

Bridge Inspection									
Bridge File Number	75698 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1995/1995				Lot No.	1			
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	45:04 C1 41.320				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	23-Jan-2013			
Legal Land Location	SW SEC 5 TWP 57 RGE 17 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:29:34, 53:53:25				Data Entry Date	28-Feb-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA14				Review Date	13-Feb-2013			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Chris Black			
AADT/Year	1,380 / 2011 (A)				Dept. Review Date	28-Mar-2013			
Road Classification	RAU-209-110				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:	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	Up to 1m off line, low. Varying heights.								
Other Sign Types	"T" intersection, Stop sign, "Limestone Creek"								
Utilities (Located at)									
Utility Attachments									
Telephone	Along South & North r/w.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Local road North intersection 60m West. Hill 300m East. No passing both directions.				
Vertical Alignment			7	7					
Roadway Width (m)	8.800				ACP ravelled off @ W abut; no problem, can drive at design speed.				
Approach Bump			4	5					
Guardrail (Y/N)	Yes				Improper lap @ SE corner & 5 broken posts at SE.				
Guardrail			3	3	4 broken posts @ NE corner.				
Length (m)	99.000				Insufficient posts.				
Current Standard (Y/N)	No				Guardrail 137m long @ SW.				
Termination Type	Turned Down				Not thrie beam.				
Drainage			6	N	Snow covered.				
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 10.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.
Last	0	0	0	0	
Now	50.0	0.0	0.0	0.0	
Wearing Surface			4	5	(Asphalt stops 300mm from curbs. Long, cracking in ACP @ girder lines. Cracked grout in connection pocket, where visible. 06Jun2011).
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	ACP covered.
Deck Rideability			4	5	Short span with bump @ West abut.
Deck Joints			N	N	Asphalt covered. Buffer angles on individual girder ends.
Bump (Y/N)		No			
Deck Drainage			5	5	Drains to East. No deck drains. Leakage btwn girders.
Drains Clogged (Y/N)					
Curbs/Median			7	N	(Hairline random cracking. Minor plow scrapes. 06Jun2011).
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			6	6	Double layer flexbeam. Weak laps away from posts.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	N	Extra holes cut for bolts, no galvacon on cuts. (Post base & nuts superficial rusting. 06Jun2011).
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			6	6	(14/Apr/2007) Leaking btwn girders due to long. cracks in ACP at girder lines. Long. crack in exterior fascia. (Paved over on deck, grouted on curbs. Grout cracked in visible connector pockets. 06Jun2011).
Last Complete Inspection Date		23-Jan-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1600)							
(Total Number of Caps/Corbels : 3:3)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				7	6	Partial bearing at A1P10.	
(Type : TREATED TIMBER)							
(Depth(mm) : 355)							
(Width(mm) : 305)							
Backwalls/Breastwalls							
Greatest Height (m)			2.40	4	4	Driven T&G sheathing; new horizontal planks NE corner. T&G sheathing rotten where not patched/replaced. No action required at this time.	
Wingwalls				4	4	2 piles/wingwall; rot in top of sheathing NW, minor. No action required at this time.	
(Total Number of Bearing Piles : 10:10)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Piles				4	4	Wide vertical crack in 3rd pile from SE on front face. A1 N end not bearing fully on piles, P9/P10.	
Paint/Coating				X	X		
Abutment Stability				5	5	(Minor loss of fill behind NE wing. 06Jun2011) - Snow covered. Only 1 bearing pile is tied back @ SE corner.	
Scour/Erosion				7	N	Snow/ice covered.	
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 :)							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old piles @ North, no problem.
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				80 degree bend at U/S end, flat large slough.
(D/S Direction : S)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	N	Snow covered.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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 5 TT posts @ SE, 1 section/4 posts @ NE.					
OTHER ACTION	2013	Reset HMs to standard.					
OTHER ACTION	2013	Band A2P3 split pile & core to determine extent of rot.					
OTHER ACTION	2013	Patch ACP ravelled @ West abutment.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	64.4/65.4	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Continue regular crack sealing.		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	23-Oct-2014		Previous Inspection Date	06-Jun-2011			
Inspection Cycle (Default) (months)	21						

Comment	
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