

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B11132024-19	
Date: 11/11/2024		Inspected By: T Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-116 - SALMON RIVER BRIDGE - R60			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Assumed condition of buried/submerged reinforced concrete abutment footing. Narrow vertical cracks in wing walls and abutment walls. Light bulging and cracks in elastomeric bearings. Severe isolated delamination to NW/SW abutment face below deck drains locations. Graffiti covering substructure.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair		
Comments:	Medium spalling with exposed reinforcement in east soffit overhang. Severe honeycombing in north/south diaphragms with exposed reinforcement. Expansion joints are not visible. Transverse joint in asphalt observed at north expansion joint location. South downstream girder has exposed rebar with light corrosion. Medium erosion and hairline pattern cracking to concrete soffit near deck drains. Medium angular crack in interior girder end over north bearing seat. Grout/concrete deteriorating behind numerous girder ends. Soffit and girders remain in good condition.				
DECK					
Condition:	F2 - Fair	Curbs:	F1 - Fair		
Hand Rail:	P3 - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	P1 - Poor				
Comments:	Narrow vertical/pattern cracking and medium to severe spalling/disintegration to concrete handrail posts. Medium spalling and cracks to fascia. North exit guiderail and posts severely damaged from vehicle impact. Embankment erosion observed at NE corner.				
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:	2025	Replacement Year:	2040		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Install guiderail structures with hazard markers. Install new deck drains and downspouts. Remove sand from sidewalk and curbs. Install new steel handrail and end blocks. Repair concrete defects.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:					