

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09222017-5	
Date: 9/13/2017	Inspected By: AB	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-063 - ENGLISH HARBOUR EAST BRIDGE		
Route:	211	Overall Length:	36.6 m
Year Built:	2013	Est: No	Overall Width: 6.1 m
Year Last Rehab.:		Est: No	Roadway Width: 4.1 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3 m
Type of Structure:	09 - Bailey Bridge	Max Depth of N.W.L.:	5 m
Purpose of Structure:	03 - Over Navigable Waters	Spans:	
Type of Handrail:	04 - Steel Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	03 - Timber	1	36.6
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	Yes	<u>Span No.:</u>	<u>Length</u>
Describe Restrictions:	One lane only.	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Pressure treated timber cribwork abutments with concrete slab bearing seat. Some debris, sand and salt on bearing seat.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	36.6m (12 panel) Mabey Compact 200 extra wide DSHR1++ panel bridge.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair

Approach Rail:	F2 - Fair		
Comments:	75mm timber decking with 50mm timber wearing surface. Some damage to end of raceway abutment one from plow. Hand rail is flex beam mounted on steel posts. Some minor settlement of asphalt approaches.		
HYDROLOGY			
Water Velocity:	2.0 m/s	Ice Problem:	N - No Problem
Water Depth:	4 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Tidal zone. Some rocks rolled into channel downstream of bridge, issues for boats at low tide. Onsite discussions with locals has identified that the chanel re-alignment has caused a change in sedimentation deposits downstream which is affecting boats mooring there.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Remove rocks from navigation channel downstream of structure. Remove sand and salt buildup from the abutments and bearings.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Ropes tied to bridge indicate that boats are tying to it (upstream of abutment 2).		
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● Any item which inspector feels should be documented by photograph ● All items noted above as being P3, P1, P, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			