



GOVERNMENT OF  
NEWFOUNDLAND  
AND LABRADOR  
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT**  
**B09132021-5**

Date: 2/17/2020      Inspected By: Hunt R      Category: Eng. - Engineering

**BRIDGE INFORMATION**

Site:	1-041 - COLINET RIVER BRIDGE				
Route:	91	Overall Length:	61 m		
Year Built:	1978	Est: No	Overall Width:	10.8 m	
Year Last Rehab.:		Est: No	Roadway Width:	9.8 m	
Region:	AVALON PENINSULA				
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3.8 m		
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0.2 m		
Purpose of Structure:	04 - Over Non-Navigable Waters				
Type of Handrail:	01 - Aluminum Rail	<b>Spans:</b>			
Roadway Surface:	01 - Concrete	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	23.3	4	0
Alignment Horizontal:	01 - Good	2	23.3	5	0
Restrictions:	No	3	0	6	0

**BRIDGE PHOTOS**



**SUBSTRUCTURE**

Condition:	F1 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	- Assumed condition of buried/submerged abutment and pier footings. - Medium/wide vert. cracks in abutment faces, pier and wingwalls. - Small area of medium honeycombing with medium rusting to exposed reing, on SW wingwall. - Medium rusting to steel ice plates at ends of pier. - Medium erosion along bottoms of abutments and pier and to partially exposed pier footing. - Light bulging to some bearing pads on abutments. - Unable to see at center pier.		

**SUPERSTRUCTURE**

Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	- Medium long. cracks and abrasion to exp. joint dams. - Medium horiz. cracks in bottom flanges of exterior girders. - Light/medium delamin./spalling with medium rusting to exposed reinf. on majority of girders		

**DECK**

<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	- Light/medium delamin./spalling, honeycombing with light rusting to exposed reinf. in deck soffit. - Hairline alligator cracks in 4 end blocks. - Narrow trans. cracks with light efflor. deposits in deck soffit. - Numerous medium/wide trans. cracks and map cracking in exposed deck surface. - Narrow vert./trans. cracks with light efflor. deposits in curb/deck surfaces and fascia. - Medium road settlement at app. slab/ exp. joint dam locations (water ponding on sides). - Light scrapes, dents and end caps missing on alum. handrails.		

**HYDROLOGY**

<b>Water Velocity:</b>	tidal m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	tidal m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	- Medium shoulder/slope erosion at SE/SW corners of structure.		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2021	<b>Replacement Year:</b>	2035
<b>Antic. Rehab. Cost:</b>	\$50	<b>Replacement Cost:</b>	\$3900
<b>Recommendations:</b>	- Clean out exp. joint seals (maint). - Install 4 regular hazard markers (maint). - Correct slope/shoulder erosion at south ends of structure and fix settlement in asphalt. Possibly install gutters at end of structures.		

**OBSERVATIONS**

<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
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**