

Bridge Inspection									
Bridge File Number	79721 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1990/1990				Lot No.	3			
Bridge or Town Name	COCHRANE				Inspector Name	Garry Roberts			
Located Over	FALLENTIMBER CREEK, 3.101, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Mar-2012			
Legal Land Location	NE SEC 17 TWP 29 RGE 8 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-115:04:57, 51:29:08				Data Entry Date	26-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	UNDEFINED CMA				Review Date	07-Mar-2012			
Clear Roadway/Skew	4 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	30 / 1991 (E)				Dept. Review Date	29-Mar-2012			
Road Classification	RLU-207G-60				Follow-Up By				
Detour Length (km)	999								
Allowable Load (t):	Single	CS1 18	Semi	CS2 30	Train	CS3 48	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> Primary Span		

Posting Information									
Required Load Posting (t)	Single	18	Semi	30.0	Truck Train	48			
Posted Loading (t)	Single	18.0	Semi	30.0	Truck Train	48.0			
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	Yes	
Posted:	Lane	WB	At Junction (Y/N)	Yes	In Advance (Y/N)	No	At Bridge (Y/N)	Yes	
Remarks									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	ONE LANE BRIDGE.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks	None visible								

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		4	4	Curves at both sides with grade to East.					
Vertical Alignment		4	4						
Roadway Width (m)	6.000			Gravel.					
Approach Bump		5	5						
Guardrail (Y/N)	Yes			Minor damage, still functioning					
Guardrail		4	3						
Length (m)	11.400			Type VI @ NE corner					
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage		7	7	Not thriebeam					
Approach Road General Rating		4	4						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 1 Spans, Lengths(m): 15.2, A-Ident Number: A0999-43;A9999-48)						
Special Features						
Special Feature						
(Type :)						
Special Feature						
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	50	0	0	0		
Now	90.0	0.0	0.0	0.0		
Wearing Surface			5	N	Snow covered. Visible areas appear adequate. PR 5	
(Material Type : UNTREATED TIMBER)						
(Thickness(mm) : 75)						
Deck Top			N	N		
Deck Rideability			5	5		
Deck Joints			X	X		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			6	6	On down grade to West.	
Drains Clogged (Y/N)		No				
Curbs/Median			5	N	Snow covered - viewed from exterior Appears replaced from what can be seen	
(Curb Type : Standard)						
Scaling (Percent Area)						
Bridge Rail			6	6	100 X 100 HSS Tube rail behind double layer flex beam. Minor corrosion	
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts		6	6			
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating		4	4			
(Type : PAINT)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X		
Flange			7	7		
Web			7	7		
Stiffeners			X	X		
Splice			X	X		
Weld			7	7		
Diaphragms/Cross Frame			7	7		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 15.2, A-Ident Number: A0999-43;A9999-48)				
Paint Condition		4	4	40% faded or failed-pitting @ bottom of web & bottom flanges.
(Colour Description : YELLOW)				
(Colour Code : 13538)				
Touchup Required (Y/N)	No			
Bearings		6	6	Bearing on steel corbel & girders on steel cap. East end is on timber mud sill. Exp at West.
Temperature (deg. C)	-3			
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	No			
Deck Underside		7	6	200 x 500 TT Subdeck
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	E. Abut. is on a TT mudsill
(Type : STEEL)				
Backwalls/Breastwalls		7	7	
Wingwalls		5	5	Blocking @ SW wing to pile rotted @ Top.
Piles		7	7	
Paint/Coating		5	X	Steel caps not coated
Abutment Stability		7	7	
Scour/Erosion		5	5	Scour @ SW Wing - minor
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	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Pedestrian bridge 50m D/S.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		7	7	Outside corner of channel is bedrock.
HWM (m below Top of Curb)	1.5			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	
(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		5	5	

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	2012	Replace rotted block at SW wing					
OTHER ACTION	2012	Install block and reattach @ NW guardrail- replace 1 post at SE.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	39.3/39.3	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	01-Jun-2015		Previous Inspection Date	26-Nov-2010			
Inspection Cycle (Default) (months)	39						
Comment							