

Bridge Inspection											
Bridge File Number	85022 NE-3 Bridge					Form Type	PSR				
Year Built/Year Supstr	2007/2007					Lot No.	3				
Bridge or Town Name						Inspector Name	Kris Bosters				
Located Over	PARSONS ROAD;CPR					Inspector Class	BR CLS A				
Located On	RAMP 2423-2 E					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	14-Feb-2013				
Legal Land Location	NW SEC 28 TWP 51 RGE 24 W4M					Data Entry By	Lisa Fairhurst				
Longitude, Latitude	-113:29:02, 53:26:13					Data Entry Date	11-Mar-2013				
Road Authority	AREL					Reviewer Name	Eric Carcoux				
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	10-Mar-2013				
Clear Roadway/Skew	17.1 /					Dept. Reviewer Name	Eric Carcoux				
AADT/Year						Dept. Review Date	22-Mar-2013				
Road Classification	RFD-412.4-110					Follow-Up By					
Detour Length (km)	1										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	CL800										----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)						Yes						
Posted:	Lane	NB	On Bridge (m)	6.0	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	6.0	In Advance (Y/N)	Yes
Remarks	SB posted on bridge 85022 W-2.											
Required Load Posting (t)			Single		Semi			Truck Train				
Posted Loading (t)			Single		Semi			Truck Train				
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)			At Bridge (Y/N)				
Posted:	Lane	EB	At Junction (Y/N)		No	In Advance (Y/N)		No	At Bridge (Y/N)			
Remarks	Not required.											

Hazard Marker At Bridge (Y/N)	No											
Remarks												
Other Sign Types												

Utilities (Located at)												
Utility Attachments												
Telephone						Gas						
Power	Street lights.					Municipal						
Others						Problem (Y/N)	No					
Remarks												

Approach Road												
				Last	Now	Explanation of Condition						
Horizontal Alignment				8	8							
Vertical Alignment				8	8							
Roadway Width (m)		16.500				Wide crack in ACP at approach (photo)						
Approach Bump				5	5	F-shape barrier @ SE & SW.						
Guardrail (Y/N)		Yes										
Guardrail				8	8							
Length (m)		85.000										
Current Standard (Y/N)		Yes										
Termination Type		Terminal				Snow covered						
Drainage				8	N							
Approach Road General Rating				8	8							

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : NU, 2 Spans, Lengths(m): 26.597-26.406, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	0.0	0.0	0.0	0.0		
Wearing Surface			6	4	Random longitudinal and transverse cracking (photo). Loosing aggregate 3m x 2m area span 2 N side (photo) 500 x 200mm pot hole span 1 S side - photo	
(Material Type : ACP)						
(Thickness(mm) : 80)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			X	X		
Temperature (deg. C)		-10				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			8	8	No drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	F-shape barriers on South side as well as single slope barrier. Random hairline map and vertical cracks. A few grader scrapes/marks.	
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)						
Scaling (Percent Area)		0				
Bridge Rail			X	X		
(Type :)						
Bridge Rail Posts			X	X		
(Type :)						
Bridge Rail/Posts Coating			X	X		
(Type :)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders			8	8	Viewed from ground with binoculars.	
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
(Number Of Girders : 14)						
Diaphragms/Cross Frame			8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 26.597-26.406, A-Ident Number:)				
Bearings		8	8	Viewed from ground with binoculars.
Temperature (deg. C)	-10			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	6	Narrow transverse cracks 1m o/c under curbs
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	7	Narrow vert cracks SW & NW wingwall
Piles		N	N	
Paint/Coating		5	5	Peeling at a few locations.
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 3)				
Pier Shaft/Piles		8	8	Buttress. Hairline map cracking
Bracing/Struts/Sheathing		8	7	
Nose Plate		X	X	
Paint/Coating		8	5	Cream. Painting at a few locations
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		4	N	S curves. (1.5m x 0.2m section of ACP missing on walking trail S end of bridge (photo).5 May 2011) Snow covered
Traffic Safety Features		4	8	
Type	Guardrail/Lighting			
Slope Protection		8	N	Snow covered
(Type : GRAVEL; GRAVEL)				
Bank Stability		8	8	
Drainage		8	N	Snow covered
Grade Separation General Rating		4	4	GR carried forward from 2011

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2013	Seal cracks at approaches, slurry coat areas where aggregate is being lost.					
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Patch pothole in deck					
OTHER ACTION	2013	Patch ACP on walking trail, if not already done					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/77.8	Sufficiency Rating (Last/Now) (%)	72.3/67.3	Est. Repl. Yr	2080	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Kris Bosters		Previous Assistant's Name				
Next Inspection Date	14-Nov-2014		Previous Inspection Date	05-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							