

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B05062022-6</b>	
Date: 4/11/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-032 - CALVERT RIVER BRIDGE - R			
<b>SUBSTRUCTURE</b>					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Assumed condition of buried reinforced concrete footings. Medium pattern cracks to NE and NW abutment wing walls. North abutment face has narrow vertical cracks with light delamination/spalling with exposed rebar. Light bulging to some bearing pads.				
<b>SUPERSTRUCTURE</b>					
Condition:	P3 - Poor	Expansion Joints:	F2 - Fair		
Comments:	Center girder severe delamination/spalling/disintegration with severe corrosion to reinforcement on bottom flange. Girder 3 and 5 medium delamination/spalling with medium corrosion to exposed reinforcement. Remaining girders have light delamination/spalling with light corrosion to exposed reinforcement. Medium erosion to exterior girder ends. Expansion joint gaps near curb facia require new caulking. Wooden pallets creating a platform between two interior girders.				
<b>DECK</b>					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	P3 - Poor				
Comments:	Exposed rebar on deck soffit. Medium abrasion to curbs. No hazard markers on structure. No structural guiderail installed. Existing standard rail posts showing signs of decay. SE guiderail buried end damaged. Medium transverse cracks near approach slab joints in asphalt. Narrow vertical cracks in sidewalk/curb facia.				
<b>HYDROLOGY</b>					
Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2030	Replacement Year:	2045		
Antic. Rehab. Cost:	\$100,000.00	Replacement Cost:	\$1,400,000.00		
Recommendations:	Install new structural approach/exit rail with hazard markers. Caulk control joints and expansion joint gaps. Repair concrete defects in girders. Remove moss growth on surface.				
<b>OBSERVATIONS</b>					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	P3 - Center girder and SE guiderail F1 - Interior girders F2 - Remainder				