					Brida	e Culve	ert Insn	ection					
Bridge File Number 73993 -1 Bridge			Bridge Culve				Form Type		CUL1				
Year Built 1991							Lot No.		3				
Bridge or Town Name AIRDRIE			F			Inspector Name		Garry Roberts					
Located Over	INAITIC	TRIBUTARY TO CROSSFIELD CREEK,				<u> </u>		· ·	<u>'</u>				
		3.33.20.3	3, WATERCR	S-ST	CILL	.г.,	Inspector Class		BR CLS A				
Located On 791:05 C1			1 2.193				Assistant Name						
Water Body Cl./Year							Assistant Class						
Navigabil. Cl./Year								tion Date	17-Jul-2012				
			24 TWP 27 F	RGE 28 W	4M		Data Entry By		Kelsey Robert	S			
			33, 51:19:10				Data Entry Date		23-Aug-2012				
			Transportation (AIT)					ver Name	Ash Morjaria				
Contract Main. Area CMA29							/ Date	28-Jul-2012					
		9.2 /							Tim Davies				
AADT/Year	OROW	450 / 20 ⁻	11 (Δ)				Dept. Review Date		24-Aug-2012				
Road Classifica	tion	RCU-209					Follow	-Up By					
Detour Length (3	5-110				-						
Bridge Culvert		1 -							<u> </u>				
Number of Culv		1	 I										
	Barrel				Туре	Length		Corr. Profile	Pl./Slab	Shape			
Fipe #	Danei		Span	Kise (oi i	Dia.)	туре		Lengin	Corr. Profile	Thickness	Snape		
1	MAIN	-		2700		MP		30	75X25	2.8	ROUND		
Special Feature	·S												
Special Feature		ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme	nts												
Telephone	East	ditch					Gas						
Power	E fenceline-15m-1W						Municipal						
Others Irrigation line							Proble	m (Y/N) No					
Remarks	Throu	gh barrel											
				Ap	proac	ch Road	d / Emb	ankment					
						Now	Explan	ation of Condi	tion				
Horizontal Align					8	8	-						
Vertical Alignme	ent				8	8							
Roadway Width	(m)		9.200										
Embankment					7	7							
	.4\		2.0		1	7	-						
Sideslope (•	- 0\	3.0				-						
(Height of Cov	ver(m)	: 2)	\ <u>\</u>										
Guardrail (Y/N)			Yes				Accident damage to NE corner, 1 broken post, detatched at a second post- photo.						
Approach Roa	d / Eml	bankmen	│ t General Rat	ina	8	8							
Outro 1 C							am End		(!				
Culvert Component			Last Now			ation of Condi	tion						
End Treatment (Concrete, Steel, STE		OTEC		W		West							
Others, None)	(Concre	ete, Steel	SIEEL										
Headwall					Х	X							
Collar				Х	Х								
Wingwalls				Х	Х								
(Shape:)													
Cutoff Wall				Х	X								

				eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 350)			_	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		8	7	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. S			, Rise (mm): 2700, Type: MP)
Barrel Last Accessible Date	17-Jul-2012		<u>, </u>	
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm)	2640			
Measured At Ring No.	2			
Sag (mm)	60			
Percent Sag	2			-
		-		
Sidewall		8	8	
Measured Span (mm)	2720			
Measured At Ring No.	2			
Deflection (mm)	20			
Percent Deflection	1		1	
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	Gaps at seams sealed with oakum.
Separation (mm)	110			
Longitudinal Seams		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		7	7	Minor alkali stains at lower sidewall
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brid	lge Cu	ulvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2700, Type: MP)					
Fish Passage Adequacy		6	6						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		7	7						
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		E		East					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		7	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	100								
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 350)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	7	7						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7	Channel drains into dugout 40 m d/s.					
Bank Stability		6	7						
HWM (m below Top of Culvert)				No visible HWM					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	NONE								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	7						

73993 -1 Bridge Culvert

		Ma	intenance Recommer	ndations					
Inspector Recommendations	Year	Inspector Comments		Department Comr		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION		Replace 1 section dam posts.	aged guardrail and 2						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 88.9/8	Sufficiency I (%)	Rating (Last/Now)	82.4/82.0	Est. Repl. Yr	2043	Maint. Re	qd. (Y/N)	Yes
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	Garry Roberts			Previous Assistant's Name					
Next Inspection Date	17-Oct-2015		Previous	Previous Inspection Date 17-May-2009					
Inspection Cycle (Default) (months)	39								
	1								