					Bridg	e Culve	rt Insp	ection						
Bridge File Num	ber 7	76132 -	1 Bridge Culver	t			Form 7	уре		CUL1				
Year Built 1956					Lot No.				1					
Bridge or Town Name   SEVEN PERSON				Inspector			tor Name		Jon Davies					
Located Over TRIBUTAR 2.7.1.13.3.1			ARY TO WOLTAN COULEE,			Inspec	tor Class		BR CLS B					
Located On								Assistant Name						
Located On 887:04 C1 10.709  Water Body Cl./Year			C1 10.709					nt Class						
							Inspec	tion Date		25-Jun-2012				
Navigabil. Cl./Ye		C/M/ CE/	C 18 TWP 7 RG	YE 6 \\//\	Λ		Data E	ntry By		Lauren Korte				
Longitude, Latitu				DE 0 VV4IV	/1		Data E	ntry Date		25-Jul-2012				
			:03, 49:33:31	/			Reviewer Name			Garry Roberts				
Road Authority Alberta Tra Contract Main. Area CMA24			•	(AII)			Review Date			09-Jul-2012				
Clear Roadway/		8.1 /	<u>'</u>				Dept. Reviewer Name			Tim Davies				
AADT/Year		230 / 20	011 (Δ)	1 (Δ)				Review Da	ate	30-Jul-2012				
							Follow-Up By							
Road Classification RCU-209- Detour Length (km) 6		50 110												
Bridge Culvert														
Number of Culve		14.011	1											
	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 MAIN 2314 2552				SPE		59.4		152X51	3.5	ELLIPSE				
Special Features			VERT TIMBER	STRUTS	3	1								
Special Features														
·														
LICTO And I					Uti	lities (L	ocated.	at)						
Utility Attachmer	West R	00/4/					Gas							
Telephone	westr	OVV.						0.01						
Power  Others Fibre optic cable crosses 650m South.					Munici		No							
Remarks	FIDIE 0	plic car	Die Closses 030i	iii Soulii.			FIODIE	III ( 171 <b>N</b> )	INO					
Remarks				A	oproac	ch Road	l / Emb	ankment						
					Last	1	Explanation of Condition							
Horizontal Alignment			7	7	Incline North & South.									
Vertical Alignment		4	4											
		8.100												
Embankment					4	4	EROS	ON BOTH	H U/S 8	& D/S EMBAN	KMENTS.			
Sideslope (:1) 4.0		4.0												
(Height of Cov	er(m) : <b>5</b>	5.3)												
Guardrail (Y/N)			No											
Approach Road	d / Emba	ankmeı	nt General Rati	ing	4	4								
						Upstre	am End							
<b>Culvert Compo</b>	nent				Last	Now		ation of	Condi	tion				
Direction							East.							
End Treatment ( Others, None)	Concret	te, Stee	el, STEEL											
Headwall		Х	Х											
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape: )														
Cutoff Wall			Х	Х										

			Haratas	om Ford					
Culvert Component				am End Explanation of Condition					
Culvert Component		Last	Now 6	Explanation of Condition					
Bevel End	0	6	6						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	300								
Scour Protection		6	4	Rock displaced.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : <b>400</b> )									
Scour/Erosion		6	4	Loss of fill at bevel edges.					
Beavers (Y/N)	No								
Upstream End General Rating		6	4						
		Brid	dae Cu	lvert Barrel					
Culvert Component		_		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN Sn			· · ·					
Barrel Last Accessible Date	25-Jun-2012	a (11111	.,. 2014	, (). 2002, 13po. 01 L)					
Daniel Last Accessible Date	20-Juli*2012								
Special Features									
Special Feature		5	5	R2-17.					
(Type: VERT TIMBER STRUTS)	1		_						
Special Feature									
(Type:)									
Roof		4	3	Rise measured inside top and bottom of strut plates. Total addition of					
Measured Rise (mm)	2239			190mm for both timbers depth. R7 rise 2278 mm no change. R9 rise 2251 mm. Estimate no change in general roof shape relative to					
Measured At Ring No.	13			condition of struts.					
Sag (mm)	313								
Percent Sag	12								
Sidewall		2	2	No change at R9 2550mm.					
Measured Span (mm)	2712								
Measured At Ring No.	14								
Deflection (mm)	398								
Percent Deflection	17								
Floor	17	6	N	P.R 6 Water and silt.					
Bulge (mm)		0	I IN	1 .It o water and siit.					
Measured At Ring No.									
Abrasion (Y/N)	No								
	140								
Circumferential Seams	20	6	5						
Separation (mm)	<b>Z</b> U			Create in DO 44 and D42 47					
Longitudinal Seams	45	2	2	Cracks in R2-11 and R13-17.					
Total No. of Cracked Rings	15			R5, 9 and 14 have 2 cracked seams.					
Total No. of Rings with Two Cracked Seams	3			30mm remaining steel at R9 and R14.					
Min. Remaining Steel Between Cracks (mm)	30								
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	Yes								
Coating		5	5	Minor corrosion along floor.					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

		Bric	lge Cul	vert Barrel				
Culvert Component		Last Now		Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 2314	, Rise (mm): 2552, Type: SPE)				
Fish Passage Adequacy		6	6					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		5	5					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		3	3	1 point increase for struts.				
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction				West.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape : )								
Cutoff Wall		X	X					
Bevel End		5	5					
Heaving (mm)	100							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		5	5					
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : 250)								
Scour/Erosion		5	5					
Beavers (Y/N)	No							
Downstream End General Ratir	ng	5	5					
		s	tructur	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		5	5					
Bank Stability		7	7					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom AGGRADING Degrading/Aggrading								
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	5					

76132 -1 Bridge Culvert

		Mainten	ance Recommendations					
Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Та	rget Year	Est. Cost	Cat #
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING	3							
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUT	OFF							
REPAIR SEAMS								
OTHER ACTION	2012	Install liner or replace culver	t.					
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/N(%)	low) 33.3/3	Sufficiency Ratin	g (Last/Now) 37.7/35.8	Est. Repl. Yr	2015	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Esti	mated Total	1 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	25-Sep-2015		Previous Inspection Date	15-Jun-2009				
Inspection Cycle (Default) (months)	39							