

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09172021-7	
Date: 2/11/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-060 - BLACK RIVER BRIDGE, SALMONIER ROAD		
Route:	90	Overall Length:	22.4 m
Year Built:	1972	Est: No	Overall Width: 11.3 m
Year Last Rehab.:		Est: No	Roadway Width: 9.8 m
Region:	AVALON PENINSULA	Sidewalk Width:	0.8 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.2 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0.3 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	13.2
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	F1 - Fair
		Bearing Seat:	P1 - Poor
Comments:	- Assumed cond. of buried/submerged reinforced conc. abut. footings - Med/severe delamin./spalling to NE face of north abut. and SW corner of south abut. - Severe delamin./spalling/disintegration with med. corrosion to exposed reinforcement continues to NW/SW/SE bearing seats/abutment corners - Narrow horiz./vert. cracks in abutments - Wide longit. crack along top of SE wingwall - Narrow alligator cracking with med. delamin./spalling with light effloir. deposits to all wingwalls - Medium erosion along bottom faces of both abutments up to high water marks - Light compression and bulging to bearing pads		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	F1 - Fair
Comments:	- Exp. joints paved over with asphalt coming up in a couple of areas. Chalking to gaps beginning to deteriorate - Light delamin./spalling with medium corrosion to exposed reinf. on some girders - Narrow longit. cracks at ends of some girders - Medium spalling at the end of south end exterior downstream girder.		

DECK			
Condition:	F2 - Fair	Curbs:	P3 - Poor
Hand Rail:	P1 - Poor	Roadway Condition:	P3 - Poor
Approach Rail:	P1 - Poor		
Comments:	- SW exit guiderail continues to deteriorate - No regulation hazard markers - Med honeycombing to deck soffit at south end - Narrow/med. horiz./vert. cracks with med. spacing to curb surfaces and fascias - Light/med. corrosion to deck downspouts - Wide transverse cracks in asphalt at expansion joints - Several spacing to curb tops and fascias at NE expansion gap location		
HYDROLOGY			
Water Velocity:	0.4 m/s	Ice Problem:	N - No Problem
Water Depth:	0.3 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- No hydraulic rip-rap at corners of structure		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2020	Replacement Year:	2025
Antic. Rehab. Cost:	\$230	Replacement Cost:	\$650
Recommendations:	Bridge Office should reinspect bearing seats Rehab structure and concrete defects, endblocks, concrete handrail, approach and exit rail c/w hazard markers		
OBSERVATIONS			
Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations:	P1 - bearing seats, endblocks, concrete handrail, abutment corners P3 - curbs F1 - remainder		
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:			
Mant. - 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			