

Bridge Inspection									
Bridge File Number	13023 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1982/1982				Lot No.	2			
Bridge or Town Name	BLUE RIDGE				Inspector Name	Kris Bosters			
Located Over	TRIBUTARY TO LITTLE PADDLE RIVER, 8.11.84.30.19.12, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	751:04 C1 19.733				Assistant Name	Brian Cote			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	15-Apr-2013			
Legal Land Location	SW SEC 2 TWP 59 RGE 10 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:24:05, 54:03:57				Data Entry Date	22-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA12				Review Date	21-Apr-2013			
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	400 / 2012 (A)				Dept. Review Date	23-Apr-2013			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	16								
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)	Yes								
Remarks	Not installed at proper location.								
Other Sign Types	Bump, Bull Creek, Stop Ahead.								
Utilities (Located at)									
Utility Attachments									
Telephone	West r/w.				Gas				
Power	1 wire 20m East of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Jct Hwy 43 approx 100m North. Entrance 40m South. Steep grade South, no passing.				
Vertical Alignment			7	7					
Roadway Width (m)	9.500				Damage to NE, SE & SW, minor. Insufficient number of posts. 8 broken or split posts - photo.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes								
Guardrail			3	3					
Length (m)	23.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SM, 1 Spans, Lengths(m): 8, 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	6	Long crack in ACP 3.2m from West curb length of bridge.	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)	Yes					
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			N	N		
Bump (Y/N)		No				
Deck Drainage			7	4	No drains. Drains off SW corner at birdge, eroding fill behind wingwall.	
Drains Clogged (Y/N)		No				
Curbs/Median			7	5	Plow damage with exposed rebar at SE.-photo	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			7	7		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
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						
Now						
Girders			6	4	Rust stains on underside from connectors on all girders. Photo of connection between G3, G4 where cracking on ACP occurring.	
Last Complete Inspection Date		18-Apr-2013				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 9)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			6	4		

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1200)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				7	7	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				8	8	
Greatest Height (m)		4.20				
Wingwalls				7	6	
Loss of fill behind wingwall due to drainage. Wingwall still functional as intended.						
(Total Number of Bearing Piles : 10:10)				All piles have B/W clamps 50mm from top. Wide split in P1 abutment 1 - photo.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				4	4	
Paint/Coating				X	X	
Abutment Stability				6	6	
Scour/Erosion				6	6	
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	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		6	6	Vertical banks u/s & d/s.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(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	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	2013	Replace 8 guardrail posts.					
OTHER ACTION	2013	Band 1 split pile.					
OTHER ACTION	2013	Seal crack in ACP					
OTHER ACTION	2013	Fix hazard markers to standard location.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/44.4	Sufficiency Rating (Last/Now) (%)	63.5/56.0	Est. Repl. Yr	2035	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor loss of fill behind wingwall.		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	Wade Nanninga		Previous Assistant's Name				
Next Inspection Date	15-Jul-2016		Previous Inspection Date	10-Nov-2009			
Inspection Cycle (Default) (months)	39						
Comment							