				B	Brida	e Culve	ert Inspe	ction						
Bridge File Num							Form Type			CUL1				
Year Built		1980					Lot No.			2				
Bridge or Town Name CALMAR							Inspector Name			– Todd Warshawski				
Located Over TRIBUTARY TO WEED C WATERCRS-ST				D CREEK, (	CREEK, 6.110.2,			or Class		BR CLS B				
Located On 39:10 C1 3.021								nt Name						
Water Body Cl./Year							Assistant Class							
Navigabil. Cl./Year							· ·	Inspection Date07-Jan-2013Data Entry ByLisa Fairhurst						
Legal Land Loca	25 TWP 49 R	5 TWP 49 RGE 28 W4M						Lisa Fairhurst						
Longitude, Latitude -113:57:2			24, 53:15:54				Data Entry Date Reviewer Name			22-Jan-2013				
Road Authority Alberta Tu			ransportation (AIT)				Review Date			Eric Carcoux 16-Jan-2013				
Contract Main. Area CMA11				• • •						Brent Herrick				
Clear Roadway/S	Skew	12.8 /						Dept. Reviewer Name		23-Jan-2013				
AADT/Year		4,570 / 2	2011 (A)				Follow-Up By			20 0011 2010				
Road Classificati	ion	RAU-21	1.8-110					op Dy						
Detour Length (k	(m)	3												
Bridge Culvert I	Informa	ation												
Number of Culve	erts	1	•											
Pipe # E	Barrel		Span	Rise (or Di	Dia.) Type			Length		Corr. Profile	Pl./Slab Thickness	Shape		
<u>1 N</u>	MAIN	3	3495	3854		SPE		48.8		152X51	2.8	ELLIPSE		
Special Features														
Special Features	s Comn	nent												
					+;	litios /l	ocated	at)						
Utility Attachmen	nte				υu	inties (L	ocaleu	aty						
	N & S	RW					Gas							
•	2 wire						Municipal							
Others	2 1010	3 IN FOW					Problem (Y/N) No							
Others							1 100101		110					
				App	oroad	h Road	l / Emba	Inkment						
						Explanation of Condition								
Horizontal Alignr	nent				7	7				East, field entr	ance to west.			
Vertical Alignme	nt				8	8	1							
Roadway Width	Roadway Width (m)													
Embankment			12.500											
Sideslope (:1)			12.500		8	8								
	1)		12.500 3.0		8	1								
	-	<b>3.3</b> )			8	1								
Sideslope (: (Height of Cove	-	3.3)			8	1								
Sideslope (:	er(m) :	,	3.0 Yes	ing	8 7	1								
Sideslope (: (Height of Cove Guardrail (Y/N)	er(m) :	,	3.0 Yes	ing	7	8 7	am End							
Sideslope (: (Height of Cove Guardrail (Y/N)	er(m) : I / Emb	,	3.0 Yes		7	8 7	am End Explan	ation of		iion				
Sideslope (: (Height of Cove Guardrail (Y/N) Approach Road Culvert Compor	er(m) : I / Emb	,	3.0 Yes		7 .ast	8 7 Upstre	1	ation of		tion				
Sideslope (: (Height of Cove Guardrail (Y/N) Approach Road Culvert Compor Direction End Treatment (	er(m) : I / Emb nent	ankmen	3.0 Yes t General Rat	L	7 .ast	8 7 Upstre	1	ation of		tion				
Sideslope (: (Height of Cove Guardrail (Y/N) Approach Road	er(m) : I / Emb nent	ankmen	3.0 Yes t General Rat	L	7 .ast	8 7 Upstre	1	ation of		tion				
Sideslope (: (Height of Cove Guardrail (Y/N) Approach Road Culvert Compor Direction End Treatment ( Others, None) Headwall	er(m) : I / Emb nent	ankmen	3.0 Yes t General Rat	L	7 .ast	8 7 Upstre Now	Explan (Separa Jun/09)	ation 15m	Condit	tion	r joint @ SE c	oncrete slope		
Sideslope (: (Height of Cove Guardrail (Y/N) Approach Road Culvert Compor Direction End Treatment ( Others, None) Headwall Collar	er(m) : I / Emb nent	ankmen	3.0 Yes t General Rat	L	7 ast S X N	8 7 Upstreat Now	Explan (Separa	ation 15m	Condit		r joint @ SE c	oncrete slope		
Sideslope (: (Height of Covo Guardrail (Y/N) Approach Road Culvert Compor Direction End Treatment ( Others, None) Headwall Collar Wingwalls	er(m) : I / Emb nent	ankmen	3.0 Yes t General Rat	L	7 .ast	8 7 Upstreat Now	Explan (Separa Jun/09)	ation 15m	Condit		r joint @ SE c	oncrete slope		
Sideslope (: (Height of Cove Guardrail (Y/N) Approach Road Culvert Compor Direction End Treatment ( Others, None) Headwall Collar	er(m) : I / Emb nent	ankmen	3.0 Yes t General Rat	L	7 ast S X N	8 7 Upstreat Now	Explan (Separa Jun/09)	ation 15m	Condit		r joint @ SE c	oncrete slope		

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7	Floor not rated						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			_						
Above/Below (mm)	800		-							
Scour Protection		N	N	Covered in snow/drift						
(Type : <b>RIP RAP</b> )				_						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	N							
Beavers (Y/N)	eavers (Y/N) No			Drift across inlet - photo.						
Upstream End General Rating			6	GR carried fwd.						
Output On		1		Ivert Barrel						
Culvert Component	tion Code: MAINL Or			Explanation of Condition						
(Pipe # : 1, Primary Span, Loca		in (mm	): 3495	ο, κιse (inm): 3854, Type: SPE)						
Barrel Last Accessible Date	07-Jan-2013									
Special Features										
Special Feature										
(Type:)				1						
Special Feature										
(Туре : )										
Roof		4	4	Accident damage U/S end, localized						
Measured Rise (mm)				area, bent in 300 to 400mm at roof with tear. Tear in roof Ring 6 100mm long.						
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall	·	4	4	Deflected inward. Rings 1-4, 12						
Measured Span (mm)	3460									
Measured At Ring No.	6									
Deflection (mm)	35									
Percent Deflection	1									
Floor		N	N	Ice/water						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		6	6	Upper 2/3 rated						
Separation (mm)	0									
Longitudinal Seams		4	4	Cusping 1 plates ring 12 East side. Likely cracked on outside. Span						
Total No. of Cracked Rings	0			is 3150 @ this location.						
Total No. of Rings with Two Cracked Seams				Cusping at lower seam ring 1-4.						
Min. Remaining Steel Between Cracks (mm)				_						
Proper Lap (Y/N)	No			-						
Longitudinal Stagger (Y/N)	No									
Coating		5	5							
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

3495 5 N 4 4 wnstr	Explanation of Condition , Rise (mm): 3854, Type: SPE) Logs & debris across inlet - photo.
5 N 4 4 wnstr Now	Logs & debris across inlet - photo.
N 4 4 wnstr Now	eam End
4 4 wnstr Now	eam End
4 wnstr Now	eam End
4 wnstr Now	eam End
wnstr Now	eam End
wnstr Now	
wnstr Now	
wnstr Now	
Now	
Now	
	Explanation of Condition
X	
Х	
Х	
Х	
Х	
Х	
5	(Bevel bending inward 300mm both sides.
	(Bevel projects from fill 700 mm NEJune 2009)
Ν	
Ν	
5	
uctur	e Usage
Now	Explanation of Condition
5	
5	
	Drift (logs) on bevel (photo).
5	
	X X 5 N N 5 5 5 5 5

Maintenance Recommendations										
Inspector Recommendations		Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION		2013	Remove U/S drift.							
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
	OTHER ACTION									
OTHER ACTION										
Structural Condition Rating (L (%)	ast/Now)	44.4/44.	4 Sufficiency Rating (Last/N (%)	low) 4	I4.9/44.7	Est. Repl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
Special Monitor cusping on 1st plate, E side form outlet. 3150mm span between X's. (Monitor outlet scour protection 26Jan06)					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 Todd		odd Warshawski Previ			us Assistant's Name					
		07-Oct-2014 Pre			nspection Date	24-Mar-2011				
Inspection Cycle (Default) (mont	ns) 21									
Comment										