

Bridge Inspection											
Bridge File Number	79459 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1982/1982				Lot No.	4					
Bridge or Town Name	ANZAC				Inspector Name	Wade Nanninga					
Located Over	MILTON'S CK, 8.11.39.4.1.5, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	881:24 C1 43.768				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	08-Sep-2010					
Legal Land Location	SE SEC 10 TWP 86 RGE 8 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-111:10:17, 56:26:16				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	10 / 15 deg. (RHF)				Dept. Reviewer Name	Brent Herrick					
AADT/Year	2,890 / 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	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)	No								
Remarks	Not required.								
Other Sign Types	Morris Creek								

Utilities (Located at)										
Utility Attachments										
Telephone	South r/w.				Gas					
Power	3 wires North r/w.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Entrance to West. Crest curve to West. No passing.				
Vertical Alignment			7	7					
Roadway Width (m)	9.500				Approaches patched - slight dip.				
Approach Bump			6	5					
Guardrail (Y/N)	Yes				SW & NE - 30.4m; SE & NW - 22.8m. Too low (NW - 450).				
Guardrail			4	4					
Length (m)	22.800								
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, 1 Spans, Lengths(m): 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			5	5	Cracks in ACP between 2 girders.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	(Buffer angles. 26/Aug/2003) Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)					
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	6	Single layer. With timber blocking.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	5	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	9				
Now	9	0	0	0	
Girders			N	N	Underside deck not accessible due to water depth. Girders viewed from corners. Girder ends are cantilevered past abutment caps approx 150mm causing backwall planks to buckle. Staining @ grout pocket locations.-14-Jun-2007
Last Complete Inspection Date					
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
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			7	7	(G.R. carried forward from 26/Aug/2003).

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
(Extended Backwall Piles (Y/N) : Y)		Water too deep. Viewed from bank.							
(Extended Backwall Piles Spacing(mm) : 1200)									
(Total Number of Caps/Corbels : 1:1)		Not accessible due to beaverdam/water depth.							
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) :)									
(Width(mm) :)									
Backwalls/Breastwalls			4	4					
Greatest Height (m)		3.30							
Wingwalls			4	4					
Wings are short with only 1 pile. NE wing pushed out. Material spilled around the S. wings are eroded away.									
SW wing scoured, vertical bank affecting shoulder. Small gaps between planks at NE wing. End of top plank broken at SE wing. Scour at wingwalls.									
(Total Number of Bearing Piles : 0:0)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
Piles			5	5					
Paint/Coating			4	4					
Rust flaking on caps, extensive rust & pitting.									
Abutment Stability			5	4					
Backwall clamps installed too low to be effective, some up to 600mm below cap.									
Scour/Erosion			4	4					
Scour along WW									
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) :)									

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(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 :)						
Pier Stability				X	X	
Scour				X	X	
Debris (Y/N)		Yes				Small dam across South side. Small amount of drift @ U/S end under bridge.
Substructure General Rating				5	4	
Structure Usage						
				Last	Now	Explanation of Condition
Channel						
(U/S Direction : S)						
(D/S Direction : N)						
Alignment				7	7	
Bank Stability				7	7	
HWM (m below Top of Curb)						HWM not visible.
Drift (Y/N)		Yes				Beaver dam 50 m South of bridge & in channel under South curb.
Slope Protection				5	4	Scour along all WW.
(Type : NONE; NONE)						
Guidebank/Spurs				X	X	
Adequacy of Opening				7	5	
(Fish Compensation Measure 1 : NONE)						
(Fish Compensation Measure 2 : NONE)						
Channel General Rating				7	4	

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							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/61.1	Sufficiency Rating (Last/Now) (%)	65.8/59.9	Est. Repl. Yr	2028	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor backwall sheathing due to cantilevered girders, monitor section loss of caps. Monitor dip in both approach ACP, patch as necessary. Monitor erosion around wingwalls.		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							