Bridge Culvert Inspection														
Bridge File Num	nber	77580 -	1 Bridge Culve	rt			Form Type		CUL1					
Year Built	ear Built 1965							Lot No.		4				
Bridge or Town	Ige or Town Name CAROLINE ated Over TRIBUTARY TO SEVEN MILE CI						Inspector Name		Owen Salava					
Located Over		TRIBU1 6.159.1	CREEK,		Inspector Class		BR CLS A							
Located On		734:14	734:14 C1 40.069											
Water Body CL/	/Year						Assistant Class							
Navigabil CL/Y	ear				Inspection Date		30-Nov-2010							
Legal Land Loc	ation	NE SEC	2 30 TWP 35 RGE 10 W5M					Data Entry By		Marcia Chavez				
Longitude Latit	Longitude, Latitude -115:24:4			·41 52·02·25					Data Entry Date		03-Jan-2011			
Road Authority Alberta		Transportation (AIT)					Reviewer Name		John O'Brien					
Contract Main. Area CMA18		3					Review Date		16-Dec-2010					
Clear Roadway/Skew 7.3 / 1		7.3 / 12	12 deg (RHE)					Dept. Reviewer Name		Chris Black				
AADT/Year 90		90 / 200	A0 / 2009 (A)					Dept. Review Date		05-Jan-2011				
Road Classifica	Road Classification RCU-2		208G-90					Follow-Up By						
Detour Lenath ((km)	150												
Bridge Culvert Information														
Number of Culverts 1														
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2400		SP		24.4		152X51		ROUND		
Special Feature	es							1						
Special Feature	es Comr	ment												
					Uti	lities (L	ocated	at)						
Utility Attachme	ents						0							
Telephone														
Power	-					Problem (Y/N) No								
Duners			Problei											
Remarks				Δ	nnroad	h Road	l/Emb	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment			4	4	Curve 200m South. Cannot travel @ 80 kph design speed.									
Vertical Alignment					4	4	Hill 200m North, limited sight distance.							
Roadway Width (m)		7.000												
Embankment					4	4								
Sideslope (:1)		1.0			. ·	Steep s	Steep slopes on U/S & D/S sides.						
(Height of Cov	 ver(m) :	2)												
Guardrail (Y/N)			No											
Approach Roa	d / Emt	bankme	nt General Rat	ing	4	4								
						Unetro	om End							
Culvert Compo	onent				Last	Now	Fxnlan	ation of (Condi	tion				
Direction					N		Expian		Jonan					
End Treatment (Concrete, Steel, STEEL					-									
Headwall					X	X								
Collar				X	Х									
Wingwalls				X	Х									
(Shape:)						1								
Cutoff Wall						Х								
							1							

Alberta Transportation

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7	Corrosion at waterline.						
Heaving (mm)	150									
Invert Above/Below Stream Bed	ABOVE			_						
Above/Below (mm) 300			1							
Scour Protection			N	Snow covered.						
(Type : RIP RAP)				_						
(Avg. Rock Size(mm) : 350)			1							
Scour/Erosion		7	N							
Beavers (Y/N)	No									
Upstream End General Rating			7							
		Bric	lge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 2400, Type: SP)						
Barrel Last Accessible Date 30-Nov-2010										
Special Features										
Special Feature				-						
(Type :)				-						
Special Feature				-						
(Туре :)										
Roof		7	7	Not meaured due to ice.						
Measured Rise (mm)				_						
Measured At Ring No.	4									
Sag (mm)	80									
Percent Sag	3			(3.3% 23Nov2005).						
Sidewall		7	7	1st ring from D/S end - span is 2460mm.						
Measured Span (mm)	2460									
Measured At Ring No.	4									
Deflection (mm)	60			2.5%						
Percent Deflection	3									
Floor		N	N	Ice covered.						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		7	7							
Separation (mm)	0									
Longitudinal Seams		7	7							
Total No. of Cracked Rings	0			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		6	6	Corrosion at waterline.						
Corrosion By Soil (Y/N)	No		5							
Corrosion By Water (Y/N)	Yes			1						
	NEG									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77580 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spar	n (mm):	, Rise (mm): 2400, Type: SP)						
Fish Passage Adequacy		5	5							
Baffle		Х	Х							
(Туре :)										
Waterway Adequacy		6	6							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating			7							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		S		-						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar			X							
Wingwalls		Х	X							
(Shape :)										
Cutoff Wall			X							
Bevel End		6	6							
Heaving (mm)	0									
Invert Above/Below Stream Bed	vert Above/Below Stream Bed ABOVE									
Above/Below (mm)	500									
Scour Protection		5	N	(Rock washed downstream. 23Nov2005). Snow covered.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 350)										
Scour/Erosion			N	(Scour hole filled with rock - photo. 23Nov2005).						
Beavers (Y/N)	No									
Downstream End General Ratin	ng	6	5	Based on scour from 23Nov2005.						
		S Last	Now	re Usage						
Channel (U/S and D/S)		Lasi	INOW							
Alignment			4	West end of pipe should have been 3.5m South to line up better with D/S channel - should have been +21 degree skew.						
Bank Stability			6							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) No										
Channel Bottom DEGRADING										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			4							

Maintenance Recommendations												
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												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC												
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	66.7/77.3	.8 Sufficiency Rating (Last/N (%)	low) t	6.5/59.6 Est. Repl. Yr 2025		2025	Maint. Reqd. (Y/N)		No		
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 Dave		am		Previous /	revious Assistant's Name							
Next Inspection Date 28-F		-2014		Previous I	Previous Inspection Date 23-Nov-2005							
Inspection Cycle (Default) (months) 39												
Comment												