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Newfoundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure			BRIDGE INSPECTION REPORT B02032020-7		
Date: 2/3/2020	Inspected By: Alex Ford			Category: Eng Engineering		
BRIDGE INFORMATION						
Site:	2-052 - LITTLE ST.	LAWRENCE DAM BRIDGE				
Route:	220		Overal	Length:	74.3 <b>m</b>	
Year Built:	1972	Est: No	Overal	Width:	10.7 <b>m</b>	
Year Last Rehab.:	2006	Est: No	Roadw	ay Width:	9.5 <b>m</b>	
Region:	CENTRAL EAST		Sidewa	lk Width:	0 <b>m</b>	
Jurisdiction:	Provincial		Cleara N.W.L.	nce to R.D. or	19 <b>m</b>	
Type of Structure:	01 - AASH to Girde	r	Max De	pth of N.W.L.:	3.5 <b>m</b>	
Purpose of Structure:	04 - Over Non-Navi	gable Waters	Spans			
Type of Handrail:	02 - Concrete Rail		Span I	lo.: Length	Span No.:	Length
Roadway Surface:	02 - Asphalt		1	18	4	0
Alignment Vertical:	01 - Good		2	31	5	0
Alignment Horizontal:	02 - Adequate		3	18	6	0
Restrictions:	No					

## **BRIDGE PHOTOS**



SUBSTRUCTURE	F2 - Fair	Dessinger	P3 - Poor
Condition:	FZ - Fall	Bearings: Bearing Seat:	P1 - Poor
SUPERSTRUCTUR	undermining, nee girder 5 pier 1 spa bearing seats. Ab eroding under foo	parts, some delaminations on pier one, mostly out ds slope repairs. Bearing pads squat and cracked an 2 is cracked and slightly displaced - may be be butment 1 right wing wall has erosion undermining oting due to water flowing around it.	several areas. Concrete bearing plinth under aring issues. Significant debris on abutment
	P3 - Poor	Expansion Joints:	P3 - Poor
Condition:	5 AASHTO girder	<b>Expansion Joints:</b> rs, 3 spans - Significant amounts of exposed rebar xpansion joints replaced 2006, severe disintegration	throughout, spalling and delaminations
Condition: Comments:	5 AASHTO girder caused by this. E	s, 3 spans - Significant amounts of exposed rebar	throughout, spalling and delaminations
Condition: Comments: DECK	5 AASHTO girder caused by this. E	s, 3 spans - Significant amounts of exposed rebar	throughout, spalling and delaminations
Condition: Comments: DECK Condition:	5 AASHTO girder caused by this. E leaking.	rs, 3 spans - Significant amounts of exposed rebar xpansion joints replaced 2006, severe disintegration	throughout, spalling and delaminations on around curb sections, armour damage,
Condition: Comments: DECK Condition: Hand Rail: Approach Rail:	5 AASHTO girder caused by this. Ex leaking. P3 - Poor	rs, 3 spans - Significant amounts of exposed rebar xpansion joints replaced 2006, severe disintegration Curbs:	throughout, spalling and delaminations on around curb sections, armour damage, F2 - Fair
Condition: Comments: DECK Condition: Hand Rail:	5 AASHTO girder caused by this. Ei leaking. P3 - Poor F2 - Fair P1 - Poor Concrete deck wi with efflorescence and fascia of curb rail is not attached disintegration aro	rs, 3 spans - Significant amounts of exposed rebar xpansion joints replaced 2006, severe disintegration Curbs:	F2 - Fair F2 - Fair F2 - Fair F2 - Fair F2 - Fair scracking with efflorescence, disintegration isintegration and efflorescence of the soffit ad spalls, several areas repaired. Approach s have some light cracking, severe drains have a buildup of sand and gravel.
Condition: Comments: DECK Condition: Hand Rail: Approach Rail: Comments:	5 AASHTO girder caused by this. Ei leaking. P3 - Poor F2 - Fair P1 - Poor Concrete deck wi with efflorescence and fascia of curb rail is not attached disintegration aro	rs, 3 spans - Significant amounts of exposed rebar xpansion joints replaced 2006, severe disintegration Curbs: Roadway Condition: th asphalt wearing surface. Underside of deck has a around deck drains. Several areas of cracking, d b section. Concrete hand rail has some cracking and d to the bridge, alders growing up through it. Curb und the expansion joints. Approach rail, deck and	F2 - Fair F2 - Fair F2 - Fair F2 - Fair F2 - Fair scracking with efflorescence, disintegration isintegration and efflorescence of the soffit ad spalls, several areas repaired. Approach s have some light cracking, severe drains have a buildup of sand and gravel.
Condition: Comments: DECK Condition: Hand Rail: Approach Rail: Comments: HYDROLOGY	5 AASHTO girder caused by this. Ei leaking. P3 - Poor F2 - Fair P1 - Poor Concrete deck wi with efflorescence and fascia of curb rail is not attached disintegration aro	rs, 3 spans - Significant amounts of exposed rebar xpansion joints replaced 2006, severe disintegration Curbs: Roadway Condition: th asphalt wearing surface. Underside of deck has a around deck drains. Several areas of cracking, d b section. Concrete hand rail has some cracking and d to the bridge, alders growing up through it. Curb und the expansion joints. Approach rail, deck and	F2 - Fair F2 - Fair F2 - Fair F2 - Fair F2 - Fair scracking with efflorescence, disintegration isintegration and efflorescence of the soffit ad spalls, several areas repaired. Approach s have some light cracking, severe drains have a buildup of sand and gravel.
Condition: Comments: DECK Condition: Hand Rail: Approach Rail: Comments: HYDROLOGY Water Velocity:	5 AASHTO girder caused by this. Ei leaking. P3 - Poor F2 - Fair P1 - Poor Concrete deck wi with efflorescence and fascia of curb rail is not attacher disintegration aro trees growing thro	rs, 3 spans - Significant amounts of exposed rebar xpansion joints replaced 2006, severe disintegration Curbs: Roadway Condition: th asphalt wearing surface. Underside of deck has a around deck drains. Several areas of cracking, d b section. Concrete hand rail has some cracking and d to the bridge, alders growing up through it. Curb und the expansion joints. Approach rail, deck and bugh and around rail and endblocks blocking haza	F2 - Fair F2 - Fair F2 - Fair F2 - Fair scracking with efflorescence, disintegration isintegration and efflorescence of the soffit ad spalls, several areas repaired. Approach s have some light cracking, severe drains have a buildup of sand and gravel. rd markers.
Condition: Comments: DECK Condition: Hand Rail: Approach Rail:	5 AASHTO girder caused by this. Ei leaking. P3 - Poor F2 - Fair P1 - Poor Concrete deck wi with efflorescence and fascia of curb rail is not attached disintegration aro trees growing thro m/s	rs, 3 spans - Significant amounts of exposed rebar xpansion joints replaced 2006, severe disintegration Curbs: Roadway Condition: th asphalt wearing surface. Underside of deck has a around deck drains. Several areas of cracking, d o section. Concrete hand rail has some cracking and d to the bridge, alders growing up through it. Curb und the expansion joints. Approach rail, deck and ough and around rail and endblocks blocking haza	F2 - Fair F2 - Fair F2 - Fair F2 - Fair F2 - Fair A cracking with efflorescence, disintegration isintegration and efflorescence of the soffit ad spalls, several areas repaired. Approach is have some light cracking, severe drains have a buildup of sand and gravel. rd markers.

REPLACEMENT/REHABILITATION				
Next Rehab. Date:		Replacement Year:		
Antic. Rehab. Cost:	\$0	Replacement Cost: \$0		
Recommendations:	Rehab. Curbs, rail, latex repairs, expansion under approach rail. Clear brush and trees	joints, bearing plinth, girders, deck repairs. Clear sand from deck and from around rail.		
OBSERVATIONS				
Overall Condition:	P3 - Poor	Requires Further Yes Inspection:		
Additional Observations:	Most issues stem from poor construction a displaced bearing plinth.	nd rehab practices. Bridge office should have a closer look at the		
LEGEND: Condition Definitions: 1 - *Good - [discontinued code]. 2 - *Fair - [discontinued code]. 3 - *Poor - [discontinued code]. 4 - *Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: Inspection Photos: Please provide photos using guidelin — Any rem wince inspector n — All items noted above as be — Any evidence of known icce	F2 - Fair. C - Unsate (Closed to F1 - Fair.   P3 - Poor. U - Uninspectable.   P3 - Poor. I - Inapplicable.   P1 - Poor. P - Poor.   P - Poor. P - Poor.   Ps spould be documented by photograph Scourd be documented by photograph   and P3, P1, rows, rows, waterway problems Scourd be documented by photograph	Problem Definitions: <u>Category Definitions:</u> Public). N - No Problem. Maint Maintenance. P - Possible Problem. Eng Engineering. K - Known Problem. Office - Bridge Office. NA - Not Applicable.		
INSPECTION PHOTOS				

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