Bridge File Number				Duida	- C. I.	ut lucus	41						
	Bridge Culv				e Cuive								
Bridge File Number	79508 -1 Bridge Culvert				Form Typ	pe		CUL1					
Year Built	1987				Lot No.	u Niama a	·	1					
Bridge or Town Name DRUMHELLER					Inspecto		Owen Salava						
Located Over TRAIL-ANIMAL, OVER SP				Inspector Class BR CLS A									
Located On 838:02 C1 12.226				Assistant Name									
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year	NN4/ OF	O 00 TIMB 0	N D O E O 4 1 1 1			Inspection Date 11-May-2011							
Legal Land Location		C 26 TWP 29	-	4M		Data Ent			Marcia Chavez				
Longitude, Latitude		:22, 51:30:45				Data Entry Date		·	27-May-2011				
Road Authority Alberta Transportation (AIT)					Reviewer Na				John O'Brien				
Contract Main. Area CMA21							Review Date 17-May-2011 Dept. Reviewer Name Chris Black						
Clear Roadway/Skew						· ·							
AADT/Year	290 / 20				Dept. Review Date			01-Jun-2011					
Road Classification	RCU-20)9-110				Follow-U	р Ву						
Detour Length (km)	10												
Bridge Culvert Inform													
Number of Culverts		1	D: /	D: \	_			0 5 "					
Pipe # Barrel	l	Span	Rise (or	Dia.)	Туре		_ength	Corr. Profile	PI./Slab Thickness	Shape			
1 MAIN		-	2200		MP	2	25	125X26	2.8	ROUND			
Special Features													
Special Features Con	nment												
				Po	stina Ir	nformatio	'n						
Required Vert. Cleara	nce Posti	na (m)			Stilly II	normatio	'11						
Posted Vertical Cleara													
Posted: Lane NB		Bridge (m)	In Adv	ance (V/NI)	Lar	ne SB	On Bridge (m)	In Advar	nce (Y/N)			
Remarks	On E	Shage (III)	III Auv	arice (1/11)	Lai	ile OD	On Bridge (III)	III Advai	100 (1714)			
romano				Liti	lities (l	ocated a	<i>t</i>)						
Utility Attachments				<u> </u>	iiiios (L	-ocalca a							
	h r/w.					Gas							
•	m South.					Municipa	al						
Others						Problem							
Remarks						1 10010111	(1714) 140						
romanic			At	oproac	ch Road	d / Embar	nkment						
				Last	Now		tion of Con	dition					
Horizontal Alignment				6	6	Located	in curves.						
Vertical Alignment				6	6	No passing WB. Superelevated. 6.8km from Royal Tyrrell Museur Located 12.1km N of Hwy 9 jct. There is a 1200mm dia x 34.0m MP located 12.0m N of cattlepass for drainage, not included in this file.							
Roadway Width (m) 9.200				Trans. cr	rack over pip	oe, sealed.							
Embankment	Embankment		7	7									
Sideslope (:1) 4.0													
(Height of Cover(m)	: 1)												
Guardrail (Y/N)		Yes											
Approach Road / Embankment General Rating			6	6									
					<u>Upstre</u>	am End							
Culvert Component					Upstre Now		tion of Con	dition					
Culvert Component Direction							tion of Con	dition					

Upstream End									
Outroot On									
Culvert Component		Last	Now	Explanation of Condition					
Headwall		X	X						
Collar			Х						
Wingwalls			Х						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		Х	Х						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection		7	7						
(Type: NATURAL)									
(Avg. Rock Size(mm):)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating		7	7						
		Brid	dge Cu	lvert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 2200, Type: MP)					
Barrel Last Accessible Date	11-May-2011								
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		6	3	Hole in roof R1 & R2 & embankment starting to leak but repaired with					
Measured Rise (mm)				piece of wood. Large perforation at d/s end.					
Measured At Ring No.				Heavy scaling on exposed roof.					
Sag (mm)	0								
Percent Sag									
Sidewall		7	7	Small dents caused during installation.					
Measured Span (mm)	2235								
Measured At Ring No.	5								
Deflection (mm)	35			1.6%					
Percent Deflection	1								
Floor		N	N	100mm mud.					
Bulge (mm)	0			Minor.					
Measured At Ring No.									
Abrasion (Y/N)	Yes								
Circumferential Seams		7	7	Dents on culvert ends & some spaces.					
Separation (mm)	50			Joints present. Polyurethane foam insulation @ 1st seam from N.					

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm) :	, Rise (mm): 2200, Type: MP)
Longitudinal Seams		Х	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		5	3	Corroded on outside of crown.
Corrosion By Soil (Y/N)	Yes			Superfiscial rust with some perforation on lower sidewall (minor). Heavy scaling with perforations at d/s roof (photo).
Corrosion By Water (Y/N)	Yes			priodry occurring with portorialions at the root (prioto).
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	Doubles as a watercourse.
Icing (Y/N)	No			200000000000000000000000000000000000000
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating	1.10	6	3	
Darror General Rating				
			_	ream End
Culvert Component			Now	Explanation of Condition
Direction	NONE	S		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)		1		
Cutoff Wall		Х	X	
Bevel End		Х	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		6	6	
(Type: NATURAL)				
(Avg. Rock Size(mm):)			_	
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	6	6	

Structure Usage										
			Now	Explanation of Condition						
Grade Separation										
Road Alignment		7	7							
Roadway Surface		7	7							
(Type : ACP)										
Icing (Y/N)	No									
Traffic Safety Features		Х	X							
Туре	e NONE									
Lighting		X	X							
Barrel Leakage (Y/N) No										
Drainage		6	6							
Structure In Use (Y/N) Yes				S end closed off with barbed wire.						
Grade Separation General Rating		6	6							

		Maintenan	ce Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department (Commer	nts	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS	i oui	moposter Comments	Вораннон	5011111101	ito		raigot roai	201. 0001	- Out II
PLACE ADDITIONAL RIP RAP									_
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 66.7/33	.3 Sufficiency Rating (Last/Now) 73.5/58.6	Es	st. Repl. Yr 2020		Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection This pipe is mainly No action for roof o	a cattlepass, bu r corrosion at th	t doubles as a watercourse. s time.	Department Comments						
Maintenance Reviewed By			Date			E	Estimated Tota	1 0	
Proposed Long-Term Strategy	2006.10.25 Re	move cattlepass when expedient							
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name Bryan Wai		Previous Assistant's Nar	Previous Assistant's Name						
Next Inspection Date	11-Aug-2014		Previous Inspection Date	е	25-Mar-2008				
Inspection Cycle (Default) (months)	39		<u> </u>						
Comment									