

Bridge Inspection										
Bridge File Number	85022 W-2 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	216:04 R1 23.231					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	Theresa Lacusta			
Longitude, Latitude	-113:28:60, 53:26:16					Data Entry Date	12-Mar-2013			
Road Authority	AREL					Reviewer Name	Eric Carcoux			
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	10-Mar-2013			
Clear Roadway/Skew	21.8 / 12 deg. (RHF)					Dept. Reviewer Name	Eric Carcoux			
AADT/Year	53,850 / 2011 (A)					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)												
Posted:	Lane	SB	On Bridge (m)	6.0	In Advance (Y/N)	No	Lane	NB	On Bridge (m)	6.0	In Advance (Y/N)	Yes
Remarks	NB mounted on BF 85022 NE - 3.											
Required Load Posting (t)			Single			Semi			Truck Train			
Posted Loading (t)			Single			Semi			Truck Train			
Posted:	Lane	WB	At Junction (Y/N)	No		In Advance (Y/N)	No		At Bridge (Y/N)	No		
Posted:	Lane	EB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)			
Remarks	Not required.											

Hazard Marker At Bridge (Y/N)	Yes											
Remarks	Mounted at ends of approach guardrail.											
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	Wide crack in ACP at approaches. ACP is ravelling (photo).
Vertical Alignment		8	8	
Roadway Width (m)	24.100			
Approach Bump		4	4	
Guardrail (Y/N)	Yes			
Guardrail		8	8	
Length (m)	85.000			
Current Standard (Y/N)	Yes			
Termination Type	Terminal			
Drainage		8	8	
Approach Road General Rating		8	8	

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : NU, 2 Spans, Lengths(m): 26.75-26.75, A-Ident Number:)							
Special Features							
Special Feature			X				
(Type :)							
Special Feature			X				
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)	Snow/gravel in gutters.		
Last	0	0	0	0			
Now	5.0						
Wearing Surface			6	6	Random transverse & longitudinal cracks in ACP.- sealed.		
(Material Type : ACP)							
(Thickness(mm) : 80)							
Lateral Connection Problem (Y/N)		No					
Deck Top			N	N			
Deck Rideability			8	5			
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	Random vertical cracks on inside and outside face of curbs. Caulking at cold joints is rubbing loose from grader. Lower 1/4 of curbs covered in snow/gravel.		
(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							
Girders			8	8	Viewed from ground with binoculars.		
Cracking (Y/N)		No					
Spalling (Percent Area)		0					
(Number Of Girders : 26)							
Diaphragms/Cross Frame			8	8			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 26.75-26.75, A-Ident Number:)				
Bearings		8	6	Viewed from ground with binoculars.
Temperature (deg. C)	-10			Difficult to view but peds look over deformed in the expansion and skew directions. Could be due to backwall movement.-photo
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	6	Narrow transverse cracks under curb at a few random locations.
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	Viewed from ground.
(Type : CONCRETE)				
Backwalls/Breastwalls		8	6	Tops of 4 backwall pannels at SW are misaligned.-photo
Wingwalls		7	5	Wide vertical cracks up to 300mm long near top of SW & SE wingwalls. Narrow map cracking SW wall.
Piles		N	N	
Paint/Coating		5	5	5% of paint peeling.
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				Hairline map cracking @ 300mm.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 7)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		7	7	Buttress - narrow vertical cracks @ 300mm spacing. Narrow horizontal cracks @ 400mm spacing.
Nose Plate		X	X	
Paint/Coating		8	5	Cream. Peeling at a few locations.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		8	8	Guardrail along sidewalk on west side.
Type	Guardrail/Lighting			
Slope Protection		8	8	
(Type : GRAVEL; GRAVEL)				
Bank Stability		8	8	
Drainage		4	N	Catch basins grate is broken (photo).-05-May-2011 Too much snow to view.
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							
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	Seal cracks in ACP at approaches.					
OTHER ACTION	2013	Replace catch basin grade on Parsons Road, if not already done.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/72.2	Sufficiency Rating (Last/Now) (%)	58.7/52.2	Est. Repl. Yr	2080	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Take a close look of bearings during warm weather and monitor SW backwall panels.		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							