

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B03262024-4
Date: 9/6/2023	Inspected By: M Button / T Upshall	Category: Eng. - Engineering
BRIDGE INFORMATION		
Site:	1-057 - NEW BRIDGE, CAPE BROYLE - R	
SUBSTRUCTURE		
Condition:	P3 - Poor	Bearings: U - Uninspectable
		Bearing Seat: U - Uninspectable
Comments:	Severe delamination/spalling/disintegration/erosion and very wide horizontal/narrow pattern cracking with light efflorescence in abutments. Severe scour/erosion beneath south abutment. Severe spalling/delamination and narrow vertical/horizontal cracks with light efflorescence in wingwalls. Very wide horizontal cracking in NE/NW wingwalls. Unable to inspect bearings due to height/water restrictions.	
SUPERSTRUCTURE		
Condition:	P3 - Poor	Expansion Joints: U - Uninspectable
Comments:	Light spalling with medium corrosion to exposed reinforcement in soffit of double tee girders near deck drains. Leaking soffit causing heavy buildup of efflorescence on girders between panels (more severe downstream). Severe efflorescence deposit on exterior girders leaking from wide crack opening beneath east curb.	
DECK		
Condition:	P3 - Poor	Curbs: F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition: F1 - Fair
Approach Rail:	F1 - Fair	
Comments:	Severe potholes in asphalt exposing concrete deck. Wide horizontal crack and medium abrasions in curbs. Narrow pattern cracking in end blocks. Hairline vertical/horizontal/pattern cracking to curb fascia. SW hazard marker missing. Narrow longitudinal cracking in west curb fascia.	
HYDROLOGY		
Water Velocity:	0 m/s	Ice Problem: N - No Problem
Water Depth:	0 m	Scour Problem: P - Possible Problem
Waterway:	01 - Adequate	Debris Problem: N - No Problem
Comments:	Severe scour beneath south abutment.	
REPLACEMENT/REHABILITATION		
Next Rehab. Date:	2024	Replacement Year: 2030
Antic. Rehab. Cost:	\$0	Replacement Cost: \$0
Recommendations:	Waterproof and resurface asphalt driving surface. Repair all concrete defects. Install SW hazard marker.	
OBSERVATIONS		
Overall Condition:	P3 - Poor	Requires Further Inspection: No
Additional Observations:	P3 Abutments and deck/curb fascia leaking onto double tees.	