

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05062022-2	
Date: 4/18/2022	Inspected By: Trevor Upshall	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-001 - WESTERN GULLY BRIDGE		
Route:	40	Overall Length:	6.3 m
Year Built:	1960	Est: No	Overall Width: 9.8 m
Year Last Rehab.:		Est: No	Roadway Width: 9.2 m
Region:	AVALON PENINSULA		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.3 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0.2 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	02 - Concrete Rail	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	3
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Assumed condition of reinforced concrete footings.		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable
Comments:	Numerous wide vertical/horizontal cracks with medium efflorescence deposits in faces of frame legs and all four wing walls. Severe spalling/disintegration to top and faces of all wing walls and south frame leg corners. Medium erosion to bottom of frame legs.		
DECK			
Condition:	P3 - Poor	Curbs:	P3 - Poor

Hand Rail:	P - Poor	Roadway Condition:	F1 - Fair
Approach Rail:	I - Inapplicable		
Comments:	Structure missing hazard markers and approach/exit rails. East concrete handrail completely missing. East curb severe spalling with exposed rebar. Narrow cracks with light honeycombing to deck soffit. Medium raveling and wheel track rutting to asphalt surface. West handrail F2.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	0 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2022	Replacement Year:	2026
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$400000
Recommendations:	Install approach/exit rail with hazard markers. Repair concrete defects. Install new east handrail. Resurface asphalt on deck.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes
Additional Observations:	Bridge office should inspect missing east handrail and wide cracks in frame legs and wing walls.		

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