

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03202024-1	
Date: 8/25/2023		Inspected By: M Button / T Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		TCH-139 - HOLYROOD ACCESS ROAD OVERPASS-EASTBOUND - R1			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Medium vertical cracks and narrow pattern cracking in abutment faces. Medium pattern cracks with visible corroded reinforcement in wingwalls. Medium pattern cracking in all strut legs. Caulking around base of struts disintegrated.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable		
Comments:					
DECK					
Condition:	P1 - Poor	Curbs:	P1 - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	P3 - Poor				
Comments:	Very severe spalling with exposed corroded reinforcement and exposed aluminum handrail embedment anchors at SW curb fascia/soffit. Jersey barriers placed on roadway below to temporarily protect vehicles/pedestrians from falling concrete. Medium pattern cracking in deck soffit near strut legs. Very wide horizontal/vertical cracks, severe spalling, and medium pattern cracking in end blocks. Light spalling, wide horizontal crack with light efflorescence and concrete surface stained from corroded reinforcement to North and South curb fascia. Medium pattern cracking to south deck fascia. North deck fascia contains wide horizontal crack with medium pattern cracking. Narrow pattern/transverse cracks with light spalls and corroded reinforcement in curb soffit. Medium abrasions along concrete curb. Severe settlement from erosion to SE rock embedded gutter. No structural guiderail or end shoes. Guiderail poorly attached to end blocks. Light surface corrosion to bolts securing aluminum railing to curb. Efflorescence leaking through exterior curb soffit accumulating on deck fascia. 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:	2024	Replacement Year:	2040		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Install structural guiderail and hazard markers. Repair concrete defects. Caulk base of strut legs. Repair rock embedded gutter.				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	Yes		
Additional Observations:	P1 - Severe spalling to SW curb. The falling concrete is dangerous to vehicles and pedestrians.				