

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B03262024-2</b>	
Date: 9/6/2023		Inspected By: M Button / T Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-067 - PETER'S RIVER BRIDGE - R			
<b>SUBSTRUCTURE</b>					
Condition:	P1 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	P3 - Poor		
Comments:	Severe spalling, wide vertical/horizontal cracks, and medium pattern cracking in abutment face. Severe spall in bearing seat. Severe spalling with exposed corroded reinforcement, narrow to medium vertical/horizontal cracking in wingwalls. Wide horizontal cracks in rehabbed abutment concrete. Narrow pattern cracking with light efflorescence in ballast walls. Severe erosion causing undermining of SE/SW wingwalls and roadway. Spalled concrete and lumber accumulating on bearing seat. Unable to inspect bearings due to water/height restrictions.				
<b>SUPERSTRUCTURE</b>					
Condition:	P3 - Poor	Expansion Joints:	P3 - Poor		
Comments:	Wide longitudinal cracks with medium efflorescence deposits, severe spalling with exposed corroded reinforcement to south exterior deck soffit and curb fascia. Wide horizontal cracks with efflorescence in north fascia. Narrow longitudinal cracks in deck soffit. Narrow vertical cracks in diaphragms. Efflorescence leaking through deck/girder top flange joint and accumulating on girders. Narrow vertical/horizontal cracks in interior girder web. Severe spalling with exposed corroded reinforcement to bottom of interior girders. Hairline angular cracking and severe spalling of girder ends over bearings. Light spalling with exposed reinforcement on girder web. Light surface corrosion and medium abrasions to expansion joint.				
<b>DECK</b>					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	P1 - Poor		
Approach Rail:	F2 - Fair				
Comments:	Narrow pattern cracking in end blocks. Very severe pothole SE/SW corner of structure. Wide progressive edge cracking in asphalt near end blocks. Medium longitudinal cracks and severe potholes on asphalt surface adjacent to expansion joints. Narrow longitudinal/transvers cracks and medium abrasions along concrete curb. No hazard markers.				
<b>HYDROLOGY</b>					
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:					
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2024	Replacement Year:	2030		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair erosion/undermining of wingwalls and roadway. Install structural guiderail with hazard markers. Replace curbs and expansion joints. Remove debris from bearing seat.				

**OBSERVATIONS**

<b>Overall Condition:</b>	P1 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	P1 erosion/undermining of wingwalls and roadway. P3 Wingwalls, exterior girder ends, curb fascia, and abutments.		

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.