

Bridge Inspection									
Bridge File Number	73772 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1998/1998				Lot No.	2			
Bridge or Town Name	LAMONT				Inspector Name	Owen Salava			
Located Over	BEAVERHILL CREEK, 6.62, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	15:08 C1 25.494				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Jan-2012			
Legal Land Location	NE SEC 21 TWP 54 RGE 18 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:35:08, 53:40:56				Data Entry Date	14-Feb-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Jason Saly			
Contract Main. Area	CMA14				Review Date	28-Jan-2012			
Clear Roadway/Skew	10 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	1,280 / 2010 (A)				Dept. Review Date	23-Feb-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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	Not to standard location & height.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	Fibre optic buried in South r/w.				Gas				
Power					Municipal				
Others	CNR rail line 30m North of c/l.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Horizontal curve to West, good sight distance. Bridge on superelevation.				
Vertical Alignment			8	8					
Roadway Width (m)	9.000				SW rail accident damage - 5 posts damaged, 3 sections of rail with minor bends. 40.2m @ NE & SE; 44.10m @ NW & SW. Too low, 450mm top of pavement to guardrail c/l. Not thrie beam.				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	4					
Length (m)	44.100								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 1 Spans, Lengths(m): 14, 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	0.0	0.0	0.0	0.0	
Wearing Surface			7	7	On SFC overlay. Chip seal coat stops shy of curb; 0.7m South side, 1.4m North side.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 25)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	Buffer angles paved over. Crack reflecting through seal coat.
Bump (Y/N)	No				
Deck Drainage			7	7	Deck drains on South curb unit only. Slight superelevation.
Drains Clogged (Y/N)	No				
Curbs/Median			3	3	Narrow vertical transverse cracks at 1.0m spacing, typical. Plow damage North curb.
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail			8	8	Missing rain cap @ SE corner.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			7	7	Cap seal peeling on exterior girder fascia. Staining around South curb center deck drain.
Last Complete Inspection Date	09-Jan-2012				
Cracking (Y/N)	No				
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)	Yes				
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

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	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls			7	7		
Greatest Height (m)		2.60				
Wingwalls			8	8		
(Total Number of Bearing Piles : 0:0)				Not visible.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	100					
Piles				N	N	
Paint/Coating				6	6	
Abutment Stability				8	8	
Scour/Erosion				8	8	
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	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
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)				HWM not visible.
Drift (Y/N)	Yes			Debris collecting against rail bridge d/s.
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
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	2012	Replace missing rain cap (1).					
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	2012	Replace 5 approach rail posts at SW.					
PATCH CURBS/PARPETS	2012	Patch North curb, 0.03m3 OH-V					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	71.3/73.3	Est. Repl. Yr	2054	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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	09-Oct-2013		Previous Inspection Date	02-Jun-2010			
Inspection Cycle (Default) (months)	21						
Comment							