

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B05302019-3</b>	
<b>Date:</b> 5/30/2019	<b>Inspected By:</b> lyver C	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-114 - MAHER'S BRIDGE		
<b>Route:</b>		<b>Overall Length:</b>	36.2 m
<b>Year Built:</b>	1973	<b>Est:</b> No	<b>Overall Width:</b> 10.6 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 8.3 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	5.8 m
<b>Type of Structure:</b>	01 - AASH to Girder	<b>Max Depth of N.W.L.:</b>	0.5 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters		<b>Spans:</b>
<b>Type of Handrail:</b>	02 - Concrete Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	30   4   0
<b>Alignment Vertical:</b>	01 - Good	2	0   5   0
<b>Alignment Horizontal:</b>	03 - Poor	3	0   6   0
<b>Restrictions:</b>	No		
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F1 - Fair
		<b>Bearing Seat:</b>	F1 - Fair
<b>Comments:</b>	Assumed condition of buried reinforcement concrete abutment footings (face of east abutment footing partially exposed). Medium vertical cracks with light deposits in faces of abutments.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	F2 - Fair
<b>Comments:</b>	Narrow horizontal cracks in the ends and flanges of some girders. Narrow vertical horizontal cracks with medium honey combing in some creep block diaphragms. Sections of extension joints in sidewall remains exposed at North East end. Hairline alligator cracks with light medium spalling (snow clearing) at four end blocks.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	I - Inapplicable		
<b>Comments:</b>	Narrow transverse cracks with light efflor deposits in deck soffit and deck cantilever soffit. Medium spall in extension curb facial at North East end join. Medium spalling and abrasion to tops of inter facias of curb sidewalks. Medium light corrosion at end of steel handrails. Asphalt spalled off along centerline of the structure. Medium potholes in asphalt along approach slab edges.		
<b>HYDROLOGY</b>			

<b>Water Velocity:</b>	0.4 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.3 m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Medium rusting in asphalt especially over approach slab.		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2019	<b>Replacement Year:</b>	2030
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$3000
<b>Recommendations:</b>			

**OBSERVATIONS**

<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b> 800mm HDPE (C/W) concrete wall outlet at South East corner of the bridge. New roundabout at East end of the structure at route 60/route 62 intersection.			

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

**PHOTO GUIDELINES:**  
**Inspection Photos:**  
 Please provide photos using guidelines below:  
 • 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**