

Bridge Inspection									
Bridge File Number	79458 -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	GREGOIRE RIVER, 8.11.39.4.1, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	881:24 C1 30.349				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Sep-2010			
Legal Land Location	SW SEC 22 TWP 85 RGE 7 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-111:01:40, 56:23:04				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 /				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:	MS23						----> 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	Gregoire River								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	11 wires East r/w.				Municipal				
Others	Bell fibre optics cable West r/w.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Horizontal & crest curve on approach North of bridge. No passing. SE & NW - 53.2m; SW & NE - 45.6m.				
Vertical Alignment			7	7					
Roadway Width (m)	9.700				Insufficient posts, no blocking.				
Approach Bump			7	5					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	45.600								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			8	8					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 6-10-6, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			7	7	(Tops of girders abraded by gravel from approach road prior to being paved. Large gaps between some precast units up to 30mm. 26/Aug/2003)
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	(Some buffer angles are missing at both abutments. 26/Aug/2003) Paved over. Transverse crack over abutments & piers - photo.
Bump (Y/N)		No			
Deck Drainage			6	6	No deck drains.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Scraped by graders. Vertical cracking 300mm spacing in fascia.
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			4	4	Double layer. Missing 4 bolts per splice connection - photo.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last				1	
Now	0	0	0	1	
Girders			3	3	Outside of curb units chipped in a few spots. Typical diagonal crack on few curb girders less than 0.5m. G1-S2 spall along outside bottom edge- photo. Short hairline diagonal crack in AZ of G3/S1 @ pier corrosion staining - photo. Not visible.
Last Complete Inspection Date		14-Jun-2007			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1800)						
Missing weld splice plate in web splice.						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				5	5	
(Type : STEEL)						
(Depth(mm) : 310)						
(Width(mm) : 310)						
Backwalls/Breastwalls				5	4	Bottom of SW and NE backwall sheathing exposed.
Greatest Height (m)		1.75				
Wingwalls				7	7	
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				7	5	
Paint/Coating				3	4	Scaling/pitted losing section.
Abutment Stability				7	7	
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				5	5	
(Type : STEEL)						
(Depth(mm) : 310)						
(Width(mm) : 620)						
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				7	5	
Greatest Height (m)		3.20				
Bracing/Struts/Sheathing				7	7	
Nose Plate				7	7	
Paint/Coating				3	4	Scaling/pitting
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
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	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 crack over abutment & piers.					
OTHER ACTION	2010	Patch S2G1 spalled edge.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	43.6/44.3	Est. Repl. Yr	2033	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	onitor girder cracking. No action, monitor cap corrosion for now.		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							