

Bridge Inspection									
Bridge File Number	75959 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1976/1976				Lot No.	1			
Bridge or Town Name	KINUSO				Inspector Name	Russel Vanderschaaf			
Located Over	TRIBUTARY TO SWAN RIVER, 8.11.80.39.4, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	33:14 C1 28.954				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Feb-2013			
Legal Land Location	NW SEC 28 TWP 71 RGE 9 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:20:06, 55:11:01				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	10.1 / 0 deg.				Dept. Reviewer Name				
AADT/Year	770 / 2012 (A)				Dept. Review Date				
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	99								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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									
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	"Foley Creek", Bump markers.								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	3 wires East r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Approach 150m North.				
Vertical Alignment			8	8	Bridge wider on the west 1.0 m from centerline.				
Roadway Width (m)	9.000				Bridge deck elevation higher than road.Pot hole 1.0Lx0.2mW SBL abut 2.-photo				
Approach Bump			5	3					
Guardrail (Y/N)	Yes				Two broken guardrail posts on SW section.-05-Apr-2011				
Guardrail			3	N	Snow covered				
Length (m)	38.000								
Current Standard (Y/N)	Yes								
Termination Type	Turned Down								
Drainage			3	N	SW corner on shoulder on road 100mm wide x 300mm long x 200mm deep hole in asphalt. Snow covered				
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : VS, 1 Spans, Lengths(m): 6.1, 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						
Now	15.0					
Wearing Surface				6	6	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 130)						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				N	N	Paved over.
Bump (Y/N)		No				
Deck Drainage				6	6	
Drains Clogged (Y/N)		No				
Curbs/Median				7	N	Snow covered
(Curb Type : Standard)						
Scaling (Percent Area)		5				
Bridge Rail				7	N	Single layer. Snow covered
(Type : GALVANIZED STEEL FLEX BEAM)						
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				1		
Girders				4		
Last Complete Inspection Date		12-Feb-2013			(Rust stains from connector pockets. Wide gap between units down c/l. Spall on girders 2, 3 & 4.-REPAIRED	
Cracking (Y/N)		No			Girder 9 has a spall with rebar exposed.-REPAIRED	
Spalling (Percent Area)		1			2 delams/spalls S1G3 S1G3 near abut 2 in AZ. 0.4 + 0.3m in dia, reinforcing bar embedded in sound concrete.-photo	
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : 9)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				4	3	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 2000)							
(Total Number of Caps/Corbels : 5:5)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)	Double cap and subcaps Abut 1 SW corner cap is split on end.-photo possible rot		
Last							
Now				1			
Bearing Seats/Caps/Corbels				5			3
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 300)							
Backwalls/Breastwalls							
Greatest Height (m)		2.00	4	4	(Material passing through backwall on South and North side. REPLACED West end - signs of timber rotting North side.		
Wingwalls							
			5	5			
(Total Number of Bearing Piles : 10:10)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)	(East pile at North abutment misaligned "5". Several old piles not bearing and do not have backwall hoops. A2P4 has a 15mm wide vertical crack and broken backwall hoop. Pile shimmed with a short piece of piling nialed to bearing pile.		
Last							
Now							
Piles				4			4
Paint/Coating				X			X
Abutment Stability							
				5	5		
Scour/Erosion							
				4	4		
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)	No			
Substructure General Rating		4	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		5	5	Vertical banks upstream & downstream.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2013	Core caps.					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Repair hole on shoulder of road.-carried over 05-Apr-2011					
OTHER ACTION	2013	Repair SW guardrail posts.-carried over 05-Apr-2011					
OTHER ACTION	2013	Repair S1G3 near abut 2.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/33.3	Sufficiency Rating (Last/Now) (%)	54.8/48.3	Est. Repl. Yr	2025	Maint. Req'd. (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	Lisbeth Medina			
Next Inspection Date	12-Nov-2014		Previous Inspection Date	05-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							