



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT
B08122024-3**

Date: 8/9/2024

Inspected By: D. Burns/B. Grandy

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-087 - POINT MAY BRIDGE			Overall Length:	17.5 m
Route:	220			Overall Width:	9 m
Year Built:	1965	Est: No		Roadway Width:	7.4 m
Year Last Rehab.:	1995	Est: No		Sidewalk Width:	0 m
Region:	CENTRAL EAST			Clearance to R.D. or N.W.L.:	3.5 m
Jurisdiction:	Provincial			Max Depth of N.W.L.:	1.5 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab			Spans:	
Purpose of Structure:	04 - Over Non-Navigable Waters				
Type of Handrail:	01 - Aluminum Rail			<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete			1	10
Alignment Vertical:	01 - Good			2	0
Alignment Horizontal:	01 - Good			3	0
Restrictions:	No				

BRIDGE PHOTOS



SUBSTRUCTURE

Condition:	F1 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	P3 - Poor

Comments: Moderate map cracking with minor amounts of efflorescence on abutments and wingwalls. No signs of scouring.

Some deterioration of Abutment 1 corner(left). Noticeable cold joint in both abutments. Bearings too high for inspection, bearing seats look to be slightly deteriorated.			
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	Deck soffit in fair condition. Spalling/ cracking along both edges, worse on the downstream side with some exposed reinforcement. this likely could be due to the 45 degree drip bead on fascia. Minor spalling on soffit otherwise.		
DECK			
Condition:	F2 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	F1 - Fair		
Comments:	Various potholes on edges of deck near approaches, some filled with asphalt. Some hairline cracking near this as well. Curbs and end blocks have some deterioration and hairline cracking. Some minor impact to bridge rail, approach rail posts are rotten. Concrete roadway is showing sign of wear due to exposed aggregates.		
HYDROLOGY			
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	0.5 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Stream is hitting abutment 1, rip rap protecting footing of abutment 2 from the stream.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2027	Replacement Year:	2045
Antic. Rehab. Cost:	\$100,000	Replacement Cost:	\$2,500,000
Recommendations:	Latex repairs on soffit edges and other necessary components. Repair structural posts. Water proof and pave structure.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:			