

Bridge Inspection									
Bridge File Number	07214 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1972/1972				Lot No.	3			
Bridge or Town Name	ANDREW				Inspector Name	Jason Saly			
Located Over	LIMESTONE CREEK, 6.48.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	855:18 C1 1.536				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	02-Jun-2010			
Legal Land Location	NW SEC 3 TWP 57 RGE 17 W4M				Data Entry By	Jill Potts			
Longitude, Latitude	-112:27:20, 53:54:14				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	9.1 /				Dept. Reviewer Name	Chris Black			
AADT/Year	620 / 2009 (A)				Dept. Review Date	06-Jul-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 GIRDER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> 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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	West ditch				Gas				
Power	1 wire 20m East of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	8	2 broken posts @ SE. 3 sections of flexbeam damaged.				
Vertical Alignment			8	8					
Roadway Width (m)	8.100								
Approach Bump			6	5					
Guardrail (Y/N)	Yes								
Guardrail			7	3					
Length (m)	57.300								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>8</b>	<b>8</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 1 Spans, Lengths(m): 6.1, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(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>					
Wearing Surface			7	6	3 narrow longitudinal cracks in ACP, length of bridge.
(Material Type : <b>MIX TYPE 1 ACP</b> )					
(Thickness(mm) : <b>25</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			N	N	Bump due to transverse crack at abutments.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	4	Minor spall at corners.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		5			
Bridge Rail			7	6	Double layer. Not installed to meet standard at splice. 2 East posts have modified anchor bolts.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			7	5	
(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>					
Girders			5	5	Flexural cracks, some patching has been done. Narrow shear cracks South side of 1st interior from West. Most girders have drift spalls. One leg G4 & G6 cracked in AZ.
Last Complete Inspection Date		02-Jun-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>11</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)				Abutments extended to the West. The East side has been widened.					
(Extended Backwall Piles Spacing(mm) : 1200)									
(Total Number of Caps/Corbels : 1:1)				Steel cap. Steel keepers @ all four corners. Steel caps on capitals on timber piles.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
<b>Last</b>	0	0	0				0		
<b>Now</b>									
Bearing Seats/Caps/Corbels							7	6	
(Type : STEEL)									
(Depth(mm) : 360)									
(Width(mm) : 375)									
Backwalls/Breastwalls			6				6	Top 3 planks on North backwall not plumb/tight, no problems. South backwall measured.	
Greatest Height (m)		1.80							
Wingwalls			7	7					
(Total Number of Bearing Piles : 7:7)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
<b>Last</b>									
<b>Now</b>									
Piles				6	6				
Paint/Coating				X	X				
Abutment Stability				7	7				
Scour/Erosion				7	7				
<b>Piers/Bents</b>									
(Type : )				Max deck to S/B 2.1m.					
(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)									
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		7	7	
Debris (Y/N)	Yes			(Old piles in stream. 06/11/03) Remnants of old beaver dam.
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		N	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	Class I at both headslopes, center of channel not riprapped. Riprap placed from stream to abutments @ 2:1 slope.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	2010	Replace 2 broken guardrail posts and 3 sections of flexbeam.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>71.4/71.4</b>	Est. Repl. Yr	2021	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	02-Sep-2013		Previous Inspection Date	22-Mar-2007			
Inspection Cycle (Default) (months)	39						
Comment							