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Newfoundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05232018-25					
Date: 2/6/2018	Inspected By: Chris Lyver			Category: Eng Engineering				
BRIDGE INFORMATION								
Site:	1-280 - MUTTON BAY BR	RIDGE						
Route:				Overall Leng	jth:	16.9 m		
Year Built:	1967	Est: No		Overall Widt	h:	8.9 m	1	
Year Last Rehab.:		Est: No		Roadway Wi	dth:	7.4 m		
Region:	AVALON PENINSULA			Sidewalk Width:		0 m		
Jurisdiction:	Provincial			Clearance to R.D. or N.W.L.:		2.1 m		
Type of Structure:	02 - Double Tee			Max Depth o	f N.W.L.:	0.5 m		
Purpose of Structure:	04 - Over Non-Navigable	Waters		Spans:				
Type of Handrail:	02 - Concrete Rail			Span No.:	<u>Length</u>	Span No.:	Length	
Roadway Surface:	02 - Asphalt			1	11.8	4	0	
Alignment Vertical:	01 - Good			2	0	5	0	
Alignment Horizontal:	01 - Good			3	0	6	0	
Restrictions:	No							
SUBSTRUCTURE	09-02-2005/T-100	09.0	2.2008 12 09					
	D1 Door	Decrime			ninonostah			
Condition:	P1 - Poor	Bearing Bearing		0 - 01 P1 - F	ninspectab Poor			
Comments:	of abutment footings. Sev horizontal/vertical cracks delamination/spalling/disir	tops and faces of abutme rere delamination/spalling/o with heavy efflorescence d ntegration to four wingwalls d/s exterior bearing seats.	nt footings. lisintegration eposits with s. No visible	Severe erosion n to abutment areas of seve signs of beari	n/spalling/o corners. N ere ngs (AIB?)	umerous med	ium	
SUPERSTRUCTURE								
Condition:	F1 - Fair	Expansi	on Joints:	P3 - F	Poor			
Comments:	Very severe delamination/spalling/disintegration to exterior creep blocks. Wide vertical cracks with heavy efflorescence deposits to majority of end diaphragms. Narrow longitudinal/vertical cracks with light/heavy stalactites/efflor. deposits between double tees. Tees in fair condition. Expansion joints paved over on deck.							

	Water leakage/staining w	vith heavy efflor. deposits on abutme	ent faces (leaking joints?).			
DECK						
Condition:	F1 - Fair	Curbs:	P - Poor			
Hand Rail:	P - Poor	Roadway Condi	tion: P - Poor			
Approach Rail:	P1 - Poor					
Comments:	surfaces and fascia. Sev rail cracked in two. Asph	ere disintegration to majority of conc alt on deck & approaches remains ir	on with medium horizontal/vertical cracks in curb crete handrails. Top d/s rail missing. U/S top center n very poor condition with numerous patched areas Approach/exit guiderail damaged in places; tipping			
HYDROLOGY						
Water Velocity:	0.4 m/s	Ice Problem:	P - Possible Problem			
Water Depth:	0.5 m	Scour Problem:	N - No Problem			
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem			
Comments:	Medium shoulder/slope e	erosion at 4 corners of structure. Me	dium road settlement at structure ends.			
REPLACEMENT/REHAB						
Next Rehab. Date:	2018	Replacement Ye	ear: 2025			
Antic. Rehab. Cost:	\$200000	Replacement Co	ost: \$500000			
Recommendations:	Structure should be re-inspected by Bridge Office and rehabbed or replaced. In the interim install new guiderail c/w hazard markers (maintenance) and possibly resurface deck/approaches and fix handrails.					
OBSERVATIONS						
Overall Condition:	P1 - Poor	Requires Furthe Inspection:	e r Yes			
Additional Observations:	Unchanged from previous inspection, except new pole-line running along east (d/s) side of the structure.					
EGEND: condition Definitions: 1 - 'Good - [discontinued code]. 2 - 'Fair - [discontinued code]. 3 - 'Poor - [discontinued code]. 4 - 'Unsafe - [discontinued code]. G - Good. HOTO GUIDELINES: <u>Ispection Photos:</u> Please provide photos using guideling Any nem writch in Spector Any them writch in Spector Any them writch in Spector	F2 - Fair. F1 - Fair. P3 - Poor. P1 - Poor. P - Poor. P - Poor. ens shoping pe documented by proc ening P3, P1, P or C scour, debris, waterway problems	C - Unsafe (Closed to Public). U - Uninspectable. I - Inapplicable.	Problem Definitions: Category Definitions: N - No Problem. Maint Maintenance. P - Possible Problem. Eng Engineering. K - Known Problem. Office - Bridge Office. NA - Not Applicable. Office - Bridge Office.			
Any evidence of known ice						

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