

Bridge Inspection									
Bridge File Number	02156 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1986/1986				Lot No.	2			
Bridge or Town Name	LAMONT				Inspector Name	Jason Saly			
Located Over	BEAVERHILL CREEK, 6.62, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	831:04 C1 5.730				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	02-Jun-2010			
Legal Land Location	SW SEC 4 TWP 56 RGE 19 W4M				Data Entry By	Jill Potts			
Longitude, Latitude	-112:46:39, 53:48:18				Data Entry Date	01-Jul-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA14				Review Date	24-Jun-2010			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Chris Black			
AADT/Year	2,500 / 2009 (A)				Dept. Review Date	06-Jul-2010			
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	3								
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)	Yes
Remarks	
Other Sign Types	

Utilities (Located at)									
Utility Attachments									
Telephone	East ditch & West ditch.				Gas				
Power	3 wire 20m East of c/l & 3 wires OH crossing @ 100m South.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Resident access NE, field access SE & SW.					
Vertical Alignment		8	8						
Roadway Width (m)		10.000		Slight dip in North approach.					
Approach Bump		6	6						
Guardrail (Y/N)		Yes		1 broken post @ SW. No thrie beam transition, not required.					
Guardrail		8	4						
Length (m)		56.500							
Current Standard (Y/N)		Yes							
Termination Type		Turn Down							
Drainage		8	7						
Approach Road General Rating		7	7						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 8-11-8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now					
Wearing Surface			6	6	Wide cracks at abutment joints.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	7	
Deck Joints			N	N	Not waterproof. Paved over.
Bump (Y/N)		No			
Deck Drainage			7	6	Rust stains @ underside indicate some connector pockets are rusting - photo. Ext only.
Drains Clogged (Y/N)		No			
Curbs/Median			3	3	Spalling along both curb faces with exposed rebar.
(Curb Type : Standard)					
Scaling (Percent Area)		25			
Bridge Rail			7	7	Double layer. Not lapped @ posts.
(Type : GALVANIZED STEEL FLEX BEAM)					
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	0	0	0	0	
Now					
Girders			7	4	Typical hairline longitudinal cracks. S1G1 exterior bottom edge spalled near South pier. East girder South span @ the South pier is spalled with exposed rebar. East girder span 2 @ North pier is spalled.
Last Complete Inspection Date		02-Jun-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 24)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	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)				Stained from leaky joints.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				9	7	
(Type : CONCRETE)						
(Depth(mm) : 930)						
(Width(mm) : 560)						
Backwalls/Breastwalls			X	N		
Greatest Height (m)		1.00				
Wingwalls			7	7		
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	100					
Piles				N	N	
Paint/Coating			X	X		
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	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 650)						
(Width(mm) : 560)						
(Total Number of Bearing Piles : 6:6)				(00/01/25)		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now						
Pier Shaft/Piles				8	7	
Greatest Height (m)		3.10				
Bracing/Struts/Sheathing			8	7		
Nose Plate			X	X		
Paint/Coating			4	4		
(Colour Description :)						
(Colour Code :)						
Bottom 1.0m of pier piles rusting. Pier caps stained.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		5	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	6	
Bank Stability		N	5	Sharp bend & sloughed bank 30m West.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		5	5	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2010	Repair curb face.					
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	Patch end of East girder, South span.					
OTHER ACTION	2010	Replace one guardrail post.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/61.1	Sufficiency Rating (Last/Now) (%)	67.2/60.7	Est. Repl. Yr	2045	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Consider installing watertight joints when rehab. Consider armour at SW bank and headslopes in future.		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	2003.07.04 Complete minor bridge rehab and other repairs with road construction. Replace bridge in 2036.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Tim Davies		Previous Assistant's Name				
Next Inspection Date	02-Sep-2013		Previous Inspection Date	21-Mar-2007			
Inspection Cycle (Default) (months)	39						
Comment							