

Bridge Inspection							
Bridge File Number	79723 -1 Bridge			Form Type	SG		
Year Built/Year Supstr	1982/1982			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	SW SEC 13 TWP 29 RGE 9 W5M			Data Entry By	Erin Roberts		
Longitude, Latitude	-115:08:26, 51:28:38			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	5.5 /			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	H 21 GIRDER	Semi	HS 29 GIRDER	Train	CS3 52 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> Primary Span

Posting Information							
Required Load Posting (t)	Single	22	Semi		Truck Train	52	
Posted Loading (t)	Single	22.0	Semi	30.0	Truck Train	52.0	
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 T						

Hazard Marker At Bridge (Y/N)	Yes
Remarks	Missing at SE.
Other Sign Types	ONE LANE BRIDGE.

Utilities (Located at)			
Utility Attachments			
Telephone		Gas	
Power		Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
	Last	Now	Explanation of Condition	
Horizontal Alignment	4	4	Curves & hill at both ends, steep grades and sharp curves.	
Vertical Alignment	3	3		
Roadway Width (m)	6.000		Gravel.	
Approach Bump	6	5		
Guardrail (Y/N)	No			
Guardrail	X	X		
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage	6	6		
Approach Road General Rating	3	3		

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RB, 1 Spans, Lengths(m): 12.2, A-Ident Number: A0004-04)						
Special Features						
Special Feature						
(Type :)						
Special Feature						
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	100	0	0	0		
Now	100.0	0.0	0.0	0.0		
Wearing Surface			N	N	Snow	
(Material Type : UNTREATED TIMBER)						
(Thickness(mm) : 75)						
Deck Top			N	N		
Deck Rideability			6	6		
Deck Joints			X	X		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			6	6		
Drains Clogged (Y/N)		No				
Curbs/Median			N	N	snow	
(Curb Type : Standard)						
Scaling (Percent Area)						
Bridge Rail			5	5		
(Type : STEEL LATTICE)						
Bridge Rail Posts			6	6	10% SURFACE CORROSION	
(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			X	X		
Diaphragms/Cross Frame			7	7		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 1 Spans, Lengths(m): 12.2, A-Ident Number: A0004-04)				
Paint Condition		4	4	Topcoat worn out on bottom flanges. 10% rust.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		7	7	Girders are shimmed to put slight crown in deck.
Temperature (deg. C)	-3			
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	5			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : STEEL)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		7	7	
Paint/Coating		4	5	
Abutment Stability		7	7	
Scour/Erosion		7	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	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
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		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							
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	2012	Install SE hazard marker.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	47.9/47.9	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	01-Jun-2015		Previous Inspection Date	28-Jan-2009			
Inspection Cycle (Default) (months)	39						
Comment							