

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05062022-9	
Date: 4/11/2022	Inspected By: Trevor Upshall	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-108 - SPOUT BROOK BRIDGE		
Route:	10	Overall Length:	29.7 m
Year Built:	1972	Est: No	Overall Width: 11.3 m
Year Last Rehab.:		Est: No	Roadway Width: 7 m
Region:	AVALON PENINSULA		Sidewalk Width: 0.75 m
Jurisdiction:	Provincial		Clearance to R.D. or N.W.L.: 5 m
Type of Structure:	01 - AASH to Girder		Max Depth of N.W.L.: 0 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail		
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	17.9
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Narrow to medium cracks with efflorescence to SE corner of footing. Medium erosion to bottom of east footing. Narrow cracks on footings, wing walls, abutment faces with light deposits of efflorescence. Assumed condition of bearing and bearing seat inspection restricted due to height.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair
Comments:	Medium spalling with narrow longitudinal cracks near bearing on upstream exterior girder flange. Light delamination with light corrosion to exposed rebar on downstream exterior girder flange bottom. NE creep block narrow pattern cracks. Center creep block on east side has wide vertical cracks. Some light spalling on diaphragms. Expansion joint dams are paved over with exposed area having some deterioration and filled with debris.		

DECK			
Condition:	F1 - Fair	Curbs:	P3 - Poor
Hand Rail:	G - Good	Roadway Condition:	F1 - Fair
Approach Rail:	F2 - Fair		
Comments:	Light disintegration to concrete beneath steel handrail posts. Medium spalling/abrasion with exposed rebar to NE curb. Medium erosion to SE shoulder/embankment. Upstream cantilever soffit light spalling with light corrosion to exposed rebar. Medium longitudinal cracks with light efflorescence deposits to deck soffit near end diaphragms. South curb fascia leaking efflorescence at construction joint. Light raveling of asphalt with small potholes and narrow transverse cracks near expansion joints.		
HYDROLOGY			
Water Velocity:	1.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.8 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Medium erosion/scour under west footing.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2026	Replacement Year:	2030
Antic. Rehab. Cost:	\$200,000.00	Replacement Cost:	\$2,000,000.00
Recommendations:			
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.