					Bridge	e Culve	ert Insp	ection					
Bridge File Nur	mber	75379 -	2 Bridge Culver		Ū		Form T		CULE	CULE			
Year Built		2009					Lot No		4	4			
Bridge or Towr	n Name	FAIRVIEW					Inspec	or Name	Russel Vande				
Located Over		TRIBUTARY TO HINES CREEK, 8.10.80.4 WATERCRS-ST				80.4,	Inspector Class Assistant Name		BR CLS B				
Located On	Located On 682:02 C1 13.545						Assistant Class						
Water Body Cl./Year							<u> </u>		19-Jun-2012				
Navigabil. Cl./Y	rear						Inspection Date Data Entry By			oto			
Legal Land Loo	cation	NW SE	C 36 TWP 81 R	GE 5 W6N	Л			ntry Date	Theresa Lacusta 10-Jul-2012				
Longitude, Latitude -118:38:39, 56:03:60								ver Name		Eric Carcoux			
Road Authority Alberta Transportation (AIT)							Review		09-Jul-2012				
Contract Main. Area CMA04													
Clear Roadway	Clear Roadway/Skew 8.3 / -10 deg. (LHF)								David Morrison				
AADT/Year		220 / 20	)11 (A)				•		01-100-2012	01-Nov-2012			
Road Classifica	ation	RCU-20	9-110				Follow-Up By						
Detour Length	(km)	6					-						
Bridge Culver	t Inform	ation											
Number of Cul	verts		1										
Pipe #	Barrel		Span	Rise (or D	)ia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1524		SSP		97		12.7	ROUND		
1	D/S		-	1810		SP		20	152X51	3.0	ROUND		
Special Feature	es		DRIFT CATCH	ER, BARR	EL EI	LBOW							
Special Feature	es Comi	ment	H-pile drift defle	ector/catch	er at	u/s end							
					Uti	lities (L	ocated	at)					
Utility Attachme	ents												
Telephone	8m So	outh @ c	/I.				Gas						
Power							Munici	bal					
Others	Others						Proble	m (Y/N) No					
Remarks													
								ankment	•.•				
					Last	Now		Explanation of Condition Curves on both directions.					
Horizontal Alig					5	5	No passing down grade West bound.						
Vertical Alignment Roadway Width (m) 8.300					5	5							
Roadway widt	n (m)		8.300										
Embankment	Embankment												
					9	4	SE dito	h 14mLx0.3m	Vx0.4mD scour	- vegetated.			
Sideslope (	_:1)		4.0		9	4	SE dito	h 14mLx0.3m	Vx0.4mD scour	- vegetated.			
Sideslope (		15)	4.0		9	4	SE dito	h 14mLx0.3m	Vx0.4mD scour	- vegetated.			
· · · ·	over(m) :	15)	4.0 Yes		9	4	SE dito	h 14mLx0.3m	Vx0.4mD scour	- vegetated.			
(Height of Co Guardrail (Y/N)	over(m) : )			ing	9 5	4	SE ditc	h 14mLx0.3m	Vx0.4mD scour	- vegetated.			
(Height of Co Guardrail (Y/N)	over(m) : )		Yes	ing	5	5	-		Vx0.4mD scour	- vegetated.			
(Height of Co Guardrail (Y/N) Approach Roa	over(m) : ) ad / Eml		Yes		5	5	am End			- vegetated.			
(Height of Co Guardrail (Y/N)	over(m) : ) ad / Eml		Yes		5	5 Upstre	am End	ation of Cond		- vegetated.			
(Height of Cc Guardrail (Y/N) Approach Roa Culvert Comp	over(m) : ) ad / Emi onent	bankmei	Yes nt General Rati		5 Last	5 Upstre	am End Explar	ation of Cond		- vegetated.			
(Height of Cc Guardrail (Y/N) Approach Roa Culvert Comp Direction End Treatment	over(m) : ) ad / Emi onent	bankmei	Yes nt General Rati		5 Last	5 Upstre	am End Explar	ation of Cond		- vegetated.			
(Height of Co Guardrail (Y/N) Approach Roa Culvert Comp Direction End Treatment Others, None)	over(m) : ) ad / Emi onent	bankmei	Yes nt General Rati		5 Last	5 Upstre Now	am End Explar	ation of Cond		- vegetated.			
(Height of Cc Guardrail (Y/N) Approach Roa Culvert Comp Direction End Treatment Others, None) Headwall	over(m) : ) ad / Emi onent	bankmei	Yes nt General Rati		5 Last N	5 Upstre Now	am End Explar	ation of Cond		- vegetated.			

Alberta Transportation

	1		Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Cutoff Wall		Х	X					
Bevel End			9					
Heaving (mm)	Heaving (mm) 0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	700							
Scour Protection		9	9					
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : <b>450</b> )								
Scour/Erosion		9	9					
Beavers (Y/N)	No							
Upstream End General Rating		9	9					
		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1524, Type: SSP)				
Barrel Last Accessible Date	19-Jun-2012							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Туре : )								
Roof		9	9	Welded steel pipe - rise from manafacture.				
Measured Rise (mm)	1460			@ c/l				
Measured At Ring No.								
Sag (mm)	0							
Percent Sag	0							
Sidewall		9	9					
Measured Span (mm)	1524							
Measured At Ring No.				— @ c/l				
Deflection (mm)	0							
Percent Deflection	0							
Floor		9	9					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		9	9					
Separation (mm)								
Longitudinal Seams		Х	Х					
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		Х	Х					
Corrosion By Soil (Y/N)	No			1				
Corrosion By Water (Y/N)	No							
Camber POS/ZERO/NEG	ZERO							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

75379 - 2 Bridge Culvert

		Bri	dae Cu	Ivert Barrel
Culvert Component		Last	Now	
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Sp			, Rise (mm): 1524, Type: SSP)
Ponding (Y/N)	No			
Fish Passage Adequacy		9	9	
			<u> </u>	
Baffle		X	X	
(Type:)				
Waterway Adequacy		9	9	-
Icing (Y/N)	No			-
Silting (Y/N)	No	_		-
Drift (Y/N)	No			
Barrel General Rating		9	9	
		Bri		livert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	ation Code: D/S, Spa	n (mm):	,	Rise (mm): 1810, Type: SP)
Barrel Last Accessible Date	19-Jun-2012			Silt 0.8m from d/s crown - viewed from ends.
Special Features				
Special Feature			Х	
(Type : <b>DRIFT CATCHER</b> )				
Special Feature			Х	-
(Type : <b>BARREL ELBOW</b> )				
Roof		9	N	
Measured Rise (mm)	1820			
Measured At Ring No.	5			from d/s
Sag (mm)	0			
Percent Sag	0			
Sidewall		9	N	
Measured Span (mm)	1815			from d/s
Measured At Ring No.	5			
Deflection (mm)	0			
Percent Deflection	0			
Floor		9	N	
Bulge (mm)			-1	1
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		9	N	
Separation (mm)				<u> </u>
Longitudinal Seams		9	N	
Total No. of Cracked Rings			-	1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			1
Longitudinal Stagger (Y/N)	Yes			1
Coating		9	N	
Corrosion By Soil (Y/N)	No	-		1
Corrosion By Water (Y/N)	No			1
Camber POS/ZERO/NEG	ZERO			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

75379 - 2 Bridge Culvert

		Brid	dge Cu	Ivert Barrel				
Culvert Component		1		Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: D/S, Span	(mm):	, F	Rise (mm): 1810, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		9	9					
Baffle		X	X					
(Туре : )								
Waterway Adequacy		9	9					
Icing (Y/N)	No			1.0m of silt				
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel Extension General Ratin	g	9	N	GR was '9' on 17-Aug-2009				
			ownstr	ream End				
Culvert Component			Now	Explanation of Condition				
Direction		S		Southwest				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall	1	Х	X					
Collar		X	Х					
Wingwalls		X	Х					
(Shape : )								
Cutoff Wall		X	X					
Bevel End	1	9	N	silt covered				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			-				
Above/Below (mm)	700		1					
Scour Protection		9	9					
(Type : <b>RIP RAP</b> )				-				
(Avg. Rock Size(mm) : <b>450</b> )								
Scour/Erosion		9	9					
Beavers (Y/N)	No							
Downstream End General Ratir	ng	9	9					
				re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		0	0					
Alignment		8	8					
Bank Stability		5	5	U/S channel bank has slides				
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)		1					
Channel General Rating		5	8					

Maintenance Recommendations											
Inspector Recommendations		Year	Inspecto	or Comments		Department Com	iments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No	ow)	100.0/100.0 Su (%		Sufficiency Rating (%)	(Last/Now)	97.0/99.3	Est. Repl. Yr 2059		Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection	nents for										
Maintenance Reviewed By						Date Estimated Total 0					
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Brian Pi	ientsch			Previous	Assistant's Name Tim Miskiman					
Next Inspection Date	19-Sep-	-2015			Previous	s Inspection Date 17-Aug-2009					
Inspection Cycle (Default) (months)	39										
Comment											