					Brida	e Culve	ert Insp	ection					
Bridge File Number 72258 -1 Bridge Culvert							Form T		CUL1				
Year Built							Lot No.		2				
Bridge or Town	Bridge or Town Name CHIGWELL						Inspec	tor Name	Owen Salava				
Located Over		TRIBUTA	ARY TO PARI	BY CREE	ΞK,		Inspector Class		BR CLS A				
			1.4, WATERC	RS-ST			Assistant Name						
Located On		815:04 C	1 8.776				Assista	int Class					
Water Body Cl./Year						Inspection Date		13-Jul-2012					
Navigabil. Cl./Year						Data Entry By		Marcia Chavez					
Legal Land Location SW SEC 22 TWP 41 RGE 25 W4					4M		Data E	ntry Date	01-Aug-2012				
Longitude, Latitude -113:31:53, 52:32:3				( <b>.</b>			Reviewer Name		John O'Brien				
Road Authority	ansportation (AIT)				Review Date		31-Jul-2012						
Contract Main. A		CMA19						Reviewer Name	Andrew Smikle	es			
Clear Roadway/	Skew		leg. (LHF)				Dept. F	Review Date	02-Aug-2012	02-Aug-2012			
AADT/Year		720 / 201					Follow-Up By						
Road Classificat		RAU-210	-110				-						
Detour Length (km) 6 Bridge Culvert Information													
Number of Culvert													
	erts Barrel		Span Rise (or		Dia.) Type			Length	Corr. Profile	PI./Slab	Shape		
	Darrei	3	рап	Rise (OI	Dia.)	Type		Lengin	Corr. Profile	Thickness	Shape		
1 [	MAIN	-		1524		SP		41.5	152X51	3.0	ROUND		
Special Features	s												
Special Features	s Comr	ment											
					Ut	ilities (L	ocated	at)					
Utility Attachmer							•						
Telephone		of centerli					Gas Munici						
Power	3 wire	es 15m East of centerline.											
Others							Proble	m (Y/N) No					
Remarks				Δ.		. D							
				A				ankment ation of Cond	ition				
Horizontal Alignment					9	9	Explanation of Condition 820m South of intersection.						
Vertical Alignme	<b>•</b>				9	9							
Roadway Width (m)			9.000			0							
	(111)		0.000										
Embankment					8	8							
Sideslope (:	:1)		2.0										
(Height of Cov													
Guardrail (Y/N)			Yes				On the East side 64m.						
Approach Des	1 / E	ankmart	Gonoral Det	ina	9	0							
Approach Road				ing	9	9							
						Upstre	am End						
Culvert Component				Last	Now	Explan	ation of Cond	ition					
Direction		1		W		-							
End Treatment (Concrete, Steel, Others, None)		STEEL											
Headwall					X	X							
Collar			X	Х									
Wingwalls			X	X									
(Shape : )				Λ	Λ								
Cutoff Wall				X	X								

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	Grass & drift caught on fence.
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	100			
Scour Protection		5	5	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		5	5	Scour in channel, under bevel 0.4m.
Beavers (Y/N)	No			
Upstream End General Rating	1	5	5	
				Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca		n (mm	ı):	, Rise (mm): 1524, Type: SP)
Barrel Last Accessible Date	13-Jul-2012			
Special Features				
Special Feature				
(Type : )			1	
Special Feature				
(Type : )				
Roof		6	6	
	1569	0	0	
Measured Rise (mm)				-
Measured At Ring No.	8			-
Sag (mm)	45			-
Percent Sag 3			4	
Sidewall	4.440	4	4	
Measured Span (mm)	1410			-
Measured At Ring No.	8			7.5%
Deflection (mm)	114			-
Percent Deflection	8			
Floor		6	6	10m from D/S end.
Bulge (mm)	100			-
Measured At Ring No.	8			-
Abrasion (Y/N)	No			
Circumferential Seams		4	4	Bolts loose and missing in circumferential seams in haunch area.
Separation (mm)	0			
Longitudinal Seams		6	6	Pipe is poorly torqued throughout.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N) Yes				
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dqe Cu	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	pan (mm		, Rise (mm): 1524, Type: SP)
Fish Passage Adequacy		X	Х	
Baffle		X	Х	
(Type:)			_	
Waterway Adequacy		7	7	
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)	Yes			
Barrel General Rating		4	4	
5				
				ream End
Culvert Component			Now	Explanation of Condition
Direction	00100575	E		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall	1	X	Х	
Collar		5	5	Cracked.
Wingwalls		X	Х	
(Shape : )				
Cutoff Wall			X	
Bevel End	Bevel End			
Heaving (mm)				
nvert Above/Below Stream Bed ABOVE				
Above/Below (mm) 200				
Scour Protection		5	4	Concrete pad, approx 3m in streambed at opening.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion			4	Erosion at end of concrete end protection. Void below NE protection.
Beavers (Y/N)	vers (Y/N) No			
Downstream End General Ration	ng	5	4	
		s	Structu	re Usage
				Explanation of Condition
Channel (U/S and D/S)				
Alignment			8	
Bank Stability			8	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			Caught on U/S fence.
Channel Bottom DEGRADING Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating			8	

Maintenance Recommendations												
Inspector Recommendations	Yea	ar Ir	nspector (	Comments		Department Comments					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	201		Fill void at concrete.	outlet slope protection, 1	m3							
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow) 44.	44.4/44.4		Sufficiency Rating (Last/Nov (%)		58.2/57.2	Est. Rep	Est. Repl. Yr		Maint. Red	Id. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments						
Maintenance Reviewed By						Date			E	Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Owen Sala	ava			Previous	ous Assistant's Name						
Next Inspection Date	13-Oct-2015				Previous	vious Inspection Date 03-Sep-2009						
Inspection Cycle (Default) (months)	39											
Comment												