					Bridg	je Culve	ert Insp	ection						
Bridge File Number 71107 -1							Form T	Form Type CUL1						
Year Built	1	1953					Lot No			4				
Bridge or Town	Name 7	TWIN BUTTE				Inspec	tor Name		Jon Davies					
Principle of Town Name Town Name Town Name Located Over 2ND ORDE CK, 2.12.22  Located On 6:04 C1 14  Water Body CI./Year Navigabil. CI./Year Legal Land Location NW SEC 2  Longitude, Latitude -113:51:30  Road Authority Alberta Trace Contract Main. Area CMA26  Clear Roadway/Skew 10 /  AADT/Year 1,010 / 201  Road Classification RAU-211.8  Detour Length (km) 30  Bridge Culvert Information  Number of Culverts 1  Pipe # Barrel Span Special Features  Special Features Comment  Utility Attachments  Telephone West ditch and early and contract of the comment of the		DER TRIBUT				Inspector Class			BR CLS B					
			2.22.5.16.1.1, \	VATERC	RS-ST		Assista	nt Name						
		5:04 C1	14.191				Assista	int Class						
							Inspec	tion Date		30-Oct-2011				
		NA/ OF 6	2 00 TMD 0 D	DE 00 W/	48.4		Data E	ntry By		Alyssa Boynto	n			
				∍E 29 VV <sup>2</sup>	4IVI		Data E	ntry Date		28-Nov-2011				
,							Reviewer Name			Garry Roberts				
			Папъропацоп	(AII)			Review	/ Date		10-Nov-2011				
							Dept. Reviewer Name			Tim Davies				
			2010 (Δ)					Review Da	ate	01-Dec-2011				
			· · · · ·				Follow	-Up By						
			1.0 110				-							
										ı				
			 1											
Pipe #			Span			Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 [	MAIN	:	2000	2000		ВР	27.7					RECTANGLE		
Special Features														
-														
Litility Attachman	nto				Ut	ilities (L	_ocated	at)						
							Gas							
							Munici							
Power 1- Line East ditch						m (Y/N)	No							
Remarks							1 TODICI	11 (1/14)	140					
remane				Α	pproad	ch Road	l / Emb	ankment						
						Now	Explanation of Condition							
Horizontal Alignment				9	9	Field e	ntrance N	lorthea	st & Southwest					
Vertical Alignme	ent				7	7		curve with ch armou	_	sight distance.				
Roadway Width	(m)		10.000				14VV GIL	cirainiou	icu.					
- Troudinay Wilder	(''')		10.000											
Embankment					6	6	2.5:1 o	n West si	de.					
Sideslope (:1) 2.0						-								
(Height of Cov	/er(m) : 3	3.6)												
Guardrail (Y/N)			Yes											
Approach Road	d / Emba	ankmen	nt General Rat	ing	7	7	Vertica	l Alignme	nt gov	erns				
						Upstre	am End							
					Last	Now	Explan	ation of	Condi	tion				
Direction			W											
End Treatment (Concrete, Steel, Others, None)			_											
Headwall			7	6										
Collar				5	5	(Some	(Some cracks & vegetation growth.)							
Wingwalls				Х	X									
(Shape: )	(Shape: )													

			Llmotro	om End
Culvert Component		Last	Now	am End Explanation of Condition
Cutoff Wall		Last	Now	Explanation of Condition
Cuton Wan		^	IN	
Bevel End		4	4	Concrete, spalled cracked & delaminated @ South. Spall with
Heaving (mm)	0			exposed rebar @ North.
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	7	Ingrown.
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
Culvert Correspond				Ivert Barrel
Culvert Component	tion Code: MAINLO			Explanation of Condition
(Pipe # : 1, Primary Span, Loca		pan (mm	): 2000	, Kise (Inm): 2000, Type: BP)
Barrel Last Accessible Date	30-Oct-2011			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	5	Typical settlement cracks up sidewalls and across roof. Some
Measured Rise (mm)	2000			leaching.
Measured At Ring No.	1			Damage at joints.
Sag (mm)	0			
Percent Sag	0			
Sidewall		4	4	Scaled & delaminated @ SW. 5m x 1m area - no change
Measured Span (mm)	2000			
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0			
Floor		4	4	Up to 50mm deep abrasion @ floor.
Bulge (mm)	0			1
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		5	5	West seam has an edge spall on roof.
Separation (mm)	10			1
Longitudinal Seams		X	Х	
Total No. of Cracked Rings	0			1
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		X	Х	
		^	_ ^	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	7500			
Camber POS/ZERO/NEG	ZERO			

71107 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	): 2000	, Rise (mm): 2000, Type: BP)						
Ponding (Y/N)	No									
Fish Passage Adequacy		7	7							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		4	4							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		Е		East						
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall		7	6							
Collar			5	Cracked, vegetation through cracks.						
Wingwalls			Х							
(Shape: )										
Cutoff Wall			N							
Bevel End		5	5	Minor scaling and edge spalls.						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		7	7	Ingrown.						
(Type : <b>NATURAL</b> )										
(Avg. Rock Size(mm) : )										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Downstream End General Rating			5							
		S	tructur	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)		7								
Alignment			7							
Bank Stability			5	Vertical bank erosion 50m U/S						
HWM (m below Top of Culvert) 1.2										
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading  AGGRADING										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	·									
(Fish Compensation Measure 2 :	NONE)	5								
Channel General Rating			7							

			Mainter	nance Recommer	dations					
Inspector Recommendations	Yea	ır İnspe	ctor Comments		Department Com	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 44.4	44.4/44.4 Suffic (%)		fficiency Rating (Last/Now) )		Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Jase		ı		Previous	s Assistant's Name					
Next Inspection Date	30-Jul-2013	3		Previous	Inspection Date	29-Nov-2009				
Inspection Cycle (Default) (months)	21									
Comment										