

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B01192021-1</b>	
<b>Date:</b> 5/19/2020	<b>Inspected By:</b> Terrance Coates	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	TCH-057 - CROOKED FEEDER BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	18.7 m
<b>Year Built:</b>	1965	<b>Est:</b> No	<b>Overall Width:</b> 14.3 m
<b>Year Last Rehab.:</b>	1990	<b>Est:</b> No	<b>Roadway Width:</b> 12.5 m
<b>Region:</b>	WEST COAST/NORTHERN		<b>Sidewalk Width:</b> 0 m
<b>Jurisdiction:</b>	Federal	<b>Clearance to R.D. or N.W.L.:</b>	2.1 m
<b>Type of Structure:</b>	02 - Double Tee	<b>Max Depth of N.W.L.:</b>	0.4 m
<b>Purpose of Structure:</b>	03 - Over Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Vertical:</b>	01 - Good	1	11.2
<b>Alignment Horizontal:</b>	01 - Good	2	0
<b>Restrictions:</b>	No	3	0
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	P1 - Poor	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	Abutment and wing wall concrete deteriorated. Corners severely deteriorated with exposed rebar corroding. Efflorescence on abutment and wing walls.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Exterior double-T girders on upstream and downstream have deterioration with bottom cable exposed and strands of the cable rusted through.		
<b>DECK</b>			
<b>Condition:</b>	G - Good	<b>Curbs:</b>	G - Good

<b>Hand Rail:</b>	G - Good	<b>Roadway Condition:</b>	G - Good
<b>Approach Rail:</b>	G - Good		
<b>Comments:</b>	Old deck drains that were plugged have leaked causing spalling, deterioration, and exposed rebar on underside of double-T girders. Asphalt is cracking at each end of the deck with more extensive deterioration on the west end of the deck (large potholes).		

**HYDROLOGY**

<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b>	P - Possible Problem
<b>Water Depth:</b>	0 m	<b>Scour Problem:</b>	P - Possible Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	P - Possible Problem
<b>Comments:</b>			

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2021	<b>Replacement Year:</b>	2021
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>	Remove winter sand build-up along curbs. Latex concrete repairs to abutments, wing walls, and double-T girders. Minor curb resurfacing repairs. Repave deck and approaches. Remove beaver dam on upstream side of bridge.		

**OBSERVATIONS**

<b>Overall Condition:</b>	P1 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>			

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	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**