



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B01302020-3

Date: 1/30/2020

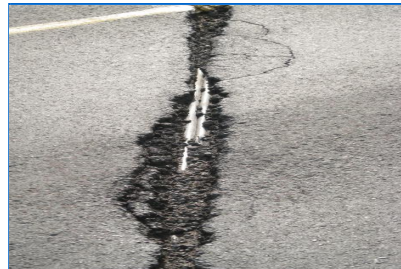
Inspected By: Alex Ford

Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-053 - TOWNSITE ROAD OVERPASS				
Route:	210	Overall Length:	33.5 m		
Year Built:	1972	Est: No	Overall Width:	10.6 m	
Year Last Rehab.:		Est: No	Roadway Width:	0 m	
Region:	CENTRAL EAST	Sidewalk Width:	0 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.1 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	29.5	4	0
Alignment Vertical:	01 - Good	2	0	5	0
Alignment Horizontal:	01 - Good	3	0	6	0
Restrictions:	Yes				
Describe Restrictions:	Posted clearance 5.1m				

BRIDGE PHOTOS





SUBSTRUCTURE

Condition:	F2 - Fair	Bearings:	P3 - Poor
		Bearing Seat:	F2 - Fair
Comments:	Concrete abutments and wingwalls. Wingwalls have cracking with efflorescence throughout - abutment two left side worst one. Abutment one right wingwall undermined. Abutment two right corner into wingwall has disintegration and exposed rebar. Bearing pads are squat, cracked and deteriorating. Bearing seat has old formwork left. hand laid rock/mortar abutment 2 left severely deteriorated.		

SUPERSTRUCTURE

Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	6 AASHTO girders, some exposed rebar and honeycomb. Significant deterioration of backwall due to leaking joints. Expansion joints are paved over and leaking significantly, disintegration around curb sections.		

DECK

Condition:	F2 - Fair	Curbs:	P3 - Poor
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor
Approach Rail:	P3 - Poor		
Comments:	Concrete deck with asphalt wearing surface. Concrete hand rail has cracking, spalls and disintegration throughout. Approach rail is not attached to structure, rusted, leaning, rotted posts. Curbs have cracking throughout. Large open crack between wingwall and wingwall curb sections all corners. Potholes in deck asphalt. Efflorescence on bottom of deck indicates leakage. Clearance signs old and worn (5.1m).		

HYDROLOGY

Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable
Comments:	Overpass structure.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Rehab structure. Latex repairs, expansion joints, curbs, hand rail, approach rail, install rock embedded gutter at corners, asphalt. Replace clearance signs (5.1m).		

OBSERVATIONS

Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:			

LEGEND:

Condition Definitions:

1 - *Good - [discontinued code].
2 - *Fair - [discontinued code].

F2 - Fair.
F1 - Fair.

C - Unsafe (Closed to Public).
U - Uninspectable.

Problem Definitions:

N - No Problem.
P - Possible Problem.

Category Definitions:

Maint. - Maintenance.
Eng. - Engineering.

3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

PHOTO GUIDELINES:
Inspection Photos:
 Please provide photos using guidelines below:

- 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.