

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05182016-12		
Date: 3/3/2016		Inspected By: Chris Lyver		Category: Eng. - Engineering		
BRIDGE INFORMATION						
Site:	1-373 - TOPSAIL ROAD, OVERPASS ON KENMOUNT RD.					
Route:	1	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		Spans:			
Type of Handrail:	02 - Concrete Rail		<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt		1	38	4	0
Alignment Vertical:	01 - Good		2	0	5	0
Alignment Horizontal:	01 - Good		3	0	6	0
Restrictions:	No					
BRIDGE PHOTOS						
SUBSTRUCTURE						
Condition:	G - Good		Bearings:	G - Good		
			Bearing Seat:	G - Good		
Comments:	Some minor bulging in several bearing pads.					
SUPERSTRUCTURE						
Condition:	G - Good		Expansion Joints:	G - Good		
Comments:	CPCI 1900 pre-tensioned girders. WABO innerseal expansion joints in barrier walls					
DECK						
Condition:	G - Good		Curbs:	I - Inapplicable		
Hand Rail:	G - Good		Roadway Condition:	I - Inapplicable		
Approach Rail:	G - Good					
Comments:	Minor settlement in east approach slab. Narrow vertical cracks in barrier walls. Damage to rail (bent rail & broken/missing posts) on Topsail Road in front of MSE wall. Rock embedded gutter at SW end of structure.					
HYDROLOGY						
Water Velocity:	0 m/s		Ice Problem:	NA - Not Applicable		
Water Depth:	0 m		Scour Problem:	NA - Not Applicable		
Waterway:	03 - Not Applicable		Debris Problem:	NA - Not Applicable		

Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2016	Replacement Year:	2086
Antic. Rehab. Cost:	\$30000	Replacement Cost:	\$4000000
Recommendations:	Fix guiderail on east side of structure on Topsail Road in front of MSE walls.		
OBSERVATIONS			
Overall Condition:	G - Good	Requires Further Inspection:	No
Additional Observations:	Fair amount of graffiti on faces of MSE wall panels. Minor graffiti on abutments & wing walls		
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> • 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			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.