

Bridge Inspection									
Bridge File Number	00172 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1976/1976				Lot No.	2			
Bridge or Town Name	LAMONT				Inspector Name	Owen Salava			
Located Over	LAMONT CREEK, 6.62.4, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	29:02 C1 1.980				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Nov-2012			
Legal Land Location	SW SEC 29 TWP 55 RGE 19 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:47:60, 53:46:27				Data Entry Date	16-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA14				Review Date	14-Nov-2012			
Clear Roadway/Skew	11.3 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	2,460 / 2011 (A)				Dept. Review Date	19-Nov-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	5								
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									
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South ditch				Gas	Gas 30m South. Crossing 30m East.			
Power	4 wires 20m North of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			7	7	Local road jct 100m West. No passing both directions.				
Vertical Alignment			8	8					
Roadway Width (m)	11.500				Wide transverse crack over abuts.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes				Damage to 1 section at SW.				
Guardrail			7	7					
Length (m)	12.000								
Current Standard (Y/N)	No				Insufficient posts/spacing & length. Not thrie beam.				
Termination Type	Turned Down								
Drainage			6	6					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>VS, 1 Spans, Lengths(m): 7.6, A-Ident Number: </b> )						
<b>Special Features</b>						
Special Feature			X	File tags @ NE & SW.		
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	70.0	0.0	0.0	0.0		
Wearing Surface			6	6	(4 long. cracks in wearing surface (photo). 07Dec2010).	
(Material Type : <b>ACP</b> )						
(Thickness(mm) : <b>100</b> )						
Lateral Connection Problem (Y/N)		Yes				
Deck Top			N	N	ACP covered.	
Deck Rideability			7	7		
Deck Joints			N	N	Joints paved over.	
Bump (Y/N)		Yes				
Deck Drainage			7	7	No deck drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			7	7	Partially snow/ice covered.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			7	7	Double layer.	
(Type : <b>GALVANIZED STEEL W-BEAM</b> )						
Bridge Rail Posts			7	7		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			7	7		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Girders			5	5	G5 N edge spalled in 2 areas; looks to be during construction, no staining @ these areas.	
Last Complete Inspection Date		08-Nov-2012				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : <b>10</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>		

Substructure						
Bridge Component			Last	Now	Explanation of Condition	
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1300)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 355)						
(Width(mm) : 305)						
Backwalls/Breastwalls				6	6	West backwall bowing slightly.
Greatest Height (m)		3.10				
Wingwalls				4	4	Torn tin/rotten pile top SE - photo.
(Total Number of Bearing Piles : 11:11)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Piles				5	5	A1P4 has numerous vertical splits - photo. Piles cored in 2009, no rot found.
Paint/Coating				X	X	
Abutment Stability				6	6	Bearing piles are anchored with backwall clamps.
Scour/Erosion				7	7	
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
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)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X	X	
Greatest Height (m)		4.00				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		N	N	Iced over.
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

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	2013	Replace 1 section approach rail at SW.					
OTHER ACTION	2013	Upgrade guardrail to meet standard.					
OTHER ACTION	2013	Install new tin top at SE wing pile.					
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>60.3/59.3</b>	Est. Repl. Yr	2032	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	08-Aug-2014		Previous Inspection Date	07-Dec-2010			
Inspection Cycle (Default) (months)	21						
Comment							