

Bridge Inspection										
Bridge File Number	75197 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	1961/1961					Lot No.	2			
Bridge or Town Name	KINUSO					Inspector Name	Brian Pientsch			
Located Over	SWAN RIVER, 8.11.80.39, WATERCRS-ST					Inspector Class	BR CLS A			
Located On	2:48 C1 45.138					Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year						Assistant Class	BR CLS B			
Navigabil. Cl./Year						Inspection Date	12-Feb-2013			
Legal Land Location	NE SEC 11 TWP 73 RGE 10 W5M					Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:24:59, 55:18:56					Data Entry Date	10-Apr-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA06					Review Date	03-Apr-2013			
Clear Roadway/Skew	9.1 /					Dept. Reviewer Name				
AADT/Year	2,450 / 2012 (A)					Dept. Review Date				
Road Classification	RAU-210-110					Follow-Up By				
Detour Length (km)	230									
Allowable Load (t):	Single	H 70 GIRDER		Semi	HS 83 GIRDER		Train	CS3 106 GIRDER		
Design Loading:	HS20								---> On Critical Spans	--->Critical Member
---> 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 required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Installed on approach rail posts. NE,NW,SE knocked down.								
Other Sign Types	"Swan River" information								

Utilities (Located at)									
Utility Attachments									
Telephone	South r/w				Gas				
Power	7 wire North r/w				Municipal				
Others	WSC guage @ NW				Problem (Y/N)		No		
Remarks	Conduit attached to inside face of North girder leg.								

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Curves at both approaches to bridge, driveway 35m west.				
Vertical Alignment			6	6	Bridge on a small crest curve. No passing. Residence 40m W of bridge.				
Roadway Width (m)		10.300			Hole in ACP E approach 0.5mLx0.1nE EBL.-photo				
Approach Bump			3	3					
Guardrail (Y/N)		Yes			45.5m @ NW; 51.2m @ NE & SE.				
Guardrail			4	N	Only 34.2m @ SW due to approach- all corners have thrie beams transition. Missing 6 bolts @ connection to bridge rail on East end.- 11-May-2011 Not FLEAT				
Length (m)		34.200							
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN			Snow covered				
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 3 Spans, Lengths(m): 18.9-26.5-26.2, A-Ident Number:)					
Special Features					
Special Feature		6	6	Exterior strengthening - Coating on Galv. exterior strengthening rods has 100% failure.	
(Type : EXT LATER POST TENS)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last	10	0	0	0	
Now	20.0				
Wearing Surface		8	8	HPC o/l in 2008. Fibre	
(Material Type : CONCRETE)					
(Thickness(mm) : 75)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		8	8		
Deck Joints		7	7	New jts in 2008 rehab.	
Temperature (deg. C)		0			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
75	Abut #1 West				
75	Pier #1				
78	Pier #2				
76	Abut #2 East				
Deck Drainage		5	5	(Small local birdbath @ North side, 6 post from West abut.-09-Feb-2009) Flat grade with 2% crosstall	
Drains Clogged (Y/N)		No			
Curbs/Median		8	N	Snow covered	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		9	N	Snow covered	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		9	N		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		9	N		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders		6	6		
Cracking (Y/N)		No			
Spalling (Percent Area)		1			
(Number Of Girders : 15)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 3 Spans, Lengths(m): 18.9-26.5-26.2, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	
Bearings		9	9	New brgs @ P1 & P2.
Temperature (deg. C)	0			Neoprene pads with teflon plate.
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : PINNED BEARING;NEOPRENE STRIP BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Water staining near S3 G5-old stains
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		4	N	Wide crack SW. -photo Snow covered
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		4	N	Erosion gully West headslope 0.5mDx0.3mW.-photo Snow covered
Piers/Bents				
(Type : PIER-SOLID)				Piercap rehabed in 2008.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 1:1)				Retrofit pier strengthing installed @ both piers in 2008. Cracking in lower pier.-Scaling @ base of pier 1.
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		5	5	
Paint/Coating		4	4	Nose plate rusting, pitting at waterline.
(Colour Description :)				
(Colour Code :)				
Pier Stability		4	4	(West pier moving eastward. 09-Feb-09)
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		4	4	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)		U/S bank has been eroded near vertical		
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		5	5	
HWM (m below Top of Curb)	2.0			2.8 m from bottom of girders. Grass on both piers.
Drift (Y/N)	Yes			
Slope Protection (Type :)		4	4	Erosion gully W.headslope 0.5m deep.
Guidebank/Spurs		4	4	Timber crib spurs are rotten and falling over.
Adequacy of Opening		4	4	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

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			