

Bridge Inspection										
Bridge File Number	85071 W2-5 Bridge					Form Type	SG			
Year Built/Year Supstr	2007/2007					Lot No.	3			
Bridge or Town Name	Bretona Interchange					Inspector Name	Wade Nanninga			
Located Over	216:04 R1 13.460;216:04 L1 13.463					Inspector Class	BR CLS A			
Located On	14:04 L2 0.778					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	28-Feb-2013			
Legal Land Location	NE SEC 32 TWP 51 RGE 23 W4M					Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:20:43, 53:27:03					Data Entry Date	13-Mar-2013			
Road Authority	AREL					Reviewer Name	Eric Carcoux			
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	13-Mar-2013			
Clear Roadway/Skew	13.9 /					Dept. Reviewer Name	Eric Carcoux			
AADT/Year	12,940 / 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)					Yes							
Posted:	Lane	NB	On Bridge (m)	5.8	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	6.3	In Advance (Y/N)	Yes
Remarks												
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					Installed @ end of approach railing.							
Other Sign Types					Delinators for curve.							

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	
Vertical Alignment		8	8	
Roadway Width (m)	14.400			
Approach Bump		8	8	
Guardrail (Y/N)	Yes			
Guardrail		8	8	
Length (m)	99.000			
Current Standard (Y/N)	Yes			
Termination Type	Fleat			
Drainage		5	6	
Approach Road General Rating		7	7	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 2 Spans, Lengths(m): 62.812-52.61, A-Ident Number: A1767-02)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now						
Wearing Surface			6	6		
(Material Type : ACP)						
(Thickness(mm) : 80)						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			8	4	Medium to wide cracking in paving lips with salt stains.-photo	
Temperature (deg. C)		0				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
115		West abutment				
110		East abutment				
Deck Drainage			5	6		
Drains Clogged (Y/N)		No				
Curbs/Median			8	6	Narrow cracks with stains on outside	
(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/Beam						
Cover Plate			X	X		
Flange			8	8		
Web			8	8		
Stiffeners			8	8		
Splice			8	8		
Weld			8	8		
Diaphragms/Cross Frame			8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 62.812-52.61, A-Ident Number: A1767-02)				
Paint Condition		8	8	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	Viewed with binoculars.
Temperature (deg. C)	0			
(Expansion Type : POT BEARING)				
(Fixed Type : POT BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	6	Narrow cracks with stains extending from curbs.
Stains (Percent Area)	1			
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	
Piles		N	N	
Paint/Coating		8	7	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-SOLID)				Narrow map cracking
Bearing Seats/Caps		8	8	
(Type :)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		8	8	Cream.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	On curve.
Traffic Safety Features		X	X	
Type				
Slope Protection		8	8	
(Type : GRAVEL; GRAVEL)				
Bank Stability		8	8	
Drainage		8	8	
Grade Separation General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Seal paving lip cracks.					
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/72.2	Sufficiency Rating (Last/Now) (%)	71.5/63.8	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	28-Nov-2014		Previous Inspection Date	25-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							