minor damage to some MSE wall panels at South East end of south MSE wall front medium alligator cracks in pier cap, columns, exposed footing abutments and wings. Vegetation content to grow through some panels on south MSE wall.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	Narrow angular cracks in web and bottom flanges of exterior girders near bearing seats. Girders (interior) creep blocks and diaphragm remain in fair condition.		
DECK			
Condition:	F2 - Fair	Curbs:	I - Inapplicable

Hand Rail:	F2 - Fair	Roadway Condition:	I - Inapplicable
Approach Rail:	F2 - Fair		
Comments:	Narrow transverse alligator map cracking in deck soffit (A.A.R). No hazard marker at South East end. Medium transverse longitudinal cracks, light pop outs in exposed deck. Approaches on route 75 resurfaced since last inspection. Numerous medium vertical cracks with light efflor deposits in deck curb ext facias. Numerous medium vertical alligator cracks in barrier walls (A.A.R). Numerous medium alligator cracks in barrier wall end block (A.A.R).		

HYDROLOGY

Water Velocity:	0.3 m/s	Ice Problem:	NA - Not Applicable
Water Depth:	0.5 m	Scour Problem:	NA - Not Applicable
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable
Comments:	Numerous severe potholes in asphalt on sheartown road under structure.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2033	Replacement Year:	2075
Antic. Rehab. Cost:	\$250	Replacement Cost:	\$2500
Recommendations:	Monitor (A.A.R) cracking. Clean out expansion joint seals. Install missing hazard marker. Install pigeon screens on bearing seats and girder bottoms. Resurface sheartown road.		

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