Page 1 c	of 2
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Newfoundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and I	NEWFOUNDLAND BRIDGE INSPECTIO			REPOR	Г		
Date: 1/12/2018	Inspected By: Rodger Hus	sey	Category: Eng Engineering					
BRIDGE INFORMATION								
Site:	1-190 - FRESHWATER PON	D BROOK BRIDGE						
Route:			Overall Leng	gth:	18.8 m			
Year Built:	1941	Est: Yes	Overall Wid	Overall Width:		12.4 m		
Year Last Rehab.:		Est: No	Roadway W	idth:	10.4 m			
Region:	AVALON PENINSULA		Sidewalk W	idth:	0 m			
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.:		5.2 m			
Type of Structure:	04 - Rigid Frame		Max Depth o	of N.W.L.:	0.2 m			
Purpose of Structure:	04 - Over Non-Navigable Wa	ters	Spans:					
Type of Handrail:	02 - Concrete Rail		Span No.:	Length	Span No.:	Length		
Roadway Surface:	02 - Asphalt		1	5.6	4	0		
Alignment Vertical:	02 - Adequate		2	0	5	0		
Alignment Horizontal:	02 - Adequate		3	0	6	0		
Restrictions:	No							
	27.02.2006 10:56	27.02.2008	10:65					
SUBSTRUCTURE								
Condition:	P1 - Poor	Bearings:		applicable				
		Bearing Seat	: I - Ina	applicable				
Comments:	 Footings only exist on origin Very severe erosion/disinteg of footing on north frame leg 	ration to top and face of footi						
SUPERSTRUCTURE								
Condition:	P1 - Poor	Expansion Jo	oints: I - Ina	applicable				
Comments:	- Very severe delamn/spallin AAR) - Severe spalling to fac medium effior deposits in fac const joints in frame legs bet	ces of orig. south frame leg b ces of orig. frame legs - Very	elow 4 weep holes - severe delamin/spal ons - Narrow horiz/\	Extensive ling/disinte	map cracking gration continu with light spall	with ues to vert. ing and		

Condition:	P1 - Poor		Curbs:		F1 - Fair			
Hand Rail:	F2 - Fair		Roadway Condition	on:	F1 - Fair			
Approach Rail:	P1 - Poor							
Comments:	- Severe delamin/spalling/disinterg with med. corrosion continues to u/s deck edge and fascia very severe delamin/spalling/disinterg with med. corrosion to exposed reinf. continues to const. joint in deck soffit between orig. struct. and extension - Narrow longit cracks in deck soffit on extension - Severe damage to term end guiderail at NE exit guiderail; minor scrapes, dents, deformation and upended post at last section of exit. guiderail - Asphalt remains in fairly good condition - Narrow horizontal/vertical cracks and medium spalling to conc. Handrails							
HYDROLOGY								
Water Velocity:	0.3 m/s	0.3 m/s Ice Problem:			N - No Problem			
Water Depth:	0.3 m		Scour Problem:		P - Possible Problem			
Waterway:	01 - Adequate		Debris Problem:		N - No Problem			
Comments:	- Medium erosion under SE P.T. crib retaining wall							
REPLACEMENT/REHAB	BILITATION							
Next Rehab. Date:	2018		Replacement Yea	r:	2018			
Antic. Rehab. Cost:	\$0		Replacement Cos	st:	\$500000			
Recommendations:	- Replace with bottomless arch - In the interim, repair/replace damaged NE guiderail and install 4 new hazard markers (maint.)							
OBSERVATIONS								
Overall Condition:	P1 - Poor		Requires Further Inspection:		No			
Additional Observations:	P1: Original F1: Extensi	ion						
EGEND: Condition Definitions: 1 - 'Good - [discontinued code]. 2 - 'Fair - [discontinued code]. 3 - 'Poor - [discontinued code]. 4 - 'Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: <u>nspection Photos</u> : Please provide photos using guidelin Any tiem winch inspector f All items noted above as b Any evidence of known ice	F2 - Fair. F1 - Fair. P3 - Poor. P1 - Poor. P - Poor. P - Poor. ello Should be documented by pr ello P3, P1, or C s, scour, debris, waterway problen	C - Unsafe (Closed to U - Uninspectable. I - Inapplicable. notograph	Public).	Problem De N - No Prob P - Possible K - Known F NA - Not Ap	lem. Problem. Problem.	Category Definitions: Maint Maintenance. Eng Engineering. Office - Bridge Office.		
INSPECTION PHOTOS								