

Bridge Inspection											
Bridge File Number	73644 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1993/1993				Lot No.	2					
Bridge or Town Name	WHITECOURT				Inspector Name	Wade Nanninga					
Located Over	BULL CREEK, 8.11.100, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	658:02 C1 1.508				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	17-Jun-2010					
Legal Land Location	NE SEC 1 TWP 59 RGE 10 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-115:21:50, 54:04:39				Data Entry Date	19-Jul-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA12				Review Date	13-Jul-2010					
Clear Roadway/Skew	10.4 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	1,130 / 2009 (A)				Dept. Review Date	22-Jul-2010					
Road Classification	RCU-208-110				Follow-Up By						
Detour Length (km)	14										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CS750									----> 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)	Yes									
Remarks										
Other Sign Types										

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

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Insufficient posts. Crew on site at time of inspection replacing approach guardrail post from creasote to green. Not upgrading to meet standard.				
Vertical Alignment			9	9					
Roadway Width (m)			8.100		Bump at both ends.				
Approach Bump			8	5					
Guardrail (Y/N)			Yes		creased but still functional.				
Guardrail			7	6					
Length (m)			22.800						
Current Standard (Y/N)			No						
Termination Type			Turned Down		Windrows under approach rail.				
Drainage			8	4					
<b>Approach Road General Rating</b>			<b>8</b>	<b>8</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 1 Spans, Lengths(m): 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			6	5	Cracked in 3 lines, leaking between girders at both sides.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			8	7	
Drains Clogged (Y/N)					
Curbs/Median			4	5	Grader damage to curb on NW corner. Spalled at base of posts, West curb - photo.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			9	8	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			4	8	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			9	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			4	5	Hairline longitudinal crack on curb unit fascia approx 200mm above bottom. Longitudinal crack with efflorescence staining full length G10 and G1. Narrow V typ SC crack on G6 less than 0.5m-no staining.
Last Complete Inspection Date		17-Jun-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>10</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>4</b>	<b>5</b>	

Substructure									
Bridge Component				Last	Now	Explanation of Condition			
<b>Abutments</b>									
(Extended Backwall Piles (Y/N) : Y)									
(Extended Backwall Piles Spacing(mm) : 1500)									
(Total Number of Caps/Corbels : 11:11)				3 caps (356x305) with a 50,75,100 & a 150mm plank (4 deep/8 total) on top - at each abutment - 22 total pieces.  Top 2 planks showing signs of rot. A1 subcap wide horiz. check.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
<b>Last</b>									
<b>Now</b>									
Bearing Seats/Caps/Corbels							7	4	
(Type : TREATED TIMBER)									
(Depth(mm) : 350)									
(Width(mm) : 305)									
Backwalls/Breastwalls							4	5	(2 cracked planks on North abutment at bottom, @ c/l & @ NW. 24/Nov/2003) Front sheathing extended and void filled with grout.-photo
Greatest Height (m)		3.00							
Wingwalls				6	6				
(Total Number of Bearing Piles : 7:7)				(Pile 7 North abutment minor split(5mm). A2P6 crushing from strut pressure - photo P1A2 stubbed with H-pile. P1A1 minor split-photo(5mm) All banding is broken or loose.					
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
<b>Last</b>							1		
<b>Now</b>	0	0	0				1		
Piles							3	3	
Paint/Coating							X	X	
Abutment Stability							7	7	
Scour/Erosion							7	7	
<b>Piers/Bents</b>									
(Type : )									
(Total Number of Caps/Corbels : )									
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
<b>Last</b>									
<b>Now</b>									
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)		
<b>Last</b>									
<b>Now</b>									
Pier Shaft/Piles							X	X	
Greatest Height (m)									

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Bracing/Struts/Sheathing		7	7	Struts
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>3</b>	<b>3</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Bend u/s.
(D/S Direction : <b>E</b> )				
Alignment		7	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</b>	

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	2012						
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Band split piles (3)					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>38.9/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>51.7/57.3</b>	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracked piles. Monitor cracking in G10, G6.		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	17-Sep-2013		Previous Inspection Date	01-Mar-2007			
Inspection Cycle (Default) (months)	39						
Comment							