

Bridge Inspection									
Bridge File Number	79457 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1980/1980				Lot No.	2			
Bridge or Town Name	ANZAC				Inspector Name	Wade Nanninga			
Located Over	KINOSIS CK, 8.11.39.4.1.2, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	881:24 C1 23.199				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Sep-2010			
Legal Land Location	NW SEC 36 TWP 84 RGE 7 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-110:58:34, 56:19:37				Data Entry Date	28-Sep-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA07				Review Date	15-Sep-2010			
Clear Roadway/Skew	7.6 / 15 deg. (RHF)				Dept. Reviewer Name	Brent Herrick			
AADT/Year	870 / 2009 (A)				Dept. Review Date	05-Oct-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	250								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> 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	"Robert Creek" signs @ NW & SE corners.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	13 wires East r/w.				Municipal				
Others	Bell fibre optic West r/w.				Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		9	9	At bottom of sag curve.					
Vertical Alignment		7	7	No passing to North. Limited sight distance to North.					
Roadway Width (m)	9.200								
Approach Bump			6	6					
Guardrail (Y/N)	Yes		SE & NW - 53.2m; SW & NE - 45.6m.						
Guardrail			7	4	Insufficient posts, no blocking.				
Length (m)	45.600		Split post @ SW.-photo						
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			8	8					
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 3 Spans, Lengths(m): 6-10-6, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			7	7	Transverse crack @ abutments & piers, typical.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	(Some buffer angles missing. Concrete patches where angles are missing. 26/Aug/2003)
Bump (Y/N)		No			
Deck Drainage			8	8	No deck drains.
Drains Clogged (Y/N)					
Curbs/Median			5	5	Scraped by graders. Minor spalls at curb ends. S2 North end, West side.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		2			
Bridge Rail			4	4	Double layer, non standard splice. Missing 4 splice bolts per connection (80). There is a small gap between some posts/rail.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			5	5	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	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	Some chipping on outside curb. Typical diagonal crack on several curbs units less than 0.5m.  Paved over. G1 S2 spall along edge.-photo
Last Complete Inspection Date		08-Sep-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>27</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			East curb skewed 100mm out of line.
Horizontal (Y/N)		Yes			
<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) : <b>Y</b> )				Ext. piles @ 1.8m	
(Extended Backwall Piles Spacing(mm) : <b>1800</b> )				Missing web splice plate where required.	
<b>(Total Number of Caps/Corbels : 1:1)</b>					
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 : <b>STEEL</b> )					
(Depth(mm) : <b>310</b> )					
(Width(mm) : <b>310</b> )					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		1.60			
Wingwalls			7	7	
<b>(Total Number of Bearing Piles : 7:7)</b>					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Piles				7	5
Paint/Coating				3	4
				Pitting/scaling loosing section.	
Abutment Stability				7	7
Scour/Erosion				7	7
<b>Piers/Bents</b>					
(Type : <b>PIER-COLUMN</b> )					
<b>(Total Number of Caps/Corbels : 1:1)</b>					
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 : <b>STEEL</b> )					
(Depth(mm) : <b>310</b> )					
(Width(mm) : <b>620</b> )					
				Missing splice plate (8) in web where required.	

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
(Total Number of Bearing Piles : <b>9:9</b> )						End piles at both piers installed slightly battered.	
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
Pier Shaft/Piles				6	5		
Greatest Height (m)		3.10					
Bracing/Struts/Sheathing				8	8		HSS tubing.
Nose Plate				8	8		
Paint/Coating				3	3		Pitting/scaling loosing section
(Colour Description : )							
(Colour Code : )							
Pier Stability				8	7		
Scour				7	7		
Debris (Y/N)		Yes					
<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>W</b> )						Two streams join U/S of bridge 20 m.	
(D/S Direction : <b>E</b> )							
Alignment				7	7		
Bank Stability				8	8		
HWM (m below Top of Curb)						HWM not visible.	
Drift (Y/N)		Yes					
Slope Protection				7	7		
(Type : <b>RIP RAP</b> )							
Guidebank/Spurs				X	X		
Adequacy of Opening				8	8		
(Fish Compensation Measure 1 : <b>NONE</b> )							
(Fish Compensation Measure 2 : <b>NONE</b> )							
<b>Channel General Rating</b>				<b>7</b>	<b>7</b>		

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Install missing splice bolts (80).					
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	2010	Seal transverse ACP cracks over abutments & piers.					
OTHER ACTION	2010	Replace 1 post in SW GR					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>52.5/53.3</b>	Est. Repl. Yr	2038	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor rust on piles and caps.		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	08-Dec-2013		Previous Inspection Date	14-Jun-2007			
Inspection Cycle (Default) (months)	39						
Comment							