

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B07132023-1	
Date: 6/1/2023		Inspected By: M Dalton		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-323 - MANUELS RAMP OVERPASS - R2			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	The east abutment is in fair condition with light spalling below the bearing seats with hairline cracks, and gravel accumulating on the bearing seat. The north wingwalls have hairline vertical cracks. Bearings have light surface corrosion and no corrosion on the bolts. The west abutment has narrow vertical cracks and is in fair condition. All piers are in the same condition with narrow horizontal, and map cracking, the bearing is in fair condition with light corrosion, and the bolts are in good condition. The west wingwalls have narrow map cracking near the abutment corner. The northeast slab over the exterior bearing has severe delamination/spalling and narrow cracks.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Deck soffit is in good condition with hairline cracks. The east expansion joint is in poor condition with a deformation to the steel protector. The west expansion joint has no visible deformations and is in fair condition.				
DECK					
Condition:	P3 - Poor	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	F1 - Fair				
Comments:	Asphalt contains severe potholes exposing concrete deck and medium wheel track rutting. Barrier walls are in fair condition with narrow vertical and horizontal cracks. Guiderail in fair condition, connected to end blocks, has collision dampening posts and has hazard markers only on the west side. There is a large pile of debris accumulating on the deck near south barrier wall. The east curb fascia has hairline vertical cracks.				
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:	2027	Replacement Year:	2055		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Resurface asphalt deck, fix/replace deformations in expansion joints, install required hazard markers, remove debris from bearing seat and deck.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	P3 - Asphalt surface, expansion joints				