

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B07102024-6</b>	
<b>Date:</b> 7/5/2024		<b>Inspected By:</b> D. Burns/J. Rowe/B. Grandy		<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
<b>Site:</b>		2-063 - ENGLISH HARBOUR EAST BRIDGE - R211			
<b>SUBSTRUCTURE</b>					
<b>Condition:</b>		F2 - Fair		<b>Bearings:</b>	
				F2 - Fair	
				<b>Bearing Seat:</b>	
				F2 - Fair	
<b>Comments:</b>		Pressure treated timber cribwork abutments with concrete slab bearing seat. Some debris, sand and salt on bearing seat. -Same as previous inspection.			
<b>SUPERSTRUCTURE</b>					
<b>Condition:</b>		F2 - Fair		<b>Expansion Joints:</b>	
				I - Inapplicable	
<b>Comments:</b>		36.6m (12 panel) Mabey Compact 200 extra wide DSHR1++ panel bridge. No visible deformations of any panels or bracing cross members.			
<b>DECK</b>					
<b>Condition:</b>		F2 - Fair		<b>Curbs:</b>	
				F1 - Fair	
<b>Hand Rail:</b>		F2 - Fair		<b>Roadway Condition:</b>	
				F1 - Fair	
<b>Approach Rail:</b>		F2 - Fair			
<b>Comments:</b>		75mm timber decking with 50mm timber wearing surface. Deterioration of deck timbers on abutment 1. Minor damage on all hazard markers. Nail ends sticking up from timbers across the deck. Curb damaged on right side near abutment 2. Sand and salt build up on beams and timber deck.			
<b>HYDROLOGY</b>					
<b>Water Velocity:</b>		2 m/s		<b>Ice Problem:</b>	
				N - No Problem	
<b>Water Depth:</b>		4 m		<b>Scour Problem:</b>	
				N - No Problem	
<b>Waterway:</b>		01 - Adequate		<b>Debris Problem:</b>	
				N - No Problem	
<b>Comments:</b>		Tidal waterway. Discussed on site with the town mayor that armor stones have rolled into the streambed and are causing an issue for small vessels passing through. This is the only channel for the vessels to travel.			
<b>REPLACEMENT/REHABILITATION</b>					
<b>Next Rehab. Date:</b>			<b>Replacement Year:</b>		
<b>Antic. Rehab. Cost:</b>		\$tbd		<b>Replacement Cost:</b>	
				\$tbd	
<b>Recommendations:</b>		Remove rocks from navigation channel downstream of structure. Remove sand and salt buildup from the abutments and bearings.			
<b>OBSERVATIONS</b>					
<b>Overall Condition:</b>		F2 - Fair		<b>Requires Further Inspection:</b>	
				No	
<b>Additional Observations:</b>		Ropes tied to bridge indicate that boats are tying to it (upstream of abutment 2).			