

Bridge Inspection									
Bridge File Number	13384 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1963/1994				Lot No.	4			
Bridge or Town Name	KINUSO				Inspector Name	Russel Vanderschaaf			
Located Over	STRAWBERRY CREEK, 8.11.80.42, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	2:50 C1 1.705				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Feb-2013			
Legal Land Location	SW SEC 15 TWP 73 RGE 10 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:27:04, 55:18:58				Data Entry Date	10-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA06				Review Date	07-Apr-2013			
Clear Roadway/Skew	12.8 / 0 deg.				Dept. Reviewer Name				
AADT/Year	1,800 / 2012 (A)				Dept. Review Date				
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	50								
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									
Hazard Marker At Bridge (Y/N)			No						
Remarks			None required.						
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	6 wires OH North.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Field entrance at NE, SE and SW corners of bridge.				
Vertical Alignment			8	8					
Roadway Width (m)		9.600			Not FLEAT				
Approach Bump			8	8					
Guardrail (Y/N)		Yes							
Guardrail			9	9					
Length (m)		41.000							
Current Standard (Y/N)		No							
Termination Type		TURN DOWN							
Drainage			8	8					
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 3 Spans, Lengths(m): 8.5-10.1-8.5, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature		7	7		
(SType : <b>CATH PROTECTION</b> )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	20.0				
Wearing Surface		9	9	ACP thickness on bridge varies from 50-180mm.	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	No				
Deck Top		7	N	View prior to paving.-19-Oct-2012	
Deck Rideability		8	8		
Deck Joints		X	X		
Bump (Y/N)		No			
Deck Drainage		8	8		
Drains Clogged (Y/N)		No			
Curbs/Median		8	N	Snow covered	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail		7	7	Top rail at South side pulled out of alignment for full length. Maximum displacement=40mm	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts		7	7		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		6	8		
(Type : <b>GALVANIZED</b> )					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders		5	5	SP1, G8 has scrape on bottom from equipment.	
Last Complete Inspection Date		12-Feb-2013			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>36</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) : 1500)						
(Total Number of Caps/Corbels : 3:3)				20mm untreated timber shim on top of caps @ A1.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				5	5	
(Type : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 365)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		1.60				
Wingwalls				6	6	
(Total Number of Bearing Piles : 10:10)				Select piles cored in 2010-no rot found.-05-Aug-2010		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Piles				5	5	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				5	5	
<b>Piers/Bents</b>						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL;GALVANIZED STEEL)						
(Depth(mm) : 310)						
(Width(mm) : 620)						
(Total Number of Bearing Piles : 9:9)				West pier has HP piles with 1.95m and a 2.35m spaces on north end.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>				Piles in P1 have scaling rust with some section loss.		
<b>Now</b>						
Pier Shaft/Piles				6	6	
Greatest Height (m)		5.40				
Bracing/Struts/Sheathing				6	6	
Nose Plate				X	X	
Paint/Coating				9	4	
(Colour Description : )						
(Colour Code : )						
Pier Stability				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	6	
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		6	6	
HWM (m below Top of Curb)	6.0			05-Aug-2010 HWM not visible
Drift (Y/N)	No			
Slope Protection		5	5	Riprap 200mm average West side. Headslope erosion at Se corner near P2-riprap on headslope preventing further erosion.
(Type : <b>RIP RAP; NATURAL</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>5</b>	<b>5</b>	



Comment	
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