					Bridg	e Culve	ert Insp	ection								
Bridge File Num	nber	72653	-1 Bridge Culve	rt			Form 1	Гуре		CUL1						
Year Built 1996							Lot No.			4						
Bridge or Town Name CARSTAIRS							Inspector Name			Owen Salava						
Located Over		CARS1	TAIRS CREEK,	3.33.21, V	NATE	RCRS-	Inspector Class			BR CLS A						
Located On		-	C1 7.234				Assistant Name									
Water Body Cl./	Year						Assistant Class			00.0-1.0044						
Navigabil. Cl./Y							Inspection Date 26-Oct-2011									
Legal Land Loc		NW SE	C 34 TWP 29 R	GE 1 W5	iМ		Data Entry By Marcia Chavez Data Entry Date 29-Nov-2011									
Longitude, Latit	ude	-114:04	4:19, 51:31:47	3 51·31·47						29-Nov-2011 John O'Brien						
Road Authority Alberta Tra			Transportation	(AIT)			Reviewer Name Review Date			14-Nov-2011						
Contract Main.	Area	CMA29)						Nama	1 1						
Clear Roadway	/Skew	12 / -6	deg. (LHF)	deg. (LHF)						Andrew Smikles 02-Dec-2011						
AADT/Year 4,290 / 20		2010 (A)				Follow	Review Da	aic	02-Dec-2011							
Road Classifica	tion	RAU-2	11.8-110				l Ollow	-ор Бу								
Detour Length (km)	11														
Bridge Culvert	Inform	ation														
Number of Culv	erts		1								1					
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape				
1	MAIN		-	3990		SP		43.9		152X51		ROUND				
Special Feature	S.															
Special Feature	s Comi	ment														
					Uti	ilities (L	ocated	at)								
Utility Attachme	nts															
Telephone	West	r/w.					Gas									
Power							Munici	pal								
Others	3 wire	30m E	ast of c/l.				Proble	m (Y/N)	No							
Remarks																
				A	Last	Now		ankment nation of		tion						
Horizontal Align	ment				7	7		ection 200								
Vertical Alignme					8	8		150m Soi		uı.						
Roadway Width			12.000		0	0										
Toadway Width			12.000			1										
Embankment					5	5	0.8m x	0.8m x 1	5m dit	ch erosion @ S	W, minor.					
Sideslope (4.0													
(Height of Cov	ver(m)	2.1)														
Guardrail (Y/N)			Yes			_										
Approach Roa	d / Eml	bankme	ent General Rat	ing	7	7										
						Upstre	am End									
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion						
Direction					W											
End Treatment Others, None)	(Concre	ete, Ste	el, CONCRETE			_										
Headwall					8	8										
Collar					7	7										
Wingwalls					Х	Х										
(Shape:)																
Cutoff Wall					N	N	Buried									

72653 -1 Bridge Culvert

	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		8	8								
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	900										
Scour Protection		8	8								
(Type : RIP RAP)											
(Avg. Rock Size(mm): 500)			1								
Scour/Erosion		8	8								
Beavers (Y/N)	No										
Upstream End General Rating		7	7								
		Brio	dge Cu	Ivert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 3990, Type: SP)							
Barrel Last Accessible Date	08-Feb-2010			(3990 span @ 1/3L. 03/11/13). 1.2m water; viewed from ends, shape looks good.							
Special Features											
Special Feature											
(Type:)											
Special Feature											
(Type:)											
Roof		8	N								
Measured Rise (mm)											
Measured At Ring No.											
Sag (mm)	0										
Percent Sag											
Sidewall		8	N								
Measured Span (mm)	3904										
Measured At Ring No.	6										
Deflection (mm)	86										
Percent Deflection	2										
Floor		N	N								
Bulge (mm)											
Measured At Ring No.											
Abrasion (Y/N)			1								
Circumferential Seams	1	8	N								
Separation (mm)	0		1								
Longitudinal Seams		8	N								
Total No. of Cracked Rings	0										
Cracked Seams				1N Stagger							
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N)	Yes										
Longitudinal Stagger (Y/N)	Yes			<u> </u>							
Coating		7	7								
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	No										
Camber POS/ZERO/NEG	NEG										
Ponding (Y/N)	No										

72653 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 3990, Type: SP)						
Fish Passage Adequacy		9	9							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		8	N	GR was 8 from 08Feb2010.						
g										
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		E								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar		X	X							
Wingwalls		X	X							
(Shape:)										
Cutoff Wall		Х	Х							
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	900									
Scour Protection		N	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 500)										
Scour/Erosion		N	8							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	8	8							
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		5	5	Bends 90 degree @ D/S. Well armoured. Railway bridge 50m U/S with larger opening.						
Bank Stability		6	6							
HWM (m below Top of Culvert)				No visible HWM.						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading	AGGRADING									
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :										
Channel General Rating		5	5							
Chainer Conoral Rating										

				Ма	intenance R	ecommen	dations							
Inspector Recommendations	Ye	Year Inspector Comments				Department Comments						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														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/N (%)	low) 88	v) 88.9/55.6		Sufficiency Rating (Last/Now) (%)		/Now)	83.9/65.9		st. Repl. Yr 2053		ľ	/laint. Re	eqd. (Y/N)	No
Special Comments for Next Inspection							Department Comments							
Maintenance Reviewed By							Date			E	Estima	ited Tota	ıl 0	
Proposed Long-Term Strategy														
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name Owe		lava				Previous	Assistant's Name							
Next Inspection Date 26-		13				Previous	Inspection Date		08-Feb-2010					
Inspection Cycle (Default) (months) 21														
Comment														