GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B09282015-1

Date: 9/28/2015 **Inspected By:** Rodger Hussey **Category:** Eng. - Engineering

BRIDGE INFORMATION

Site:	1-061 - OLD BAY BULLS ROAD OVERPASS		
Route:		**Overall Length:**	0 m
Year Built:	**Est:** No	**Overall Width:**	0 m
Year Last Rehab.:	**Est:** No	**Roadway Width:**	0 m
Region:	AVALON PENINSULA	**Sidewalk Width:**	0 m
Jurisdiction:	Provincial	**Clearance to R.D. or N.W.L.:**	0 m
Type of Structure:	01 - AASH to Girder	**Max Depth of N.W.L.:**	0 m
Purpose of Structure:	01 - Highway Grade Separation	**Spans:**	
Type of Handrail:	01 - Aluminum Rail		
Roadway Surface:	02 - Asphalt		
Alignment Vertical:	02 - Adequate		
Alignment Horizontal:	02 - Adequate		
Restrictions:	No		

Span No.:	Length	Span No.:	Length
1	6	**4**	0
2	0	5	0
3	0	**6**	0

BRIDGE PHOTOS

SUBSTRUCTURE

Condition:	F2 - Fair	**Bearings:**	F2 - Fair
		Bearing Seat:	F2 - Fair

Comments: Minor cracking along the abutments and headwalls, efflorescence deposits present in headwall cracking; Leaching occurring on the abutment walls near bearings; Minor/Moderate corrosion to all steel bearing shims; Wide transverse cracks in some areas of the slope paving; Minor spalling and minor corrosion to exposed reinforcement on several pier columns.

SUPERSTRUCTURE

Condition:	P1 - Poor	**Expansion Joints:**	F2 - Fair

Comments: Moderate longitudinal cracks in the top and bottom flanges of all girders (especially the exterior girders); Portions of minor/moderate/severe spalling and delamination with moderate corrosion to the exposed reinforcement to bottoms and flanges on the majority of girders; Moderate cracking in several sections of the bridge diaphragm.

DECK

Condition:	P3 - Poor	**Curbs:**	P3 - Poor
Hand Rail:	F2 - Fair	**Roadway Condition:**	P3 - Poor
Approach Rail:	P3 - Poor		

Comments: Spalling and delamination with moderate corrosion to exposed reinforcements throughout the underside of the deck/ curb fascia (Eastbound structure has majority of the damage); Moderate asphalt stripping in the eastbound lane; Several small potholes in the westbound lane; Guide rail damaged in one section (eastbound); No end blocks; Minor cracking along the jersey barrier median.

HYDROLOGY

Water Velocity:	0 **m/s**	**Ice Problem:**	NA - Not Applicable
Water Depth:	0 **m**	**Scour Problem:**	NA - Not Applicable
Waterway:	03 - Not Applicable	**Debris Problem:**	NA - Not Applicable
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2015	**Replacement Year:**	2015
Antic. Rehab. Cost:	$0	**Replacement Cost:**	$0
Recommendations:	*Repair delaminated and spalled elements of the superstructure as soon as possible. *Install hazard markers *Repair approach rail *Repave the driving surface (eastbound lane)		

OBSERVATIONS

Overall Condition:	P1 - Poor	**Requires Further Inspection:**	No
Additional Observations:	*Concrete fragments from the girders, deck soffit, and curb fascia have been found in roadway below the bridge *Pigeons continue to roost on pier caps. (Heavy build-up of feces and nesting material) *No hazard markers. *Lighting conduit attached to the east face of the structure. *Lighting attached to pier caps. *Lighting wiring attached to north curb fascia *Triple overhead lines running under east spans near the pier cap. *Concrete located in the median from recent spalling.		

LEGEND:

Condition Definitions:

1 - *Good - [discontinued code].
2 - *Fair - [discontinued code].
3 - *Poor - [discontinued code].
4 - *Unsafe - [discontinued code].
G - Good.

F2 - Fair.
F1 - Fair.
P3 - Poor.
P1 - Poor.
P - Poor.

C - Unsafe (Closed to Public).
U - Uninspectable.
I - Inapplicable.

Problem Definitions:

N - No Problem.
P - Possible Problem.
K - Known Problem.
NA - Not Applicable.

Category Definitions:

Maint. - Maintenance.
Eng. - Engineering.
Office - Bridge Office.

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

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.