

Bridge Inspection							
Bridge File Number	79724 -1 Bridge			Form Type	PT		
Year Built/Year Supstr	1982/1926			Lot No.	3		
Bridge or Town Name	COCHRANE			Inspector Name	Garry Roberts		
Located Over	BURNT TIMBER CREEK, 3.106, 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 3 TWP 30 RGE 9 W5M			Data Entry By	Erin Roberts		
Longitude, Latitude	-115:10:52, 51:32:16			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		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)	No	In Advance (Y/N)	Yes	At Bridge (Y/N) Yes
Remarks	W/B junction posting is 18-30-48 T						

Hazard Marker At Bridge (Y/N)	Yes						
Remarks	NE damaged, missing at NW						
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	RIVER FORD @ SOUTH
Roadway Width (m)	6.000			Gravel.
Approach Bump		4	5	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		5	6	
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: A0024-31)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	20% snow covered.
Last	5	0	0	0	
Now	20.0	0.0	0.0	0.0	
Wearing Surface/Deck Top			6	6	Minor wear @ wheel lines.
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)					
(Plank Thickness(mm) : 75)					
(Plank Width(mm) : 300)					
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Curbs/Wheel Guards			4	N	(1 block rotted at NE corner) Snow.
(Curb Type : Standard)					
(Type : TREATED TIMBER)					
(Thickness(mm) : 100)					
(Width(mm) : 305)					
Bridge Rail			5	5	Minor bends but functional. Steel posts-no blocking Approximately 10% paint failure.
(Type : STEEL LATTICE)					
Bridge Rail Posts/Blocking			7	7	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(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: A0024-31)						
Wide Load Damage (Y/N)		No				North top chord sweep 29mm in South top chord sweep 19mm out U1L2S 20mm bends & gusset @ L2-20 mm bends 4mm SEPARATION @ GUSSET TO CLIP @ L3S BOTTOM CHORD SWEPT 40 mm @ L1-L2N & BENT 75 mm @ OUTSIDE ANGLE @ L3-L4S. BOTTOM CHORD REPLACED @ L0 TO L3S-
Top Chord				4	5	
Batter Posts				7	7	
Diagonals				5	5	
Verticals				7	7	
Connections				5	5	
Floor Beams				7	7	
Bottom Chord				4	5	
Lateral Bracings				5	5	
(No. of Stringers : 40)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers				7	5	
(Type : STEEL)						
(Width(mm) : 230)						
(Depth(mm) : 110)						
(Spacing(mm) : 740)						
Paint Condition				4	4	50% paint failure bottom laterals, the rest is 5%. SOME NEW BOLTS NOT PAINTED.
(Colour Description : RED)						
(Colour Code : 21310)						
Touchup Required (Y/N)		No				
Bearings				4	5	Bolts broken @ East abut Bearings- still functional. A2 A1
Temperature (deg. C)		-3				
(Expansion Type : SLIDING PLATE)						
(Fixed Type : PINNED BEARING)						
Functioning (Y/N)		No				
Sub Deck/Deck Underside				8	7	
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 290)						
(Plank Width(mm) : 100)						
Defects (Percent Area)		0				
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				4	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 : 9:9)				Top cap is TT.				
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last	4	0	0				0	
Now	0	0	0				0	
Bearing Seats/Caps/Corbels			8				7	
(Type : STEEL)								
(Depth(mm) : 305)								
(Width(mm) : 305)								
Backwalls/Breastwalls			7				7	
Greatest Height (m)		1.80						
Wingwalls			5	5				
(Total Number of Bearing Piles : 9:9)				Partially buried in riprap.				
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last	12	0	0				0	
Now	0	0	0				0	
Piles			7				6	
Paint/Coating			4				X	
Abutment Stability			7				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)		No						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		7	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.2			No visible HWM.
Drift (Y/N)	No			
Slope Protection		7	7	Class 2
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		4	4	APPEARS DRIFT HAS DAMAGED BOTTOM CHORDS. (THE OPENING DOES NOT ALLOW FREEBOARD TO PASS DRIFT)
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

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							
OTHER ACTION	2012	Install HM at NW corner					
OTHER ACTION	2012	Replace end WG block at NE corner					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	32.9/33.5	Est. Repl. Yr	2023	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	01-Jun-2015		Previous Inspection Date	21-Jun-2011			
Inspection Cycle (Default) (months)	39						
Comment							