

Bridge Inspection									
Bridge File Number	00521 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1987/1987				Lot No.	1			
Bridge or Town Name	COCHRANE				Inspector Name	Garry Roberts			
Located Over	BIGHILL CREEK, 2.13.42, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	1A:06 C1 13.630				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Sep-2012			
Legal Land Location	NW SEC 3 TWP 26 RGE 4 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-114:28:53, 51:11:44				Data Entry Date	03-Oct-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Joel Wozney			
Contract Main. Area	CMA28				Review Date	21-Sep-2012			
Clear Roadway/Skew	10 / 35 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	14,680 / 2011 (A)				Dept. Review Date	11-Oct-2012			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	15								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> Primary Span		

Posting Information									
Required Load Posting (t)	Single		Semi		Truck Train				
Posted Loading (t)	Single		Semi		Truck Train				
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types	Posted speed 60 km/hr.								

Utilities (Located at)									
Utility Attachments									
Telephone	North r/w.				Gas				
Power					Municipal				
Others	Fibre optics in South ROW.				Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		6	6	Major intersection approx 400m West.					
Vertical Alignment		7	6						
Roadway Width (m)	8.800								
Approach Bump		7	8	Recently paved.					
Guardrail (Y/N)	Yes								
Guardrail		6	6	Not thriebeam.					
Length (m)	31.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage		7	7						
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 1 Spans, Lengths(m): 11, A-Ident Number: </b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			8	8	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>60</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			7	8	
Deck Joints			6	6	Tar sealed. Sawcuts.
Bump (Y/N)		No			
Deck Drainage			5	5	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		2			
Bridge Rail			7	7	Double layer.
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	1	
Girders			4	3	At NW & SE corners typical cracks - in bottom of ext girders. SE girder marked & Dated. Leakage between units causing staining @ connectors Worst areas patched some patches cracking  Corrosion stains @ wide cracks @ girder #4. Wide cracks at G2 and G8 with corrosion from connector pockets.
Last Complete Inspection Date		12-Sep-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>9</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>4</b>	<b>3</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : )						
(Width(mm) : )						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		3.20				
Wingwalls				6	5	
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	100	0	0	0		
<b>Now</b>	10	0	0	0		
Piles				N	N	
Paint/Coating				5	5	
Abutment Stability				7	7	
Scour/Erosion				7	7	
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				X	X	
(Type : )						
(Depth(mm) : )						
(Width(mm) : )						
(Total Number of Bearing Piles : )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
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 : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			1 old pile under bridge.
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				R x R crossing 50m D/S.
(D/S Direction : <b>S</b> )				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)	2.5			(April 12/09) No visible HWM.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Investigate and repair girder cracks G2, G4, G8.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>60.6/57.3</b>	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	12-Jun-2014		Previous Inspection Date	24-Nov-2010			
Inspection Cycle (Default) (months)	21						
Comment							