

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B10072021-7	
Date: 10/3/2021	Inspected By: Trevor Upshall	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-186 - GROVES ROAD OVERPASS EAST		
Route:	1	Overall Length:	19.2 m
Year Built:	1998	Overall Width:	16.7 m
Year Last Rehab.:		Roadway Width:	15.8 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.1 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation	Spans:	
Type of Handrail:	05 - Concrete Barrier	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	14
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	- MSE wall and MSE handrail in good condition but covered in graffiti. - Bearings in good condition. - Only exterior of bearing seat and bearings visible, those were F2, rest assumed but uninspectable. - All wingwalls have medium vertical cracks.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair
Comments:	- Underside of deck/fascia in good condition with mild hairline cracking. - Unable to check bearing seat for expansion joint leakage as it was too high, F1 (assumed).		
DECK			
Condition:	F2 - Fair	Curbs:	I - Inapplicable

Hand Rail:	F2 - Fair	Roadway Condition:	I - Inapplicable
Approach Rail:	P3 - Poor		
Comments:	- Asphalt in good condition. - Expansion joint (asphaltic plug joint) has heavy wear with exposed aggregate. - Jersey barrier handrail in good condition. - Approach/exit rails have no hazard markers. - Southwest approach spacer blocks on guide rail are damaged (P3), F2 remainder.		

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:	- None.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2025	Replacement Year:	2050
Antic. Rehab. Cost:	\$50000	Replacement Cost:	\$1500000
Recommendations:	- Bridge deck requires sand/debris removed. - Bearing corners require vegetation and debris removal. - Monitor plug joints on future inspections. - Repair approach/exit rails and add hazard markers.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	- Traffic control required for inspection.		

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

PHOTO GUIDELINES:
Inspection Photos:
 Please provide photos using guidelines below:
 ● Any item which inspector feels should be documented by photograph
 ● All items noted above as being P3, P1, P, or C
 ● Any evidence of known ice, scour, debris, waterway problems

INSPECTION PHOTOS