

Bridge Inspection									
Bridge File Number	75904 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1994/1994				Lot No.	2			
Bridge or Town Name	KINUSO				Inspector Name	Brian Pientsch			
Located Over	ISLAND CREEK, 8.11.80.39.6, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	33:14 C1 23.869				Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	12-Feb-2013			
Legal Land Location	NW SEC 9 TWP 71 RGE 9 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:19:38, 55:08:21				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	770 / 2012 (A)				Dept. Review Date				
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	150								
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	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	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	3 wire 100m west.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Vertical & horizontal curve 300m South of bridge. Approaches 30m North & 100m South of bridge. No passing.				
Vertical Alignment			6	6					
Roadway Width (m)	10.100				ACP beginning to ravel along joints.-Repaired				
Approach Bump			4	4	Pothole NBL S end.-0.4m dia.-photo 300wx480L pothole SBL N end-Repaired				
Guardrail (Y/N)	Yes				Bent/torn section NW . Not thrie beam.				
Guardrail			3	N	Loose bolts at SE end.				
Length (m)	45.600				Snow covered				
Current Standard (Y/N)	No				Not FLEAT ends.				
Termination Type	Turn Down								
Drainage			8	8					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : DBC, 1 Spans, Lengths(m): 34, 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	20	0	0	0	
Now	30.0				
Wearing Surface			6	6	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	7	
Temperature (deg. C)		0			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
79		N. abut			
80		S. abut			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Typical vertical hairline cracks 500mm o.c. & longitudinal.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	N	Snow covered
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	N	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	N	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	4	Typical diagonal crack at SW & NE curb girder. G9 spall at end on NW corner. 0.5mLx0.15mW
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 11)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBC, 1 Spans, Lengths(m): 34, A-Ident Number:)				
Diaphragms/Cross Frame		6	6	3 diaphragms North(20-Aug-2009) and 2 diaphragms South of c/l have narrow vertical cracks @ the center bottom of diaphragms.
Bearings		7	7	North fixed, South expansion.
Temperature (deg. C)	0			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Staining at joint drains Abut 2 NW.
Stains (Percent Area)	1			
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				
Bearing Seats/Caps		6	6	West end of North seat medium crack on top of seat.
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		7	7	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	6	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				Braided gravel channel bed.
(D/S Direction : W)				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)		Yes		
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		7	7	
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	Replace damaged approach rail section & tighten bolts.- Carried over from -11-May-2011					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Repair potholes in ACP					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	57.2/57.1	Est. Repl. Yr	2064	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							