

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B11182024-4	
Date: 11/11/2024		Inspected By: M Button / T Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-114 - MAHER'S BRIDGE - R			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Assumed condition of buried reinforced concrete abutment footings. Medium vertical cracks with light efflorescence in abutment faces. Narrow vertical cracks in east bearing seat.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	F1 - Fair		
Comments:	Narrow vertical cracks, medium honeycombing, spalling, with exposed rebar in west and east end diaphragms. Some localized spalling and disintegration to numerous girder ends. Bridge maybe jammed from fill burying girder ends at exteriors. Varying width longitudinal cracks in multiple girders top flanges. Length of cracks marked in the field and to be reassessed during the next inspection. Expansion joints paved over during last rehab. Narrow transverse cracks with light/mild efflorescent deposits in deck soffit around deck drains.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	G - Good	Roadway Condition:	G - Good		
Approach Rail:	I - Inapplicable				
Comments:	Structure resurfaced & waterproofed in 2023 under 27-23 PSR. Structure has incorrect hazard markers installed at all four corners. Medium spall in northeast end curb. Large spall (no exposed reinforcement) at northwest corner of curb around the joint. Curbs showing local map cracking. Medium spalling with hairline map cracks at all four end blocks. Structure railing in good condition. No guiderail on approaches due to adjacent properties.				
HYDROLOGY					
Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable		
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable		
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable		
Comments:	Structure largely un-affected by river below. Abutments ~10m behind old bridge abutments now acting as retaining walls.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2035	Replacement Year:	2050		
Antic. Rehab. Cost:	\$N/A	Replacement Cost:	\$5,000,000		
Recommendations:	Remove all fill burying girder ends at each wingwall.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	Structure overall in fair condition. Fill needs to be removed around all girder ends. Substructure covered in graffiti.				