

Bridge Inspection									
Bridge File Number	84042 -2 Bridge				Form Type	TT			
Year Built/Year Supstr	2008/2008				Lot No.	4			
Bridge or Town Name	RIBBON CK TR				Inspector Name	Garry Roberts			
Located Over	TRAIL;RIBBON CREEK, 2.13.56.10, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	RIBBON CREEK TRAIL;TRAIL-PED, ON 50000 TR				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	13-Dec-2011			
Legal Land Location	SE SEC 4 TWP 23 RGE 9 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-115:11:28, 50:55:26				Data Entry Date	29-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	UNDEFINED CMA				Review Date	21-Dec-2011			
Clear Roadway/Skew	3.6 /				Dept. Reviewer Name	Tim Davies			
AADT/Year					Dept. Review Date	06-Feb-2012			
Road Classification					Follow-Up By				
Detour Length (km)	999								
Allowable Load (t):	Single			Semi			Train		----> On Critical Spans ---->Critical Member
Design Loading:									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)												
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)		In Advance (Y/N)	
Remarks	Not required.											
Required Load Posting (t)			Single			Semi			Truck Train			
Posted Loading (t)			Single			Semi			Truck Train			
Posted:	Lane	WB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)			
Posted:	Lane	EB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)			
Remarks	Not required.											
Hazard Marker At Bridge (Y/N)	No											
Remarks												
Other Sign Types	Not required.											

Utilities (Located at)										
Utility Attachments										
Telephone						Gas				
Power						Municipal				
Others						Problem (Y/N)				
Remarks	None visible.									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment			5	Hill and curve both ends- adequate for trail. 20m South of Ribbon Creek Trail and 4km West of Parking lot.
Vertical Alignment			5	
Roadway Width (m)	3.500			
Approach Bump			5	
Guardrail (Y/N)				
Guardrail			X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage			5	
<b>Approach Road General Rating</b>			<b>5</b>	

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : <b>XT, 2 Spans, Lengths(m): 9.7-3.3, 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 (%)	Snow covered.	
<b>Last</b>						
<b>Now</b>	100.0	0.0	0.0	0.0		
Wearing Surface/Deck Top						
(Material Type : <b>UNTREATED TIMBER;</b> )						
(Plank Thickness(mm) : <b>80</b> )						
(Plank Width(mm) : <b>250</b> )						
Deck Rideability						
					8	
Wheel Guards						
(Curb Type : )						
(Type : <b>COPPER CHROMATE ARSENATE TREATED TIMBER</b> )						
(Thickness(mm) : <b>100</b> )						
(Width(mm) : <b>100</b> )						
Bridge Rail						
					8	
(Type : )						
Bridge Rail Posts						
					8	
(Type : )						
Bridge Rail/Posts Coating						
					8	
(Type : )						
(No. of Stringers : <b>5;Null</b> )						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	2 log stringers under each wheel path are continuous to both abutment sills. 1 middle log terminates at South pier.	
<b>Last</b>					Average 300mm diameter.	
<b>Now</b>	0	0	0	0		
Stringers						
					8	
(Type : <b>TREATED TIMBER</b> )						
(Width(mm) : <b>300</b> )						
(Depth(mm) : <b>300</b> )						
(Spacing(mm) : <b>1000</b> )						
Sub Deck/Deck Underside						
					8	
(Material Type : <b>TREATED TIMBER;UNTREATED TIMBER</b> )						
(Plank Thickness(mm) : <b>80</b> )						
(Plank Width(mm) : <b>250</b> )						
Defects (Percent Area)						
		0				
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>						
					8	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
(Total Number of Caps/Corbels : 1:1)				200 x 510 T.T. cap sills at both abuts.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)			3 (count)
<b>Last</b>						
<b>Now</b>	0	0	0			0
Bearing Seats/Caps/Corbels						8
(Type : TREATED TIMBER)						
(Depth(mm) : 200)						
(Width(mm) : 510)						
Backwalls/Breastwalls			5			Log cribbing at North.
Greatest Height (m)		0.50				
Wingwalls			X			
(Total Number of Bearing Piles : 0:0)				On T.T. sills.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)			3 (count)
<b>Last</b>						
<b>Now</b>						
Piles						X
Paint/Coating						X
Abutment Stability						7
Scour/Erosion						7
<b>Piers/Bents</b>						T.T. pier cap on rock sill.
(Type : PIER-SOLID)						
(Total Number of Caps/Corbels : 1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				8		
(Type : )						
(Depth(mm) : 305)						
(Width(mm) : 305)						
(Total Number of Bearing Piles : 1)				T.T sill on rock outcrop with 1 vertical T.T. block.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)			3 (count)
<b>Last</b>						
<b>Now</b>	0	0	0			0
Pier Shaft/Piles						7
Greatest Height (m)		2.30				
Bracing/Struts/Sheathing						X
Nose Plate						X
Paint/Coating						X
(Colour Description : )						
(Colour Code : )						
Pier Stability				7		
Scour				8		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
<b>Substructure General Rating</b>			<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment			6	
Bank Stability			6	
HWM (m below Top of Curb)				No visible HWM. Minor along banks.
Drift (Y/N)	Yes			
Slope Protection			7	Natural and placed rock.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs			X	
Adequacy of Opening			7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>			<b>6</b>	
<b>Grade Separation</b>				
Road Alignment			X	Stream crossing only.
Traffic Safety Features			X	
Type				
Slope Protection			X	
(Type : <b>RIP RAP; RIP RAP</b> )				
Bank Stability			X	
Drainage			X	
<b>Grade Separation General Rating</b>			<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
PATCH DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/52.4</b>	Est. Repl. Yr	2060	Maint. Reqd. (Y/N)	No
Special Comments for Next Inspection			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			Previous Assistant's Name				
Next Inspection Date	13-Sep-2016		Previous Inspection Date				
Inspection Cycle (Default) (months)	57						
Comment							