

Bridge Inspection							
Bridge File Number	75059 -1 Bridge			Form Type	SG		
Year Built/Year Supstr	1960/1960			Lot No.	1		
Bridge or Town Name	PINCHER CREE			Inspector Name	Garry Roberts		
Located Over	MILL CREEK, 2.12.35.4, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	507:02 C1 19.158			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	29-Nov-2012		
Legal Land Location	NW SEC 18 TWP 6 RGE 1 W5M			Data Entry By	Kelsey Roberts		
Longitude, Latitude	-114:07:38, 49:28:25			Data Entry Date	03-Jan-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA26			Review Date	06-Dec-2012		
Clear Roadway/Skew	7.9 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	920 / 2011 (A)			Dept. Review Date	08-Jan-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	5						
Allowable Load (t):	Single	H 34 GIRDER	Semi	HS 54 GIRDER	Train	CS3 64 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 req.							
Hazard Marker At Bridge (Y/N)	Yes							
Remarks								
Other Sign Types	Mill Creek							

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	Conduit along, under S. curb		Gas
Power	South Row and crosses East		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Curve and hills both ends
Vertical Alignment		5	5	
Roadway Width (m)	8.800			Missing 4 splice bolts at SW Not thriebeam
Approach Bump		6	7	
Guardrail (Y/N)	Yes			
Guardrail		7	4	
Length (m)	12.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		6	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RB, 4 Spans, Lengths(m): 21.3-29.3-21.3-12.2, A-Ident Number: A0338-02;A0338-01)					
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	4	Extensive CRACKS. CHIPCOAT OVER ASPHALT -Most not sealed.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			N	N	Paved over
Deck Rideability			6	6	
Deck Joints			5	3	Double sliding plate @ west abut Buffer angles @ east abut Water through this open type joint is starting to cause surface corrosion @ the east span Girders. Retainer bar is displaced at P3 and A1 in WBL.
Temperature (deg. C)		-6			
(Expansion Type : SLIDING PLATES)					
(Fixed Type : BUFFER ANGLES)					
Gap Size (mm)		Gap Location			
20		E. abut			
85		E. pier			
60		W. abut			
Deck Drainage			4	4	Joints leaking onto girders and bearings.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Medium scaling on curb face throughout
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			6	6	Wide load gouges at isolated post bases Sp2- North curb. 3 A/B nuts insufficient thread at NE. 6 posts with minor wide load scrapes at north rail. 40% surface corrosion
(Type : STEEL BRIDGE TUBE)					
Bridge Rail Posts		4	4		
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating		4	4		
(Type : PAINT)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			7	7	Approx. 15mm sag in Sp.2
Flange			7	7	
Web			7	7	
Stiffeners			X	X	
Splice			7	7	
Weld			7	7	
Diaphragms/Cross Frame			7	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 4 Spans, Lengths(m): 21.3-29.3-21.3-12.2, A-Ident Number: A0338-02;A0338-01)				
Paint Condition		5	5	Isolated corrosion @ girder exterior @ bottom flange @ east span - minor
(Colour Description : GREEN)				
(Colour Code : 14090 ;))				
Touchup Required (Y/N)	No			
Bearings		6	6	A1, P2, A2 P1, P3 Light corrosion from joint leakage.
Temperature (deg. C)	-12			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Minor efflorescence @ span 2.
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		6	6	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Natural rock face @ east. Class 3 @ west.
(Type : RIP RAP; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2016	Replace 4 missing splice bolts at SW or upgrade to current standard.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2013	Crack seal deck					
OVERLAY DECK	2016	New HP or W/P membrane ACP					
REPAIR/REPLACE DECK JOINTS	2016						
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Repair loose joint bars A1 and P3.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	63.7/63.4	Est. Repl. Yr	2033	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Notified AT Leth office, Tim Davies of loose deck joint bars at A1 and P3 on Nov. 30, 2012.		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	11-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							