

Bridge Inspection							
Bridge File Number	00759 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1955/1955			Lot No.	1		
Bridge or Town Name	PINCHER CREEK			Inspector Name	Calvin Roberts		
Located Over	INDIANFARM CREEK, 2.12.31.2, WATERCRS-ST			Inspector Class	BR CLS B		
Located On	507:04 C1 8.855			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	27-Nov-2012		
Legal Land Location	SE SEC 16 TWP 6 RGE 29 W4M			Data Entry By	Lauren Korte		
Longitude, Latitude	-113:50:36, 49:27:56			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	9.1 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	360 / 2011 (A)			Dept. Review Date	27-Dec-2012		
Road Classification	RLU-208-100			Follow-Up By			
Detour Length (km)	7						
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)	Yes						
Remarks							
Other Sign Types							

Utilities (Located at)			
Utility Attachments			
Telephone	South ditch.	Gas	
Power	2 Wire North Ditch.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Farm Approach 10m SW side.
Vertical Alignment		8	8	
Roadway Width (m)	8.300			Minor damage @ NW turndown. Curved access to approach SW side.  Not thriebeam.
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		4	6	
Length (m)	13.000			
Current Standard (Y/N)	No			
Termination Type	TURNDOWN			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>8</b>	<b>8</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>PG, 3 Spans, Lengths(m): 6.1-8.5-6.1, 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			6	6	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			N	N	Paved over.
Bump (Y/N)		Yes			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	4	Spalled on SW corner & NW curb and #1, #2 curb SE.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		15			
Bridge Rail			7	7	Missing 1 post at NW- 4x4 in place with 1 bolt only. Galvanized.
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts			3	3	
(Type : <b>TREATED TIMBER;TREATED TIMBER</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : <b>CREOSOTE</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			4	4	Grout poured between girders. Drift pin spalls on 5 units. Girder # 3 and 6, span 3 and Girder 10 span 1 have spalls with exposed rebar in one leg. Girder #4 span 3 has wide cracks in both legs in AZ.
Last Complete Inspection Date		27-Nov-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>36</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No		80mm gap between curb girder and G11, span 3. 3 of 4 lateral connector bolts missing.	
Horizontal (Y/N)		Yes			
<b>Superstructure General Rating</b>			<b>4</b>	<b>4</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )				The old abut timber are still under the bridge on the East side.		
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>3:3</b> )						
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			5			4
(Type : <b>TREATED TIMBER</b> )						
(Depth(mm) : <b>300</b> )						
(Width(mm) : <b>350</b> )						
Backwalls/Breastwalls			4	4	Some loss of material below backwall on the West side.	
Greatest Height (m)		1.70				
Wingwalls			6	6		
(Total Number of Bearing Piles : <b>8:8</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Piles			6	5		
Paint/Coating			X	X		
Abutment Stability			6	6		
Scour/Erosion			4	4	Steep and eroding at both headslopes.	
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )				Suspect rot in South cap, East pier.		
(Total Number of Caps/Corbels : <b>3:3</b> )						
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			5			4
(Type : <b>TREATED TIMBER</b> )						
(Depth(mm) : <b>300</b> )						
(Width(mm) : <b>350</b> )						
(Total Number of Bearing Piles : <b>8:8</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles			5	5		
Greatest Height (m)		5.10				
Bracing/Struts/Sheathing			5	5		
Nose Plate			X	X		
Paint/Coating			X	X		
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		5	5	
Scour		6	6	
Debris (Y/N)	Yes			Old piles in channel- old abut. East span.
<b>Substructure General Rating</b>		<b>5</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				Curves in and out.
(D/S Direction : <b>N</b> )				
Alignment		5	5	
Bank Stability		4	4	Some sluffing SE and NE side.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection (Type : <b>NATURAL; NATURAL</b> )		4	4	Eroding at both headslopes.
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</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	2013	Replace 4 lateral connector bolts in North curb, span 3.					
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS	2013	Caps and piles.					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>50.0/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>61.2/59.3</b>	Est. Repl. Yr	2020	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	27-Feb-2016		Previous Inspection Date	10-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							