

Bridge Inspection											
Bridge File Number	77060 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1982/1982				Lot No.	2					
Bridge or Town Name	ANZAC				Inspector Name	Wade Nanninga					
Located Over	SURMONT CREEK, 8.11.39.4.1.4, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	881:24 C1 42.884				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	08-Sep-2010					
Legal Land Location	NW SEC 2 TWP 86 RGE 8 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-111:09:29, 56:26:06				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	10.1 /				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	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	Surmont Creek.								

Utilities (Located at)										
Utility Attachments										
Telephone	East & West r/w.				Gas					
Power	3 wires East r/w, 1 wire West r/w.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road														
			Last	Now	Explanation of Condition									
Horizontal Alignment			7	7	Access roads at all four corners of bridge.									
Vertical Alignment			8	8										
Roadway Width (m)			9.400		Creased SE but functioning. Too low (370mm). NE - 11.4m; NW - 15.2m; SW - 22.8m; SE - 30.4m.									
Approach Bump			5	5										
Guardrail (Y/N)			Yes							2 split post @ SE - still functioning.				
Guardrail			3	4										
Length (m)			11.400											
Current Standard (Y/N)			No											
Termination Type			Turned Down											
Drainage			7	7										
Approach Road General Rating			7	7										

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 11, 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	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			6	6	
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			6	6	Small spalls along the top of North curb.
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			6	6	Double layer.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			8	3	Missing AB nut @ NW.-photo
(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)	G9 crack/delams with rust staining - photo. Viewed from 4 corners.
Last				1	
Now	0	0	0	1	
Girders			3	3	Staining at grout pocket location. Spot rust staining on G10 at West abutment. Typical diagonal less than 0.5m.
Last Complete Inspection Date		08-Sep-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			Not visible.
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			3	3	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1600)						
					Cap scaling, loss of section.	
(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				6	6	
Greatest Height (m)		2.50				
Wingwalls				5	5	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				6	6	
Paint/Coating				3	4	
Abutment Stability				5	5	Scabs installed up to 700mm below cap installed to low to be effective.
Scour/Erosion				7	7	
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	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Gentle bend U/S.
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		5	5	Immediately upstream undermining bank - minor.
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	2010	NW missing AB nut.					
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) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	51.9/51.7	Est. Repl. Yr	2028	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor G9 underside cracks/delams and cap corrosion.		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							