

Bridge Inspection									
Bridge File Number	71081 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1975/1975				Lot No.	2			
Bridge or Town Name	COCHRANE				Inspector Name	Garry Roberts			
Located Over	WAIPAROUS CREEK, 2.13.49.4, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	40:14 C1 35.839				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	26-Mar-2013			
Legal Land Location	NE SEC 1 TWP 28 RGE 8 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-114:59:29, 51:22:06				Data Entry Date	11-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	10-Apr-2013			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	380 / 2012 (A)				Dept. Review Date	06-May-2013			
Road Classification	RAU-208-110				Follow-Up By				
Detour Length (km)	20								
Allowable Load (t):	Single	CS1 40 GIRDER	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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	CURVE, MAX 30.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	Overhead at North Side and ROW.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5					
Vertical Alignment			6	6					
Roadway Width (m)	8.200				Gravel.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes				Missing 4 splice bolts at NW.				
Guardrail			4	4					
Length (m)	22.800				Not thrie beam.				
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			6	5	Minor ponding at SW from Spring melt.				
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 2 Spans, Lengths(m): 26.2-26.2, A-Ident Number:)					
Special Features					
Special Feature		7	7	4 lines per span.	
(Type : EXT LATER POST TENS)					
Special Feature		7	7		
(Type : UNDERSLUNG DIAPHR)				2 lines per span.	
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	20% gravel covered.
Last	10	0	0	0	
Now	20.0	0.0	0.0	0.0	
Wearing Surface		7	7		
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		7	6		
Deck Joints		6	3	Koch joint installed @ pier in 1999 is cracked with gaps to 80mm wide. Fixed joints @ abut sealed with asphaltic sealant. No leakage evident.	
Temperature (deg. C)		5			
(Expansion Type : THERMOPLASTIC POLYMER)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage		6	6		
Drains Clogged (Y/N)		No			
Curbs/Median		7	7	Koch joint cracked over curb joint.	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		8	8	3 post A/B nuts with less than full thread. Minor corrosion.	
(Type : BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating		5	5		
(Type : PAINT)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		6	6	Typical narrow to wide chamfer cracks and bottom half web cracks, no change from 1998 inspection.	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 14)					
Diaphragms/Cross Frame		6	6	Minor cracking in diaphragms.	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 2 Spans, Lengths(m): 26.2-26.2, A-Ident Number:)				
Bearings		7	7	
Temperature (deg. C)	5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	1			
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		7	7	Minor vertical cracks.
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		7	6	Minor settlement under abuts, most from animals digging.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Minor corrosion.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	5.0			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		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Repair/seal koch joint.					
RESET/ PAINT BEARINGS							
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) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	70.0/70.0	Est. Repl. Yr	2033	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	26-Dec-2014		Previous Inspection Date	14-Jun-2011			
Inspection Cycle (Default) (months)	21						
Comment							