

Bridge Inspection									
Bridge File Number	13901 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1995/1995				Lot No.	2			
Bridge or Town Name	KINUSO				Inspector Name	Brian Pientsch			
Located Over	EULA CREEK, 8.11.80.39.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:48 C1 40.344				Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	12-Feb-2013			
Legal Land Location	SE SEC 17 TWP 73 RGE 9 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:20:29, 55:18:58				Data Entry Date	03-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA06				Review Date	03-Apr-2013			
Clear Roadway/Skew	11.9 /				Dept. Reviewer Name				
AADT/Year	3,030 / 2012 (A)				Dept. Review Date				
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	300								
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 REQ'D								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	"ELVA CREEK"								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	30 m south				Gas				
Power	30 m north 6 wires				Municipal				
Others	Fibre optics supernet H. r/w				Problem (Y/N)	No			
Remarks	A.T. benchmark at N.W.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	land access 100m west and east				
Vertical Alignment			8	8					
Roadway Width (m)	10.000				Not trie beam.				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	45.600								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN ENDS								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 2 Spans, Lengths(m): 14-14, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last	5	0	0	0	
Now	15.0				
Wearing Surface			4	4	Random medium cracks near W. abut. Longitudinal medium cracks near E.abut. - photos
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	7	Buffer angles each end.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Vertical hairline cracks 500 mm spacing.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Snow covered Snow covered
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		8	N		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		8	N		
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	4	Pigmented coating on curb fascias is peeling. Rust staining at underside patch at S2G1
Last Complete Inspection Date		12-Feb-2013			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 22)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

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						
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) : 800)						
(Width(mm) : 600)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.15				
Wingwalls				8	8	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	99	0	0	0		
Now	99	0	0	0		
Piles				N	N	
Paint/Coating				5	4	Peeling wingwall coatings.
Abutment Stability				8	8	
Scour/Erosion				8	8	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) : 600)						
(Width(mm) : 500)						
(Total Number of Bearing Piles : 7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				8	8	
Greatest Height (m)		5.20				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				8	8	Pier cap is not coated. Piles glv.
(Colour Description :)						
(Colour Code :)						
Pier Stability				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
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		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				Hwm not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type :)				
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							
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	Seal cracks in deck. - carried over 11-May-2011					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	62.1/62.0	Est. Repl. Yr	2060	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	12-Nov-2014		Previous Inspection Date	11-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							