

Bridge Inspection											
Bridge File Number	74714 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1988/1988				Lot No.	2					
Bridge or Town Name	PLAMONDON				Inspector Name	Eric Carcoux					
Located Over	GOLD RIVER, 8.11.55.8, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	858:02 C1 23.569				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	30-Mar-2010					
Legal Land Location	SE SEC 28 TWP 69 RGE 15 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-112:13:45, 54:59:42				Data Entry Date	27-Apr-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA08				Review Date	15-Apr-2010					
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	230 / 2009 (A)				Dept. Review Date	03-May-2010					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	50										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS23									----> Primary Span	

Posting Information										
Required Load Posting (t)			Single		Semi			Truck Train		
Posted Loading (t)			Single		Semi			Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Remarks										
Hazard Marker At Bridge (Y/N)			Yes							
Remarks										
Other Sign Types			"No track equipment on bridge".							

Utilities (Located at)										
Utility Attachments										
Telephone	In South ditch r/w.				Gas					
Power	2 wires OH crossing East of bridge.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		6	6	Slight kink in alignment to the E.	
Vertical Alignment		9	9		
Roadway Width (m)	10.800				
Approach Bump		7	7		
Guardrail (Y/N)		No			
Guardrail		X	X		
Length (m)					
Current Standard (Y/N)					
Termination Type					
Drainage		N	5		
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>		

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>SM, 3 Spans, Lengths(m): 8-10-8, A-Ident Number: )</b>						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>	100					
<b>Now</b>	40.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type : )						
(Thickness(mm) : )						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	5	Numerous equipment scrapes. 45% gravel covered.	
Deck Rideability			7	7		
Deck Joints			N	4	Buffer angles. 0.3m section ripped out @ East abutment end of 1 girder near c/l.	
Bump (Y/N)		No				
Deck Drainage			N	5		
Drains Clogged (Y/N)		No				
Curbs/Median			N	5		
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			6	4	Missing connection bolt for NW terminal section - photo.	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			N	6		
(Type : <b>POST STEEL</b> )						
Bridge Rail/Posts Coating			7	7		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Girders			5	5	Diagonal crack <0.5m centre span - South curb. SP2G1, SP2G5, SP2G8, SP2G9, SP3G9, SP1G1. Narrow longit. crack SP3G3.	
Last Complete Inspection Date		30-Mar-2010				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : <b>27</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>		

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : <b>Y</b> )					
(Extended Backwall Piles Spacing(mm) : <b>1200</b> )					
				Stiffener not centered over pile at some locations.	
(Total Number of Caps/Corbels : <b>1:1</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Bearing Seats/Caps/Corbels				6	6
(Type : <b>STEEL</b> )					
(Depth(mm) : <b>350</b> )					
(Width(mm) : <b>370</b> )					
Backwalls/Breastwalls				6	4
Greatest Height (m)		1.60			
Wingwalls				X	X
(Total Number of Bearing Piles : <b>10:10</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Piles				7	6
Paint/Coating				4	4
Caps have superficial rust.					
Abutment Stability				8	7
Scour/Erosion				8	7
<b>Piers/Bents</b>					
(Type : <b>PIER-COLUMN</b> )					
(Total Number of Caps/Corbels : <b>1:1</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Bearing Seats/Caps/Corbels				6	6
(Type : <b>STEEL</b> )					
(Depth(mm) : <b>350</b> )					
(Width(mm) : <b>370</b> )					
(Total Number of Bearing Piles : <b>10:10</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Pier Shaft/Piles				7	6
Greatest Height (m)		2.50			
Bracing/Struts/Sheathing				4	4
Broken brace @ P1.-photo					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Nose Plate		X	X	
Paint/Coating		4	4	Black steel with superficial rust.
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	7	
Scour		N	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Bend in river upstream and downstream.
(D/S Direction : <b>S</b> )				
Alignment		6	6	
Bank Stability		N	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>RIP RAP</b> )				
Guidebank/Spurs		N	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Install bolt @ NW corner.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Replace broken sway bracing.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>61.5/62.5</b>	Est. Repl. Yr	2040	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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	30-Jun-2013		Previous Inspection Date	29-Nov-2006			
Inspection Cycle (Default) (months)	39						
Comment							