

Bridge Inspection									
Bridge File Number	13700 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1988/1988				Lot No.	4			
Bridge or Town Name	PINCHER CREEK				Inspector Name	Garry Roberts			
Located Over	PINCHER CREEK, 2.12.31, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	785:02 C1 2.917				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	29-Nov-2012			
Legal Land Location	NE SEC 25 TWP 6 RGE 30 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-113:54:17, 49:30:13				Data Entry Date	04-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA26				Review Date	06-Dec-2012			
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,890 / 2011 (A)				Dept. Review Date	08-Jan-2013			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	4								
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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	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									
Other Sign Types	Curve.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	West ditch.				Gas				
Power	North side, 2 wire 15 m.				Municipal				
Others	Fibre optics @ West. RW.				Problem (Y/N)		No		
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			6	6	Curves both ends.				
Vertical Alignment			7	7					
Roadway Width (m)	9.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	12.000				Not thriebeam.				
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>WG, 3 Spans, Lengths(m): 12-14-12, A-Ident Number: A1104-01</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		5	5	Some transverse cracks- sealed. ACP heaved up to 50mm @ shoulders.	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Deck Top		N	N		
Deck Rideability		5	6		
Deck Joints		7	7		
Temperature (deg. C)		-6			
(Expansion Type : <b>ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
30		South abut			
20		North abut			
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		7	7	0.5 mm wide transverse cracks @ 1 to 2 m.	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail		8	8		
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts		8	8		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		7	7		
(Type : <b>GALVANIZED</b> )					
Sidewalk		X	X		
<b>Girder/Beam</b>					
Cover Plate		X	X		
Flange		8	8		
Web		8	8		
Stiffeners		8	8		
Splice		8	8		
Weld		8	8		
Diaphragms/Cross Frame		8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>WG, 3 Spans, Lengths(m): 12-14-12, A-Ident Number: A1104-01</b> )				
Paint Condition		X	X	Weathering steel.
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		8	8	P1 and P2.
Temperature (deg. C)	-6			
(Expansion Type : <b>REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL</b> )				
(Fixed Type : <b>ROCKER BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Efflorescence at transverse cracks at exterior.
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		X	7	Curtain walls.
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>5:5</b> )				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		8	8	Galvanized.
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<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> )				Curves at U/S starting to go behind rip rap.
(D/S Direction : <b>E</b> )				
Alignment		5	5	
Bank Stability		5	5	Cut banks at U/S & D/S.
HWM (m below Top of Curb)	3.2			No visible HWM.
Drift (Y/N)	No			
Slope Protection		8	8	Class 2 & 3 at banks and toe.
(Type : <b>CONCRETE; CONCRETE</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>5</b>	<b>5</b>	

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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>70.7/70.8</b>	Est. Repl. Yr	2048	Maint. Req. (Y/N)	No
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	29-Feb-2016		Previous Inspection Date	07-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							