Bridge File Number Year Built Bridge or Town Nar Located Over	74108 - 1999	1 Bridge Culve			C Gaive	Form T			CUL1			
Year Built Bridge or Town Nar		. Briago Carro	••			1 01111 1	,,,,		002.			
Bridge or Town Nar	1000					Lot No.		4				
	Name FOX CREEK							Russel Vanderschaaf				
				K.		Inspector Class		BR CLS B				
	8.10.58	.7.32.2.3, WAT	ERCRS-S	Τ΄		· ·	Assistant Name		31. 32.0 3			
Located On 43:10 R1 46.781;43:10 L1 46.798						Assistant Class						
Vater Body CI./Year						Inspection Date		28-Nov-2012				
Navigabil. Cl./Year							Data Entry By		Theresa Lacusta			
Legal Land Location	n NW SEC 29 TWP 62 RGE 19 W						ntry Date		17-Dec-2012			
Longitude, Latitude	ongitude, Latitude -116:48:56, 54:23:45						er Name		Eric Carcoux			
Road Authority	Alberta	Alberta Transportation (AIT)					Review Date		17-Dec-2012			
Contract Main. Area	a CMA03					Dept. Reviewer Name						
Clear Roadway/Ske	ew 35.3 / 2	0 deg. (RHF)							03-Jan-2013			
AADT/Year	5,430 /	2011 (A)			Follow-Up By			210	00 0011 2010			
Road Classification	RAD-41	12.4-120				Follow-op by						
Detour Length (km)	1											
Bridge Culvert Info	ormation											
Number of Culverts		1										
Pipe # Barr	rel	Span	Rise (or E	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 MAI	N	-	4610		SP		141.4		152X51	3.0,3.0,3.0	ROUND	
Special Features		STORM WATE	R DRAIN									
Special Features Co	omment											
							-					
				Uti	ilities (L	_ocated	at)					
Utility Attachments	,							Ι				
	r/w					Gas						
	vire o/h N r/	O/N IN I/W				Municip						
Others						Problen	n (Y/N)	No				
Remarks			Δ		-l- Daa	d / Emple o						
						Explan			tion			
Horizontal Alignmer	nt .			<u> </u>	7				n of Fox Creek			
Vertical Alignment	ıı			8	8	within 1	00 m. Τι	ırning l	anes start			
vertical Alignment				0	0	just eas	t of struc	ture.				
Roadway Width (m)		35.300				WB Lar Service	WB Lane 11.7m, EB lane 12.9m Service road 10.7m.					
Embankment		·		N	N	Erosion	Erosion gully @ SE 15m long, 500 wide, 500 deep.					
Sideslope (:1)		5.0				Drainage cause (5 X 5 X 06-May-2009			X 1m) scour o	n bank just u/s	of SW apron	
(Height of Cover(m) : 1.5)					Snow covered						
Guardrail (Y/N)		No				Show c	overea					
Approach Road / E	Embankme	nt General Rat	ting	7	7							
					Unctre	am End						
Culvert Componer	nt			Last	Now		ation of	Condi	tion			
Direction	-			S		Xpiaii		Jonal				
End Treatment (Col Others, None)	ncrete, Stee	ONCRETE		-								
Headwall				8	8							
Collar				N	N	Snow c	Snow covered.					
Collar						1						
Collar Wingwalls				Х	X							

			Unetro	nam End
Culvert Component		Last	Now	eam End Explanation of Condition
Cutoff Wall		N	N	Explanation of Condition
Cuton Wall		IN	IN	
Bevel End		8	8	
Heaving (mm)	25			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		N	N	Scour SE corner06-May-2009
(Type : RIP RAP)				Snow covered
(Avg. Rock Size(mm) : 450)				
Scour/Erosion		N	N	5 X 5 X 1m scour on bank SE corner of apron06-May-2009
				Snow covered.
Beavers (Y/N)	No			
2001010 (1711)				
Upstream End General Rating		4	4	GR carried fwd
		Dei	dao Cu	llvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN S			, Rise (mm): 4610, Type: SP)
Barrel Last Accessible Date	28-Nov-2012	pair (iiii	'/-	Ice 3.6m from crown, only access 18 rings from d/s end.
Dairei Last Accessible Date	20-1100-2012			lice 5.011 from Grown, only access to fings from drs end.
Special Features				
Special Feature		N	7	Two drains in each median @ R13 & 15 from d/s end.
(Type: STORM WATER DRAI	N)			0.7 x 0.7 x 0.5M sink hole at N drain06-May-2009 First two drains from d/s end ok.
Special Feature				
(Type:)				Snow covered.
Roof		7	7	Estimated due to ice.
Measured Rise (mm)				Upward
Measured At Ring No.				Эртан
Sag (mm)	73			
Percent Sag	2			
Sidewall		7	7	(Repaired construction damage. 6 additional holes & bolts added &
Measured Span (mm)	4537			probably a plate on the dirt side, second last ring - 2005/10/18). 9 rings from d/s end
Measured At Ring No.				Inward
Deflection (mm)	73			
Percent Deflection	2			
Floor		N	N	Ice covered
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	8	
Separation (mm)	0			
Longitudinal Seams		8	8	(1 bolt pulled through & repaired 2004/01/14)
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				1N Stagger.
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		N	N	(Minor superficial rust on floor
Corrosion By Soil (Y/N)	No			2002/07/14)
Corrosion By Water (Y/N)	Yes			

74108 -1 Bridge Culvert

		Bric	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 4610, Type: SP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle		N	N	
(Type : WEIR)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
				eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		N	N	Snow covered.
Wingwalls		X	Х	
(Shape:)				
Cutoff Wall		N	N	
Bevel End		8	8	20m dia tree over collar.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		N	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)			1	
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		I	1	
Alignment		6	6	75 degree bend 15m d/s.
Bank Stability		5	5	
HWM (m below Top of Culvert)				Hwm not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				Stable
Beavers (Y/N)	No			

Structure Usage								
	La	ast	Now	Explanation of Condition				
(Fish Compensation Measure 1 : N	ONE)							
(Fish Compensation Measure 2 : N	ONE)							
Channel General Rating 5 6			6					
•								

			Maintenan	ce Recommen	dations					
Inspector Recommendations Year Inspector Comments					Department Com	ments	Target 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										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 77.8/	77.8	Sufficiency Rating (Last/Now)	73.0/73.6	Est. Repl. Yr	2052	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	-
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Russel Vanderschaaf P			Previous	ious Assistant's Name						
		28-Aug-2014 Pr			evious Inspection Date 07-Mar-2011					
Inspection Cycle (Default) (months)	21									
Comment										