

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Works	BRIDGE INSPECTION REPORT B06142018-9 Printed: Tuesday, October 2, 2018	
Date: 1/26/2018	Inspected By: Chris Lyver	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-068 - LOWER POND 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	Span No.:	Length
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	14.2
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair (Inspection within 2 Years)	Bearings:	F2 - Fair (Inspection within 2 Years)
		Bearing Seat:	G - Good (Inspection within 2 Years)
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 (Inspection within 2 Years)	Expansion Joints:	F1 - Fair (Inspection within 1 Year)
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 dams. - Medium leakage in exp. joint seals in curbs. - No chalking in exp. joint gaps in exterior curb fascia.		
DECK			

Condition:	F2 - Fair (Inspection within 2 Years)	Curbs:	F1 - Fair (Inspection within 1 Year)
Hand Rail:	F2 - Fair (Inspection within 2 Years)	Roadway Condition:	F1 - Fair (Inspection within 1 Year)
Approach Rail:	F1 - Fair (Inspection within 1 Year)		
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 (some patched). - Numerous narrow map/ alligator cracking in 4 end blocks (A.A.R)? - Narrow long./ trans. cracks in deck soffit and cantilevered deck soffit. - Narrow trans. cracks in asphalt at exp. joint dams. - Light scrapes to aluminum handrails. Existing guiderail continues to age (decaying posts, tipped rail, post missing at NW approach).		

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:	- Severe slope erosion continues along SE, NE and NW wingwalls. Erosion migrating towards NE gutter. - Light scour under NW rock embedded gutter.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2028	Replacement Year:	2037
Antic. Rehab. Cost:	\$75.00	Replacement Cost:	\$900.00
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 (Inspection within 2 Years)	Requires Further Inspection:	No
Additional Observations:	- Unchanged from 2013 inspection.		

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair (Inspection within 2 Years).	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair (Inspection within 1 Year).	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor (Repair within 3 Years).	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor (Repair within 1 Year).		NA - Not Applicable.	
G - Good (Inspection within 2 Years).	P - Poor (Immediate Repair).			

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