

Bridge Inspection										
Bridge File Number	70316 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1979/1979				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 64.395				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	12-Apr-2012				
Legal Land Location	NW SEC 6 TWP 66 RGE 13 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-111:58:18, 54:41:05				Data Entry Date	30-Apr-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:	MS23				---> 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				
Power	3 wires OH 35 m east.				Municipal				
Others	Fibre optic E r/w.				Problem (Y/N)		No		
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8	Crest curve to south and North.					
Vertical Alignment		7	7						
Roadway Width (m)		11.000							
Approach Bump		4	5						
Guardrail (Y/N)		Yes		Insufficient length & not thrie beam transition.					
Guardrail		3	5						
Length (m)		37.200							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage		4	4	Erosion gully at A1 (0.5m deep).					
Approach Road General Rating		7	7						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 6-8-6, 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			4	5	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Asphalt covered.
Bump (Y/N)		No			
Deck Drainage			4	4	Flow to ends only and through joints. Gully @ A1.
Drains Clogged (Y/N)					
Curbs/Median			5	4	Light scaling. Typical vertical cracks. Some lift pocket grout delaminating.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(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	30	0	0	0	
Now	30	0	0	0	
Girders			N	N	Rust stains from connector pockets diagonal crack in curb units on underside next to pier both sides - cracks marked. Longitudinal crack @ mid point full length of curb exterior. No change to diagonal cracking.-06-Aug-2008
Last Complete Inspection Date		06-Aug-2008			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			Water to 1m below girder underside. Girder noty accessible.
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 30)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	GR was '5' from 06-Aug-2008

Substructure									
Bridge Component				Last	Now	Explanation of Condition			
Abutments									
(Extended Backwall Piles (Y/N) : Y)				Crowned with framed timber subcaps at c/l. Water to 1m below girders, viewed form sides.					
(Extended Backwall Piles Spacing(mm) : 1900)									
(Total Number of Caps/Corbels : 3:3)				South abutment cap buried.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last	6	0	0				0		
Now	6								
Bearing Seats/Caps/Corbels							N	N	
(Type : TREATED TIMBER)									
(Depth(mm) : 356)									
(Width(mm) : 305)									
Backwalls/Breastwalls							N	N	
Greatest Height (m)		1.20		North backwall has front sheathing & concreted - photo. Slight loss of fill.-06-Aug-2008					
Wingwalls				4	4	Broken plank @ SW wingwall , still holding fill.			
(Total Number of Bearing Piles : 12:12)				Some piles have vertical split.-06-Aug-2008					
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last	24	0	0				0		
Now	24	0	0				0		
Piles							N	N	
Paint/Coating							X	X	
Abutment Stability							6	6	
Scour/Erosion							4	4	0.5m deep gully @ SE headslope.
Piers/Bents									
(Type : PIER-COLUMN)				Water to girder underside 1m, viewed from corners of bridge.					
(Total Number of Caps/Corbels : 4:4)									
Bearing Seats/Caps/Corbels Detail Ratings				Double wide HP with steel capital.					
	N (count)	1 (count)	2 (count)	3 (count)					
Last	8	0	0	0					
Now	8								
Bearing Seats/Caps/Corbels				N	N				
(Type : STEEL)				Some piles have vertical splits, suspect rot.-06-Aug-2008					
(Depth(mm) : 310)									
(Width(mm) : 620)									
(Total Number of Bearing Piles : 11:11)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last	22	0	0				0		
Now	22	0	0				0		
Pier Shaft/Piles							N	N	
Greatest Height (m)		2.30							
Bracing/Struts/Sheathing				N	N				
Nose Plate				X	X				
Paint/Coating				X	X				
(Colour Description :)									
(Colour Code :)									

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		N	N	
Debris (Y/N)	Yes			
Substructure General Rating		4	4	GR carried forward from 06-Aug-2008
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	1.8			HWM not visible.
Drift (Y/N)	Yes			
Slope Protection (Type : NONE; NONE)		4	4	0.5m deep gully @ South headslope, North headslope armoured with field stones. Scour evident from sides @ N. abut.
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2012	Patch delaminated curb lift pocket grout.					
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2012	Trim and install rock riprap, if not done.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	50.1/50.1	Est. Repl. Yr	2025	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							