

Bridge Inspection									
Bridge File Number	79725 -1 Bridge				Form Type	PT			
Year Built/Year Supstr	1929/1929				Lot No.	3			
Bridge or Town Name	COCHRANE				Inspector Name	Garry Roberts			
Located Over	NORTH BURNT TIMBER CREEK, 3.106.2, 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	SE SEC 9 TWP 30 RGE 9 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-115:12:06, 51:32:58				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	4.9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	30 / 2011 (E)				Dept. Review Date	29-Mar-2012			
Road Classification	RLU-207G-60				Follow-Up By				
Detour Length (km)	999								
Allowable Load (t):	Single	H 18 STRINGER	Semi	HS 32 STRINGER	Train	CS3 48 STRINGER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS15						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single	18	Semi	32.0	Truck Train	48			
Posted Loading (t)	Single	18.0	Semi	32.0	Truck Train	48.0			
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	Yes	At Bridge (Y/N)	Yes	
Posted:	Lane	WB	At Junction (Y/N)	Yes	In Advance (Y/N)	Yes	At Bridge (Y/N)	Yes	
Remarks	W/B junction posting is 18-30-48								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Missing all but SE.								
Other Sign Types	ONE LANE BRIDGE, WINDING ROAD								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			3	3	Sharp curves & steep hills both ends.				
Vertical Alignment			3	3					
Roadway Width (m)	6.000								
Approach Bump			6	5					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			7	7					
Approach Road General Rating			3	3					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PT, 1 Spans, Lengths(m): 18.3, A-Ident Number: A0024-01)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	5	0	0	0	
Now	100.0	0.0	0.0	0.0	
Wearing Surface/Deck Top			6	N	Snow covered. PR 6.
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)					
(Plank Thickness(mm) : 75)					
(Plank Width(mm) : 305)					
Deck Rideability			6	6	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Curbs/Wheel Guards			7	N	Snow. PR 7.
(Curb Type : Standard)					
(Type : TREATED TIMBER)					
(Thickness(mm) : 100)					
(Width(mm) : 305)					
Bridge Rail			5	5	
(Type : LATTICE)					
Bridge Rail Posts/Blocking			7	7	
(Type :)					
Bridge Rail/Posts Coating			5	5	
(Type : PAINT)					
Sidewalk			X	X	

Superstructure						
Bridge Component		Last		Now		Explanation of Condition
(Primary Span : PT, 1 Spans, Lengths(m): 18.3, A-Ident Number: A0024-01)						
Wide Load Damage (Y/N)		No				12mm SWEEP IN S TOP CHORD Local upward 20mm bed @ L0 - L1S 5 bays x 8/bay Multiple bullet holes U1L1N, U2m1S, U5L2S, L1L2N, Bay 5 North stringer , U2L2N, U5L3N. For details see 2011 UT Report
Top Chord		7		7		
Batter Posts		7		7		
Diagonals		7		7		
Verticals		7		7		
Connections		7		7		
Floor Beams		7		7		
Bottom Chord		5		5		
Lateral Bracings		7		7		
(No. of Stringers : 40)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers		7		7		
(Type : STEEL)						
(Width(mm) : 110)						
(Depth(mm) : 230)						
(Spacing(mm) : 737)						
Paint Condition		4		4		Truss paint is good but floor system has approx. 10% failure.
(Colour Description : RED)						
(Colour Code : 21310)						
Touchup Required (Y/N)		No				
Bearings		5		6		A1 West A2 East
Temperature (deg. C)		-3				
(Expansion Type : SLIDING PLATE)						
(Fixed Type : PINNED BEARING)						
Functioning (Y/N)		Yes				
Sub Deck/Deck Underside		8		7		
(Material Type : UNTREATED TIMBER)						
(Plank Thickness(mm) : 100)						
(Plank Width(mm) : 300)						
Defects (Percent Area)		0				
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating		5		5		
Substructure						
Bridge Component		Last		Now		Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						

Substructure								
Bridge Component		Last	Now	Explanation of Condition				
(Total Number of Caps/Corbels : 8:8)				Top cap is TT.				
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last	0	0	0				0	
Now	0	0	0				0	
Bearing Seats/Caps/Corbels			5				6	
(Type : STEEL)								
(Depth(mm) : 305)								
(Width(mm) : 305)								
Backwalls/Breastwalls			6				6	
Greatest Height (m)		1.50						
Wingwalls			5	5				
(Total Number of Bearing Piles : 9:9)				West piles partially buried in Rip Rap				
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last	8	0	0				0	
Now	0	0	0				0	
Piles			7				7	
Paint/Coating			4				X	
Abutment Stability			6				7	
Scour/Erosion			7				7	
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 :)								
(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 :)								
Pier Stability			X	X				
Scour			X	X				
Debris (Y/N)		Yes		Timber caught in Rip Rap				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		5	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.5			Loose drift caught downstream
Drift (Y/N)	Yes			
Slope Protection		7	7	Class 2
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		7	7	Along NE bank
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
PATCH DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2012	Remove plank and piles from RipRap					
OTHER ACTION	2012	Drill out bullet holes and install bolt at U1L1N, U2m1S, U3L2S, L1L2N, U2L2N, U3L3N, Bay 5 North stringer					
OTHER ACTION	2012	Replace missing HM's and posted loading signs.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/61.1	Sufficiency Rating (Last/Now) (%)	34.1/35.0	Est. Repl. Yr	2025	Maint. Req'd. (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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	01-Jun-2015		Previous Inspection Date	21-Jun-2011			
Inspection Cycle (Default) (months)	39						
Comment							