

Bridge Inspection									
Bridge File Number	71697 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1986/1986				Lot No.	2			
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	NW SEC 16 TWP 29 RGE 8 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-115:04:28, 51:29:18				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	11.6 / 15 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year					Dept. Review Date	29-Mar-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	999								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS300						----> 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)		In Advance (Y/N)		At Bridge (Y/N)		
Posted:	Lane	SB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		
Remarks	Not Required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not Required.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			7	6	Curves and hills both ends.				
Vertical Alignment			6	6					
Roadway Width (m)	10.000				Gravel.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes				ONE LOWER BOLT MISSING @ FLEXBEAM TO BRIDGERAIL CONNECTION @ SW.				
Guardrail			5	4					
Length (m)	65.000				Missing 1 post bolt nut at NW and 6 splice bolts at NE. Not thriebeam.				
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			5	6					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : DBT, 1 Spans, Lengths(m): 38, A-Ident Number: )						
<b>Special Features</b>						
Special Feature						
(Type : )						
Special Feature						
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Gravel & Snow @ 90%	
<b>Last</b>	40					
<b>Now</b>	90.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type : )						
(Thickness(mm) : )						
Lateral Connection Problem (Y/N)		No				
Deck Top			7	N	Snow.	
Deck Rideability			8	8		
Deck Joints			N	7	(STEEL BUFFER ANGLES)	
Temperature (deg. C)		-3			Ice & Snow covered	
(Expansion Type : )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
Deck Drainage			6	4	Drain extension broken off at SW.	
Drains Clogged (Y/N)		No				
Curbs/Median			N	N	(Vertical medium width cracked & staining @ posts) Snow.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			9	8	Snow covering bases.	
(Type : <b>STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			N	N		
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			8	7		
(Type : )						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Girders			4	4	Typical cracking at girder ends. Marked reference at cracks at NW corner. EXTEND INTO NARROW WEB SECTION.	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : <b>9</b> )						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 1 Spans, Lengths(m): 38, A-Ident Number: )				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	
Temperature (deg. C)	-3			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		X	X	
Wingwalls		7	7	
Piles		N	N	Buried.
Paint/Coating		7	6	
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(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			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )		New pedestrian bridge u/s.		
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		5	6	
HWM (m below Top of Curb)	5.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	INSTALL ONE 16 mm DIA x 50 mm BOLT @ SW BRIDGERAIL TO FLEXBEAM CONNECTION.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Reinstall SW retrofit drain extension					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.6/64.4</b>	Est. Repl. Yr	2040	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							