

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02242025-1	
Date: 2/13/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-046 - HOLYROOD POND BRIDGE - R			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Partially buried abutment footings in fair condition. Narrow vertical and pattern cracks in faces of abutments, ballast walls and creep blocks. Narrow map cracks in face of NE/NW wingwalls and SE abutment. Light bulging (ripple) in bearing pads. Corrosion observed on concrete filled steel tube pier piles. Medium map cracks in concrete pier cap. Efflorescence deposits on east/west ballast walls leaking from expansion joints. Grout covering tie-rod holes have popped out exposing steel in wing walls. Unable to complete proper inspection on pier piles, pier cap, and bearings due to water restrictions.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	F1 - Fair		
Comments:	Narrow angular potential shear cracks in web and top flange of multiple girders ends. Cracks begin at the top of web where the pretension strands are located. Light delamination and medium corrosion to exposed pretensioned strands in SW exterior girder end. Light rust stains on interior girder webs from reinforcement. Narrow longitudinal cracks in expansion joint dams. Severe corrosion to left in place light gauge steel Q-deck soffit formwork. Medium spall to NE exterior girder end with visible reinforcement exposed. Hairline pattern cracking in diaphragms over abutments. Unable to inspect diaphragms near mid span.				
DECK					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Hairline map cracks in NE wheelchair ramp. Narrow vertical cracks to interior curb at NW corner. Wide vertical crack in SW corner curb fascia. SW corner deck soffit light spall with exposed rebar. No hazard markers. Severe slope erosion and undermining to concrete gutter at NW corner with gabion migrating down slope. Shoulder/embankment erosion at NE/SE ends of structure. Guiderail/posts showing signs of decay. Severe asphalt edge cracks at SW corner. East approach has medium longitudinal cracks and small potholes on bridge deck. Medium longitudinal cracks in asphalt at west approach. Light abrasion to end blocks and curbs.				
HYDROLOGY					
Water Velocity:	0 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:	Type II and III hydraulic rip rap at 4 corners and along faces of abutments/footings in good condition.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2030	Replacement Year:	2070		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		

Recommendations:	Install hazard markers, repair gabion and erosion damage to NW gutter. Repair/replace damaged guiderail/posts, clean out deck drains and expansion joint seals. Repair spalling and grout exposed pretensioned strands at girder ends.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:			

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