

Bridge Inspection										
Bridge File Number	07101 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1975/1975				Lot No.	2				
Bridge or Town Name	LAC LA BICHE				Inspector Name	Eric Carcoux				
Located Over	OWL RIVER, 8.11.55.9.6, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	858:02 C1 47.407				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	30-Mar-2010				
Legal Land Location	NE SEC 30 TWP 68 RGE 13 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-111:57:53, 54:54:54				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	8.5 / 35 deg. (RHF)				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)	100									
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	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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	SE marker 0.5m offline, too high. NE too high (900mm to high)								
Other Sign Types	"Owl River" @ SW only, Curve, Max 100 kph, Information.								

Utilities (Located at)									
Utility Attachments	GAS UTILITIES-GAS LINE								
Telephone	South r/w.				Gas				
Power	2 wires OH 40m South of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Field approach @ NE.				
Vertical Alignment			6	6	Curve to West. Grade to East, limited sight distance. (Settled under NE corner - 15-Nov-2006.) Ice covered.				
Roadway Width (m)		9.500							
Approach Bump				5	5				
Guardrail (Y/N)		Yes		2 broken rail posts at SE.-photo					
Guardrail				8	4	Not thrie beam.			
Length (m)		40.500							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			5	5					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 3 Spans, Lengths(m): 19.8-19.8-19.8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	60				
Now					
Wearing Surface			7	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	5	
Temperature (deg. C)		5			
(Expansion Type :)					
(Fixed Type : COMPRESSION SEAL (ACME SEALS))					
Gap Size (mm)		Gap Location			
75		Pier 1 (West)			
70		Pier 2 (East)			
Deck Drainage			N	4	
Drains Clogged (Y/N)		No			
Curbs/Median			N	5	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			N	4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				2	
Now	0	0	0	2	
Girders			3	3	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 24)					
SP3G2 with 0.5m delam crack in underside with staining - photo. S3G8 delam crack in U/S - photo. 1 pop out on SW outside fascia - minor. 5 of 6 curb units have rust spots. Also rust spots around deck drains. SP1G1 & SP1G8,SP2G7 @ P1 diagonal crack.-photo					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 3 Spans, Lengths(m): 19.8-19.8-19.8, A-Ident Number:)				
Diaphragms/Cross Frame		X	X	
Bearings		5	5	Gravel on both abutment seats. Distorted, leaning South due to skew.
Temperature (deg. C)	5			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Spot rusting on U/S of S3G1, S2G1, S2G2 - do not appear to be from stressing strands.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		X	X	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		8	7	
Scour/Erosion		4	4	Fill eroding and settling, exposing bottom of A2-photo.
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		4	4	Delam on East face of P2, both sides - photo. Spot rusting on both piers. Delam 2m long @ S end and 400mm long @ N end of East side of P2.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 4:4)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		4	4	Top coat below waterline has failed leaving red primer - no photo Blue
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	7	
Scour		N	N	Ice covered-no evident problems. Visible thru clear ice.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Settlement at NE corner.
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		4	4	A2 headslope eroding.
(Type : NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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							
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	2010	10m 3 - Class II @ A2					
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION	2010	Patch girder U/S delams @ SP3G7 & SP3G8.					
OTHER ACTION	2010	Patch P2 cap crack / delams.					
OTHER ACTION	2010	Fill void under abutment caps and add rock AZ.					
OTHER ACTION	2010	Paint pier piles.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	47.7/45.2	Est. Repl. Yr	2037	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	30-Jun-2013		Previous Inspection Date	15-Nov-2006			
Inspection Cycle (Default) (months)	39						
Comment							