

Bridge Inspection									
Bridge File Number	78742 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1989/1989				Lot No.	2			
Bridge or Town Name	LITTLE BUFFA				Inspector Name	Brian Pientsch			
Located Over	TRIBUTARY TO LUBICON RIVER, 8.10.18.12.15.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	986:06 C1 0.824				Assistant Name	Clem Guenette			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	12-Mar-2013			
Legal Land Location	NW SEC 13 TWP 86 RGE 12 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:45:20, 56:27:39				Data Entry Date	08-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA02				Review Date	08-Apr-2013			
Clear Roadway/Skew	10 /				Dept. Reviewer Name				
AADT/Year	580 / 2012 (A)				Dept. Review Date				
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	135								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> 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									
Other Sign Types	Not installed at bridge.								

Utilities (Located at)									
Utility Attachments									
Telephone	Fibre optics S. ROW				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Horizontal curve on east approach.				
Vertical Alignment			7	7					
Roadway Width (m)	12.600				Wide cracks in ACP at bridge approaches.				
Approach Bump			5	6					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	46.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN ENDS								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 11, 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	10.0				
Wearing Surface			5	4	Wide longitudinal crack at girder locations. -photo Rust stains on deck underside originating from connection pockets.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	7	Buffer angle
Bump (Y/N)		No			
Deck Drainage			7	7	NO DRAINS
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL FLEX BEAM;GALVANIZED STEEL TUBE BEAM TYPE 1)					
Bridge Rail Posts			5	5	
(Type : 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	5	Narrow crack in East & West ends. G3,G4,G5,G6,G7,G8.
Last Complete Inspection Date		12-Mar-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	5	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(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				8	8	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				5	5	160mm gap below backwall. No loss of fill. Gap under backwall due to settlement.
Greatest Height (m)		2.00				
Wingwalls				6	6	Based on 75% visibility
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				8	8	Steel H piles
Paint/Coating				8	8	
Abutment Stability				8	8	
Scour/Erosion				6	6	160MM GAP BELOW BACKWALL.
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				X	X	
(Type :)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles :)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				NO HWM VISIBLE.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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	2013	Seal cracks in deck & at approach.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/72.2	Sufficiency Rating (Last/Now) (%)	59.9/61.6	Est. Repl. Yr	2041	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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	12-Jun-2016		Previous Inspection Date	01-Apr-2011			
Inspection Cycle (Default) (months)	39						
Comment							