

Bridge Inspection									
Bridge File Number	02215 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1955/1988				Lot No.	2			
Bridge or Town Name	PONOKA				Inspector Name	Owen Salava			
Located Over	TRIBUTARY TO RED DEER LAKE, 10.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	53:08 C1 37.707				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	28-Nov-2012			
Legal Land Location	SW SEC 2 TWP 43 RGE 22 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:05:59, 52:40:03				Data Entry Date	06-Dec-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA17				Review Date	04-Dec-2012			
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	600 / 2011 (A)				Dept. Review Date	10-Dec-2012			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS225						----> 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	Not required.								
Other Sign Types	Schultz Hall								
Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	2 wire crosses 10m East of bridge. 1 wire North r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Local road intersections, 75m West and 45m East, RR 223.				
Vertical Alignment			7	7					
Roadway Width (m)	9.400								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			5	5	Insufficient length.				
Length (m)	34.000				Not thrie beam.				
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 : SM, 1 Spans, Lengths(m): 6, 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	5.0	0.0	0.0	0.0	
Wearing Surface			6	6	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Staining in U/S between curb & next interior unit.					
Deck Rideability			7	7	
Deck Joints			N	N	
Paved over.					
Bump (Y/N)		No			
Deck Drainage			6	6	
No drains. Plow scrapes South curb, minor.					
Drains Clogged (Y/N)		No			
Curbs/Median			4	5	
Map cracking on outside face of curbs, surface finish.					
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			4	4	
Single layer. Overlapped @ center portion. Missing 8 splice bolts.					
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			2	6	
(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	0	0	0	0	
Girders			7	7	
Last Complete Inspection Date		13-Apr-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
Connector pocket staining at curb girders.					
(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) : Y)		Extended 1 pile. Both H-piles are undersized W 200 x 42 - 200 x 36. Gaps in E abut sheathing losing some fill. Bulging sheathing E abut. NE wingwall heaving. Missing top plank on NW, SE, SW wingwalls. E abut 5th pile from SE has been replaced with H-pile. W abut damaged pile spliced with H-pile. All timber piles looking there age with spiral cracking along grain. A2P1 has vertical crack. 1 pile spliced. Bearing piles strutted. Ice covered.								
(Extended Backwall Piles Spacing(mm) : 1500)										
(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	7		
(Type : TREATED TIMBER)										
(Depth(mm) : 300)										
(Width(mm) : 300)										
Backwalls/Breastwalls		4	5							
Greatest Height (m)		2.00								
Wingwalls		4	4							
(Total Number of Bearing Piles : 8:8)										
Piles Detail Ratings										
	N (count)	1 (count)	2 (count)	3 (count)						
Last	6	0	0	0						
Now	0	0	0	0						
Piles		5	5							
Paint/Coating		X	X							
Abutment Stability		4	5							
Scour/Erosion		N	N							
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		4	5							
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 under bridge.
Substructure General Rating		4	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		N	N	Snow covered.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	2013	Install 8 splice bolts.					
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 3 missing wingwall panks, 1.5m.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/66.7	Sufficiency Rating (Last/Now) (%)	67.6/69.5	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	28-Aug-2014		Previous Inspection Date	13-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							