

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03022026-9	
Date: 2/17/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-143 - MANUELS CNR OVERPASS - R2			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	F1 - Fair		
		Bearing Seat:	P3 - Poor		
Comments:	Assumed condition of partially exposed reinforced concrete abutment footings. Very severe erosion of embankment material undermining sloped paving at all corners of structure. Concrete gutters adjacent to sloped paving collapsed and migrated downhill due to the erosion. Sloped paving also contains medium transverse cracks, and large holes from settlement. Medium vertical cracks in SE exposed footing. Severe spalling/delamination/deterioration with exposed reinforcement to NE/NW corners of bearing seat. Medium to wide vertical/horizontal/pattern cracking with light efflorescence in all wingwalls and abutments. Unable to inspect some interior bearings on north bearing seat due to restricted access from embankment erosion. Elastomeric bearings contain cracks/splits, tears, and light deformations. Deteriorated concrete debris accumulating on bearing seat.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P1 - Poor		
Comments:	South expansion joint leaking causing erosion/deterioration to girder ends, bearing seat, and exterior diaphragms. Wide transverse cracks and delamination to concrete dams adjacent to south plug joint creating large potholes. Potholes have been temporarily filled with asphalt. Hairline longitudinal/pattern cracking in deck soffit. Narrow angular and vertical cracking in girder ends above bearing seat. Narrow horizontal cracks in bottom flange of east/west exterior girders. Narrow horizontal cracks in top flange and web of interior girders. Medium pattern cracking in end diaphragms. Formwork left in place between girder ends and ballast wall and SW exterior girder over bearing seat. Light corrosion to exposed steel form ties in girder diaphragms. Girders remain in good condition. Light spalls with exposed corroded reinforcement in SE cantilever soffit. Wide longitudinal crack in cantilever soffit along drip edge. Narrow transverse cracking in cantilever soffit. Unable to inspect curbs and roadway due to snow and heavy traffic.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	P1 - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Severe spall with wide horizontal/vertical cracks in SW curb fascia over wingwall adjacent to curb expansion joint. Narrow vertical/horizontal/transverse cracks in remaining curb and fascia. Medium vertical/pattern cracks with rust staining surface to all end blocks. Exposed reinforcement in NW end block. Wide vertical cracks in exterior curbs below end blocks. Standard guiderail attached to end blocks with one bolt. Light corrosion, medium to severe abrasions and deformations, severe splitting and decay to approach/exit guiderail and posts. Medium abrasions, holes, dents, and missing end caps in aluminum handrail. Severe shoulder erosion at SW corner. Graffiti covering abutments, wingwalls, sloped paving and girder ends. Pigeon nests observed on bearing seat. No hazard markers.				
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:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Repair all concrete defects. Repair sloped paving and install new concrete gutters. Install hazard markers. Install new approach/exit guiderail structures on new posts with end shoe attachment to end blocks. Fix embankment erosion implementing slope protection. Replace expansion joint. Remove debris and formwork from bearing seat. Remove graffiti.		
OBSERVATIONS			
Overall Condition:	P1 - Poor	Requires Further Inspection:	Yes
Additional Observations:	P1 - Sloped paving and concrete gutters. P1 - Expansion joints and approach/exit rail. P3 – North corners of bearing seat. North for this inspection is Route 60.		

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