

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B03122024-1	
Date: 8/25/2023	Inspected By: M Button / T Upshall	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-114 - HOLYROOD ACCESS OVERPASS-WESTBOUND		
Route:	1	Overall Length:	0 m
Year Built:	1991	Est: No	Overall Width: 12.35 m
Year Last Rehab.:		Est: No	Roadway Width: 10.35 m
Region:	AVALON PENINSULA		Sidewalk Width: 1 m
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.: 5.2 m
Type of Structure:	04 - Rigid Frame		Max Depth of N.W.L.: 0 m
Purpose of Structure:	01 - Highway Grade Separation		Spans:
Type of Handrail:	01 - Aluminum Rail		
Roadway Surface:	02 - Asphalt		
Alignment Vertical:	01 - Good		
Alignment Horizontal:	01 - Good		
Restrictions:	No		
BRIDGE PHOTOS			
<div style="display: flex; justify-content: space-around;">   </div>			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Medium vertical cracks in abutment face. Medium pattern cracks with visible corroded reinforcement in wingwalls. Medium pattern cracking in all strut legs. Caulking around base of struts disintegrated. Graffiti covering east abutment face.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:			
DECK			
Condition:	P3 - Poor	Curbs:	P3 - Poor

Hand Rail:	F2 - Fair	Roadway Condition:	P3 - Poor
Approach Rail:	P3 - Poor		
Comments:	Medium pattern cracking in deck soffit near strut legs. Very wide horizontal/vertical cracks 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. Narrow pattern cracking to north deck fascia. South deck fascia contains wide horizontal crack with narrow pattern cracking. Narrow pattern/transverse cracks with light spalls and corroded reinforcement in curb soffit. Medium abrasions along concrete curb. Severe abrasion/spall with exposed reinforcement to SW curb. Severe pot holes in asphalt exposing second matt. No structural guiderail or end shoe. 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.		
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:	2026	Replacement Year:	2040
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Install structural guiderail. Repair concrete defects. Resurface asphalt driving surface. Caulk base of struts. Cleanup debris from erosion at SE/SW corners. Paint over graffiti.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.