

Bridge Inspection							
Bridge File Number	02298 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1966/1966			Lot No.	1		
Bridge or Town Name	PINCHER CREEK			Inspector Name	Calvin Roberts		
Located Over	KETTLES CREEK, 2.12.31.4, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	507:04 C1 0.436			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	27-Nov-2012		
Legal Land Location	SE SEC 23 TWP 6 RGE 30 W4M			Data Entry By	Lauren Korte		
Longitude, Latitude	-113:55:50, 49:29:08			Data Entry Date	13-Dec-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	CMA26			Review Date	01-Dec-2012		
Clear Roadway/Skew	8.2 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	3,220 / 2011 (A)			Dept. Review Date	27-Dec-2012		
Road Classification	RLU-208-100			Follow-Up By			
Detour Length (km)	1						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20					----> 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							
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	North & South ditch.		Gas Exposed line hanging South side of
Power	2 line South ditch.		Municipal Check for water & sewage.
Others			Problem (Y/N) No
Remarks	Located in Pincher Creek.		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Business access both ends.
Vertical Alignment		7	7	
Roadway Width (m)	8.600			Radius all corners- wrong lap at SE.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	6.000			Not thriebeam.
Current Standard (Y/N)	No			
Termination Type	TURNOUT			
Drainage		7	7	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 1 Spans, Lengths(m): 8.5, 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			5	5	Only 130mm visible curb face indicating excessive 170mm ACP depth.
(Material Type : ACP)					
(Thickness(mm) : 170)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	Paved.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Corner heavily chipped. Exposed rebar NW corner.
(Curb Type : Standard)					
Scaling (Percent Area)					
Bridge Rail			6	6	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			5	5	
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			6	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			4	4	Vertical hairline cracking throughout from the South. Some spalling in the curb units. Girder # 5 has a punchout with exposed rebar 500mm x 300mm. A metal plate was placed over the holes before the decktop was paved. G8-600mm X 300mm punchout, exposed rebar but also has steel plate. The lift hooks in the top of the curb, is exposed South side.
Last Complete Inspection Date		27-Nov-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
(Extended Backwall Piles (Y/N) : N)									
(Extended Backwall Piles Spacing(mm) :)									
(Total Number of Caps/Corbels : 5:5)				Rot at ends of SW and SE top caps (photo).					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last	0	0	0				2		
Now	0	0	0				2		
Bearing Seats/Caps/Corbels							3	3	
(Type : TREATED TIMBER)									
(Depth(mm) : 300)									
(Width(mm) : 300)									
Backwalls/Breastwalls			5				5		
Greatest Height (m)		3.20							
Wingwalls			5	5	Checks at most piles- some wide.				
(Total Number of Bearing Piles : 8:8)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last	0	0	0	0					
Now	0	0	0	0					
Piles				4			4		
Paint/Coating				X			X		
Abutment Stability				5			5		
Scour/Erosion				5			5		
Piers/Bents									
(Type :)									
(Total Number of Caps/Corbels :)									
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
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)					
Last									
Now									
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)	No			
Substructure General Rating		3	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		4	4	Erosion downstream and upstream.
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2013	Patch NW Corner.					
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS	2013	Core caps and piles and act on results.					
REPAIR/REPLACE TIMBER CAPS	2013	Replace all caps.					
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Assess for bridge replacement vs. cap replacement- depending on coring results.					
OTHER ACTION	2013	Grout in the lift hooks on the top of the South curb.					
OTHER ACTION	2013	Repair punchouts.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	53.2/53.2	Est. Repl. Yr	2015	Maint. Reqd. (Y/N)	Yes
Special Comments for Next Inspection	ERY may change depending on pile condition after coring.		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	27-Feb-2016		Previous Inspection Date	10-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							