

Bridge Inspection										
Bridge File Number	81826 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1988/1988				Lot No.	4				
Bridge or Town Name	PINCHER CREE				Inspector Name	Garry Roberts				
Located Over	OLDMAN RIVER, 2.12, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	785:02 C1 9.821				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	28-Nov-2012				
Legal Land Location	NW SEC 17 TWP 7 RGE 29 W4M				Data Entry By	Lauren Korte				
Longitude, Latitude	-113:54:21, 49:33:50				Data Entry Date	04-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA26				Review Date	06-Dec-2012				
Clear Roadway/Skew	9 / 9 deg. (RHF)				Dept. Reviewer Name	Tim Davies				
AADT/Year	420 / 2011 (A)				Dept. Review Date	08-Jan-2013				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	5									
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, 70 km/hr.									

Utilities (Located at)									
Utility Attachments									
Telephone	At SE & NE.				Gas				
Power	Light standards at East.				Municipal				
Others	4 wire 50 m to SE.				Problem (Y/N)	No			
Remarks	Power through East curb.								

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Sharp curve at North.					
Vertical Alignment		6	6	Oldman river dam control gates to East.					
Roadway Width (m)	9.000			30mm settlement at NE approach.					
Approach Bump		6	5						
Guardrail (Y/N)	Yes			75 mm I-beam & 150 x 150 HSS.					
Guardrail		6	6						
Length (m)	99.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage		7	7						
Approach Road General Rating		5	5						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : DBT, 9 Spans, Lengths(m): 14-16.9-16.1-15.9-15.9-15.9-16.1-16.9-14, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			7	6	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			7	7	
Deck Joints			4	4	Pier 5 gap 40 mm. Pier 6 gap 35 mm. ABUT 2A gap 35 mm. Abut 2 gap 30 mm. Missing curb cover plate bolts- Abut. 1-3 P1-4, P5-1, P6-2. Missing 2 joint cover plate bolts P5 at shoulder out of wheel path. Missing 1 sidewalk cover plate bolt P1.
Temperature (deg. C)		-6			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
40		Abut 1			
35		Abut 1A			
40		Pier 1			
45		Pier 2			
40		Pier 3			
40		Pier 4			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	2 post at Sp.6 East side with only 4 A/B but constructed that way. 1 post at NW with A/B nut not fully engaged.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			8	7	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	100	0	0	0	
Now	24	0	0	0	
Girders			N	7	Too far to see cracking with accuracy - No visible problems. Viewed from banks with binoculars.
Cracking (Y/N)					
Spalling (Percent Area)					
(Number Of Girders : 108)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 9 Spans, Lengths(m): 14-16.9-16.1-15.9-15.9-15.9-16.1-16.9-14, A-Ident Number:)				
Diaphragms/Cross Frame		N	7	50% viewed.
Bearings		N	N	Bearings viewed with binoculars from 50 m away on slopes.
Temperature (deg. C)				
(Expansion Type :)				
(Fixed Type :)				
Coating Adequate (Y/N)				
Functioning (Y/N)	Yes			
Deck Underside		N	N	Can't see deck underside without viewing from ice.
Stains (Percent Area)				
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		N	7	Not accessible except from ice. Massive abuts.
(Type : CONCRETE)				
Backwalls/Breastwalls		N	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		N	N	Too deep.
Piers/Bents				
(Type : PIER-SOLID)				7 spans on Piers.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0:0:0:0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		7	X	
Nose Plate		7	7	
Paint/Coating		X	5	Galvanized coating on nose plates.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		N	N	Too deep.
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Reservoir @ West - dam @ East.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	6	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)		No		
Slope Protection (Type : RIP RAP; RIP RAP)		7	8	Concrete spillway.
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	74.3/74.3	Est. Repl. Yr	2058	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	28-Feb-2016		Previous Inspection Date	07-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							