					Brida	o Culve	art Inen	action						
Bridge File Nu	mher	00462 -1 Bridge Culvert				Bridge Culve		ert Inspection Form Type		CUL1				
Bridge File Number 00462 -1 Bridge Culvert Year Built 1993						Lot No	- ''		4					
Bridge or Town Name CARDS		<u> </u>				Inspector Name			Jason Rusu					
Located Over	Tivallic		RDER TRIBUT	ARY TO B	RIII H	IORN	Inspector Class BR CLS A							
Localed Over			E, 2.12.22.12.				Assistant Name							
Located On		5:02 C1	C1 27.349				Assistant Class							
Water Body Cl./Year						Inspection Date			16-Oct-2011					
Navigabil. Cl./Year						Data Entry By			Alyssa Boynton					
0		SEC 5 TWD 3 DGE 26 WAM					ntry Date		21-Nov-2011					
Longitude, Latitude -113:		-113:28	113.28.31 /0.10.27					er Name		Garry Roberts				
Road Authority Alberta		Alberta	herta Transportation (AIT)					/ Date		09-Nov-2011				
Contract Main. Area CMA25		۸25					Reviewer	Name	Tim Davies					
Clear Roadway	y/Skew	21.5 / -	5 deg. (LHF)				Dept. Review Date		25-Nov-2011					
AADT/Year		1,290 /	2010 (A)				Follow	Follow-Up By						
Road Classific	ation	RAU-21	11.8-110				-							
Detour Length		3												
Bridge Culver		ation												
Number of Cul	1		1	D: /	. .	-				a -	DI (C)			
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2400		MP		115		125X26	3.5	ROUND		
Special Featur				1 - 1 - 1			110			1.20.20	10.0	11100111		
Special Featur		ment												
					Uti	ilities (L	ocated	at)						
Utility Attachm							1							
Telephone South ditch									es to west 100	m				
Power 1 wire N., 1 wire >			ire X road E.	X road E.			Municipal							
Others							Proble	m (Y/N)	No					
Remarks							175							
				Aļ			/ Embankment Explanation of Condition							
Harizantal Alignment					7	7	At end of curve to the west.							
	Horizontal Alignment Vertical Alignment				8	8	LRA int 30 m east. Crosses under local road-9 m WIDE							
			04.500				Crosse	s under l	ocal ro	ad-9 m WIDE				
Roadway Width (m)		21.500												
Embankment					N	5								
Sideslope (_	_:1)		4.0											
(Height of Co		: 5)												
Guardrail (Y/N			No											
Approach Roa	ad / Eml	bankme	nt General Rat	ting	7	7								
						Unstre	am End							
Culvert Comp	onent				Last	Now		ation of	Condi	tion				
Direction				S		South								
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall					Х	Х								
Collar	Collar				Х	Х								
Wingwalls				Х	X	(150mm dia drain pipe @ W side of bevel								
(Shape:)														
Cutoff Wall					Х	Х								

00462 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		N	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	50			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		N	7	
		-5.	dae G	Nyart Barral
Culvert Component			Now	Ivert Barrel Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	16-Oct-2011	Span (IIIII	.).	, idio (ililii). 2400, Type. Mr)
Daniel Last Accessible Date	10-001-2011			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type :)				
Roof		8	8	Pipe bends 37 deg NE 70 m from u/s
Measured Rise (mm)	2400			end and continues 48 m.
Measured At Ring No.	6			
Sag (mm)	0			
Percent Sag	1			
Sidewall		8	8	
Measured Span (mm)	2410			
Measured At Ring No.	6			
Deflection (mm)	10			
Percent Deflection	1			-
	'	N	7	
Floor Rulgo (mm)	0	N	/	
Bulge (mm) Maggured At Bing No.	U			
Measured At Ring No.	Voc			-
Abrasion (Y/N)	Yes	_	T -	
Circumferential Seams		7	7	-
Separation (mm)	30			
Longitudinal Seams	1	X	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		5	5	Superficial corrosion @ waterline @
Corrosion By Soil (Y/N)	No			u/s 1/4
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel									
Culvert Component				· ·					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 2400, Type: MP)					
Fish Passage Adequacy		X	6						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		8	8						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		N	11111	North					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar			Х						
Wingwalls			Х						
(Shape:)									
Cutoff Wall			X						
Bevel End			7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection		N	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 400)									
Scour/Erosion		N	7						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	N	7						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			5	(RIPRAP PROTECTING W DITCH OF ROAD ALLOWANCE TO THE SOUTH - U/S END) Jan-25-2008					
				STREAM CURVES @ U/S & D/S					
Bank Stability			6						
HWM (m below Top of Culvert)				None visible					
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading DEGRADING									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			5						

			Mainten	ance Recommen	dations					
Inspector Recommendations	Yea	ır İnspect	or 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) 88.9	9/88.9	Sufficiency Rating (%)	g (Last/Now)	79.8/83.9	Est. Repl. Yr	2036	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	Assistant's Name					
Next Inspection Date	16-Jul-2013	3		Previous	Inspection Date	20-Dec-2009				
Inspection Cycle (Default) (months)	21									
Comment										