

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03092026-1	
Date: 3/3/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-125 - BLACKHEAD ROAD OVERPASS EAST - R2			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	P3 - Poor		
		Bearing Seat:	F1 - Fair		
Comments:	- Assumed condition of buried concrete footings. - Abutment and pier bearing seats too high for inspection or covered in bird netting. - Girder sole plates have severe corrosion with visible stratification of base metal. Visible bearings have wide cracks & deformations, P3. - Wingwalls have isolated delaminations with hairline map cracks throughout, F1. - Abutments have medium vertical cracks with light to moderate rust staining along the face in isolated locations. Numerous small delaminations and spalls throughout. - North abutment ballast wall has a severe spall/area of disintegration on the northwest corner (join to west bound structure). - Pier faces have isolated spalls exposing reinforcement with light to medium corrosion. - Many concrete faces covered in green algae.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P - Poor		
Comments:	- West deck cantilever (below median barrier) replaced full depth under contract 42-22, G. - Interior deck soffit has local areas of delamination with small spalls likely due to low cover, F1. Deck soffit construction joint leaching light efflorescent material on the north span. - North abutment diaphragms have widespread delaminations and spalling to their bottom faces, P3. - East exterior deck cantilever has widespread delaminations and spalls. Some spalls reveal reinforcement with severe corrosion, P3. - Girder ends have areas of wide cracks, delaminations and spalls, P3. At the pier bearing area, the underside of the bottom flange has spalling exposing reinforcement with medium to severe corrosion, P3. Isolated areas with low cover spalls on most girders. All remaining areas in fair condition with no notable concrete defects, F1. - Expansion joint end dams, & armoring in fair condition. Visible leaking to bearing seats. - Many concrete faces covered in green algae.				
DECK					
Condition:	F1 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	P - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Deck soffit leaching light efflorescent material along a construction joint on the north span. Likely waterproofing issues on the deck top. - East structure rail is a dual functioning barrier and curb, consisting of a cast-in-place concrete barrier with a single aluminum rail on posts. One rail system has no concerning defects, F1 to F2. Barrier interior face has narrow map cracking throughout. Exterior face has no defects of concern. Control joints are not caulked, allowing route 2 drainage water access to the deck fascia. South end of barrier has narrow to medium cracks with rust leachate. West structure rail is a cast-in place concrete barrier recently replaced under contract 42-22, G. - Guiderail on southeast approach only and is not Guiderail Structures. Connection to barrier is on the south exterior face. Below the connection, there is severe erosion to the roadway shoulder. The first post on the southeast corner is cracked off, P. Median is a cast-in place concrete barrier recently replaced under contract 42-22, G. Both hazard markers missing. Area is well lit by route 2 lighting. - Asphalt surface has wheel track rutting in both lanes. Two small potholes are on the bridge decks left lane near the south joint. Potholes appear to be asphalt wear throughs. Moderate progressive edge cracking immediately after the north concrete end dams.				
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:	- Not applicable. Blackhead Road below.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	- Pigeon netting installed. Bridge still has a very severe pigeon problem. A major abatement is needed prior to any rehabilitation work. - Concrete repairs to abutments, girders, deck soffit, and potentially the deck top. - Caulk/seal exterior barrier control joints. - Replace guiderail with guiderail structures on the southwest corner complete with hazard markers. Install type C curb with rock embedded gutters. Complete slope repairs in area. - Waterproof and resurface structure. - Replace expansion joints. Consider converting to semi-integral.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- Pigeon netting installed. Bridge still has a very severe pigeon problem. A major abatement is needed prior to any rehabilitation work. - Bridge has many F1 areas but there are many areas in need of repair, P3.		

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.