

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05202024-3	
Date: 5/17/2024	Inspected By: Trevor Upshall	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-373 - TOPSAIL RD OVERPASS ON KENMOUNT RD		
Route:	60	Overall Length:	50 m
Year Built:	2012	Est: No	Overall Width: 17.46 m
Year Last Rehab.:		Est: No	Roadway Width: 16.55 m
Region:	AVALON PENINSULA		Sidewalk Width: 2.7 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation		
Type of Handrail:	02 - Concrete Rail		
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	Span No.:	Length
Alignment Horizontal:	01 - Good	Span No.:	Length
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Numerous hairline vertical cracks in abutment face, MSE wall panels and SE wingwall. Concrete debris accumulating on bearing seat.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	Numerous girder ends over north bearings contain hairline shear cracks. Severe delamination/spalling to end diaphragm over south bearing seat creep block. Hairline pattern cracking in exterior diaphragms. Green algae covering surface of girders, abutments, and diaphragms. Water leaking through expansion joint at SW corner.		
DECK			
Condition:	F2 - Fair	Curbs:	I - Inapplicable
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Hairline vertical cracks in barrier wall. Severe undermining of embankment material supporting SE rock embedded gutter. A medium pothole has developed adjacent to the gutter between the approach slab and asphalt matt. SW hazard marker missing. Graffiti covering MSE panels, wingwalls, abutments, and directional signs. Driving surface has medium wheel track rutting. Severe damage to SE/NW guiderail and posts on Topsail Road.		
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:	2030	Replacement Year:	2085
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace guiderail along Topsail Road. Remove algae and graffiti from MSE panels, girders and abutments. Repair pothole and undermining of gutter and SE corner. Repair concrete delamination on diaphragm.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

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