

Bridge Inspection									
Bridge File Number	08558 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1974/1974				Lot No.	2			
Bridge or Town Name	LAC LA BICHE				Inspector Name	Eric Carcoux			
Located Over	BEAVER RIVER, 7, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	36:26 C1 67.581				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Apr-2012			
Legal Land Location	NW SEC 18 TWP 66 RGE 13 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-111:58:18, 54:42:48				Data Entry Date	01-May-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA08				Review Date	30-Apr-2012			
Clear Roadway/Skew	11.3 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	2,990 / 2011 (A)				Dept. Review Date	04-May-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	20								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	---> On Critical Spans --->Critical Member		
Design Loading:	HS25						---> Primary Span		

Posting Information									
Required Load Posting (t)	Single		Semi		Truck Train				
Posted Loading (t)	Single		Semi		Truck Train				
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	Information, "Beaver River".								

Utilities (Located at)									
Utility Attachments									
Telephone	West r/w.				Gas	Crosses road 50 m north.			
Power	3 wires OH 35 m East of c/l.				Municipal				
Others	Fibre optic E r/w.				Problem (Y/N)	No			
Remarks	Canada geodetic survey #85A180 at NE wingwall.								

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Crest curves in both directions with no passing, limited vertical sight distance to South.					
Vertical Alignment		6	6	Intersection @ NW.					
Roadway Width (m)	11.000								
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			3	5	Not thrie beam, insuff. length.				
Length (m)	30.500								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	7					
Approach Road General Rating		6	6						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 3 Spans, Lengths(m): 9.1-9.1-9.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			7	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Fibreboard between spans, sawcuts filled with tar.
Bump (Y/N)		No			
Deck Drainage			4	4	Drainage through joints and between girders contribute to stains. Delam at U/S of girders. No deck drains, drains to North end due to grade.
Drains Clogged (Y/N)					
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			7	7	Double layer flexbeam.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			4	4	2% insuff. threads.
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	4	Rust stains from connector pockets. Few rust spots on bottom of girders near end, likely from rebar chairs. Delam crack extending from South pier on G1S1 - photo. (Void exposed on underside G1S1, patched).
Last Complete Inspection Date		12-Apr-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			SP2 G9, SP3G3,G4 has narrow longitudinal crack less than 500 long on girder underside.
Lift or Connector Pocket Grouted (Y/N)					SP3G9 has longitudinal crack with rust staining.-photo
(Number Of Girders : 30)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels			7	7	
(Type : CONCRETE)					
(Depth(mm) : 800)					
(Width(mm) : 650)					
Backwalls/Breastwalls			X	X	
Greatest Height (m)		1.50			
Wingwalls			X	X	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	100	0	0	0	
Now	100				
Piles			N	N	
Paint/Coating			5	5	
				graffitti on A1	
Abutment Stability			8	8	
Scour/Erosion			6	6	
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels			4	4	
(Type : CONCRETE)					
(Depth(mm) : 800)					
(Width(mm) : 650)					
				Delamination (400x400) at E end of pier 2-photo P2 cap has cracking over pile 4.	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				7	7	
Greatest Height (m)		3.50				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				8	8	Graffiti on pier 1 piles.
(Colour Description : BLUE)						
(Colour Code : 15182)						
Pier Stability				7	7	
Scour				7	7	
Debris (Y/N)		Yes				Old pile in S.B, beaver cuttings.
Substructure General Rating				4	4	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : W)						
(D/S Direction : E)						
Alignment				8	8	
Bank Stability				8	8	
HWM (m below Top of Curb)						HWM not visible.
Drift (Y/N)		Yes				Old pile in streambed.
Slope Protection				7	7	
(Type : NATURAL; NATURAL)						
Guidebank/Spurs				X	X	
Adequacy of Opening				8	8	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating				7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
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							
OTHER ACTION	2012	Patch delam @ P2.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	54.0/54.0	Est. Repl. Yr	2038	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	12-Jan-2014		Previous Inspection Date	31-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							