
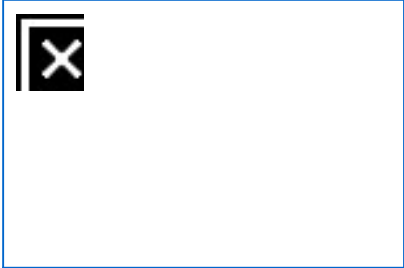
	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09232021-5	
Date: 1/28/2020	Inspected By: Gillis M	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-168 - DEANS ROAD BRIDGE, WITLESS BAY		
Route:		Overall Length:	30.2 m
Year Built:	1987	Est: No	Overall Width: 10 m
Year Last Rehab.:		Est: No	Roadway Width: 8 m
Region:	AVALON PENINSULA	Sidewalk Width:	1 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0 m
Purpose of Structure:	03 - Over Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	14.2
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	G - Good
Comments:	- Assumed condition of buried concrete north abutment footing. - Narrow vert. cracks with light efflor. deposits in faces of abutments and ballast walls. - Narrow vert. cracks with light efflor. deposits in faces of 4 wingwalls. - Narrow cracks and minor bulging to some bearing pads. - Top of south abutment footing partially exposed.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair
Comments:	- Narrow horiz. cracks in bottom flanges and webs of exterior girders. - Narrow horiz. cracks in the ends of some interior girders. - Numerous wide trans. cracks and medium spalling to both exp. joint decks. - Medium leakage in exp. joint seals in curbs.		
DECK			

Condition:	F2 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	F1 - Fair		
Comments:	- Numerous narrow trans./ long./ vert. cracks in deck/ curb exterior/ interior fascia and curb surfaces. - No hazard markers. - Medium horiz./ vert. cracks in exterior curb fascia at exp. joint locations. - Several severe potholes in asphalt near exp. joint dams - Numerous cracking in 4 end blocks (NE has heavy wide cracking) - Narrow long./ trans. cracks in deck soffit and cantilevered deck soffit. - Severe slope erosion continues along SE, NE and NW wingwalls, eroding toward gutters - Light scour under NW rock embedded gutter - Light scrapes to aluminum handrails. Existing guiderail continues to age.		

HYDROLOGY

Water Velocity:	tidal m/s	Ice Problem:	N - No Problem
Water Depth:	tidal m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2028	Replacement Year:	2037
Antic. Rehab. Cost:	\$75	Replacement Cost:	\$900
Recommendations:	- Clean out expansion joint seals (maint). - Chalk expansion gaps in curb fascia (maint). - Install new app./ exit guiderail. - Install hazard markers (maint). - Correct slope erosion problem. - Install new rip-rap at corners of structure and along abutment and footing legs.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Unchanged from 2018 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