

Bridge Inspection										
Bridge File Number	84041 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1980/1980				Lot No.	4				
Bridge or Town Name	RIBBON CK TR				Inspector Name	Garry Roberts				
Located Over	OVER TR;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	SW SEC 3 TWP 23 RGE 9 W5M				Data Entry By	Erin Roberts				
Longitude, Latitude	-115:10:50, 50:55:29				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	3.5 / -30 deg. (LHF)				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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	EB	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										

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	5	Pedestrian trail bridge. Ribbon Creek Trail. Alignment adequate for use. Bridge behind locked gates. 3km from Ribbon Parking Lot.						
Vertical Alignment		5	5							
Roadway Width (m)		3.000								
Approach Bump		5	5							
Guardrail (Y/N)										
Guardrail		X	5							
Length (m)										
Current Standard (Y/N)										
Termination Type										
Drainage		7	5							

Approach Road					
			Last	Now	Explanation of Condition
Approach Road General Rating			5	5	
Superstructure					
Bridge Component			Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 15.8, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	100				
Now	100.0	0.0	0.0	0.0	
Wearing Surface			N	N	150 x 40mm CCA timber. Snow & Ice covered
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)					
(Thickness(mm) : 75)					
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			8	7	
Drains Clogged (Y/N)		No			
Curbs/Median			8	7	200 x 70 CCA timber wheelguard.
(Curb Type :)					
Scaling (Percent Area)		0			
Bridge Rail			8	7	130mm diameter CCA Timber
(Type :)					
Bridge Rail Posts			8	7	
(Type :)					
Bridge Rail/Posts Coating			X	7	
(Type :)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	2 - 355mm x 205mm steel "I" beams.
Flange			8	8	
Web			9	8	Diaphragms are welded to girder webs.
Stiffeners			X	X	
Splice			X	X	
Weld			X	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 15.8, A-Ident Number:)				
Diaphragms/Cross Frame		9	8	
Paint Condition		5	5	Isolated minor corrosion on webs. Surface corrosion on bottom flanges. Grey.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		4	5	One bolt sheared @ NW. Still functional.
Temperature (deg. C)	-9			
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	7	200 x 70 CCA timber subdeck.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	8	
Wingwalls		9	8	
Piles		X	X	
Paint/Coating		X	X	
Abutment Stability		9	8	
Scour/Erosion		9	7	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	No			
Substructure General Rating		9	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		8	7	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		9	7	
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	
Grade Separation				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type				
Slope Protection		X	X	stream crossing only
(Type : RIP RAP)				
Bank Stability		X	X	
Drainage		X	X	
Grade Separation General Rating		5	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	94.4/72.2	Sufficiency Rating (Last/Now) (%)	55.4/47.2	Est. Repl. Yr	2030	Maint. Req. (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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	13-Mar-2015		Previous Inspection Date	22-Oct-2008			
Inspection Cycle (Default) (months)	39						
Comment							