						Brida	e Culve	ert Insp	ection					
Bridge File Number 00844 -1 Bridge Culvert						Dirag	o our	Form Type		CUL1				
Year Built 1994						Lot No.			4					
			TON					Inspector Name		Jason Rusu				
		WED	SP			<u> </u>	Inspector Name		BR CLS B					
Pear Built Bridge or Town Name CARDST Located Over TRAIL-AN Located On 820:02 C Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude CMA25 Clear Roadway/Skew AADT/Year Padd Classification RLU-209 Bridge Culvert Information Number of Culverts MAIN Special Features Special Features Special Features CARDST RAU-AN ROAD CI./Year Alberta T CMA25 COMPACE CMA25 CMA26 CMA25 CMA26 CMA25 CMA26 CMA26 CMA26 CMA26 CMA26 CMA26 CMA26 CMA26 CMA				OF.				int Name		DK CLS D				
Water Body CI./Year Navigabil. CI./Year Legal Land Location SE SEC 30 Longitude, Latitude -113:04:40 Road Authority Alberta Tra Contract Main. Area CMA25 Clear Roadway/Skew 10 / 10 deg AADT/Year 120 / 2009 Road Classification RLU-209G Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1			51 22.094											
Navigabil. Cl./Year Legal Land Location SE SEC 3 Longitude, Latitude -113:04:40 Road Authority Alberta Tra Contract Main. Area CMA25 Clear Roadway/Skew 10 / 10 de AADT/Year 120 / 2009 Road Classification RLU-2090 Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN -									int Class		40 1 0040			
		- 0-0			00.14/41			Inspection Date			12-Jun-2010			
Principle of Town Name CARDST Located Over TRAIL-AI Located On 820:02 C Water Body CI./Year Navigabil. CI./Year Legal Land Location SE SEC Contract Main. Area CMA25 Clear Roadway/Skew 10 / 10 do AADT/Year 120 / 200 Road Classification RLU-209 Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1 MAIN Special Features Special Features Comment Posted Vertical Clearance (Y/N) Posted: Lane NB On Br Remarks Not required Utility Attachments Telephone West ditch Power Others Remarks			VI		Data Entry By		Erin Roberts							
Water Body CI./Year Navigabil. CI./Year Legal Land Location SE SEC 3 Longitude, Latitude -113:04:44 Road Authority Alberta Tr Contract Main. Area CMA25 Clear Roadway/Skew 10 / 10 de AADT/Year 120 / 2009 Road Classification RLU-2090 Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN - Special Features Special Features Comment Required Vert. Clearance Posting Posted Vertical Clearance (Y/N) Posted: Lane NB On Bri Remarks Not required							Data Entry Date			18-Aug-2010				
Located Over Located On Region Section Rate Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Road Authority Contract Main. Area CMA25 Clear Roadway/Skew AADT/Year Length (km) Detour Length (km) Road Classification RLU-2090 Detour Length (km) Ridge Culvert Information Number of Culverts Pipe # Barrel Special Features Special Features Comment Required Vert. Clearance Posting Posted Vertical Clearance (Y/N) Posted: Lane Remarks Not required Utility Attachments Telephone West ditch Power Others		Transporta	ation (A	NT)			Reviewer Name			Garry Roberts				
Legal Land Location SE SEC 3 Longitude, Latitude -113:04:40 Road Authority Alberta Tr Contract Main. Area CMA25 Clear Roadway/Skew 10 / 10 de AADT/Year 120 / 2009 Road Classification RLU-2090 Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN - Special Features Special Features Comment Required Vert. Clearance Posting Posted Vertical Clearance (Y/N) Posted: Lane NB On Brid							Review			18-Jul-2010				
		deg. (RHF)				Dept. F	Reviewer	Name	Lorenz Bohner	rt			
AADT/Year 120 / 2009		09 (A)					Dept. Review Date		23-Aug-2010					
Road Classifica	ation RI	LU-209	9G-90					Follow-Up By						
Detour Length (km) 20														
Bridge Culver	t Informati	ion												
Number of Culv	verts		1											
Pipe #	Barrel		Span		lise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	-	-	2	200		MP		36				ROUND	
Special Feature	es													
Special Feature	es Comme	ent												
·														
Posting Information														
-														
Posted: Lane	NB	On B	Bridge (m)		In Adv	ance (Y/N)	L	ane SB	B C	n Bridge (m)	In Advance	ce (Y/N)	
Remarks	Not requ	iired				Uti	lities (l	_ocated	at)					
Utility Attachme	ents								,					
						Gas								
	Troot ditt	<u> </u>						Munici	nal					
									m (Y/N)	No				
								i iobiei	11 (1/14)	INO				
Remarks					٨٠	anroad	sh Pos	d / Emb	ankmont	4				
					А	Last	Now	d / Embankment Explanation of Condition						
Horizontal Align	nmont					6	6	Curves 30m south and 150m north						
						7	7	Curves	30111 501	ulii ailu	1 130111 1101111			
			12.000			,	,							
Factor and an ext						7	-							
	4)					7	7							
Sideslope (:1) 3.0					-									
(Height of Cover(m) : 2.2)			I											
Guardrail (Y/N) No														
Approach Roa	ad / Embar	nkmen	nt General	l Ratin	g	6	6							
							Upstre	am End						
Culvert Comp	onent					Last	Now	Explan	ation of	Condi	tion			
Direction						E		East						
End Treatment Others, None)	(Concrete	, Steel	I, STEEL											
Headwall						Х	Х							
Collar						Х	Х							

00844 -1 Bridge Culvert

	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Wingwalls		Х	Х								
(Shape:)											
Cutoff Wall		Х	X								
Bevel End		8	8								
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	100										
Scour Protection		X	X								
(Type:)											
(Avg. Rock Size(mm):)		1									
Scour/Erosion		Х	X								
Beavers (Y/N)	No										
Upstream End General Rating		8	8								
Bridge Culvert Barrel											
Culvert Component		1	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	n):	, Rise (mm): 2200, Type: MP)							
Barrel Last Accessible Date	12-Jun-2010										
Special Features											
Special Feature											
(Type:)											
Special Feature											
(Type :)											
Roof		5	5	Estimate							
Measured Rise (mm)	2080										
Measured At Ring No.	3										
Sag (mm)	120										
Percent Sag	5										
Sidewall		5	5								
Measured Span (mm)	2350										
Measured At Ring No.	3										
Deflection (mm)	150										
Percent Deflection	7										
Floor		N	N	dirt covered							
Bulge (mm)											
Measured At Ring No.											
Abrasion (Y/N)											
Circumferential Seams		8	8								
Separation (mm) 10											
Longitudinal Seams		Х	X								
Total No. of Cracked Rings 0											
Total No. of Rings with Two 0 Cracked Seams											
Min. Remaining Steel 0 Between Cracks (mm)											
Proper Lap (Y/N)											
Longitudinal Stagger (Y/N)											
Coating		8	8								
Corrosion By Soil (Y/N)	No			1							
Corrosion By Water (Y/N)	No										

		Bri	dge Cu	Ivert Barrel
			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm	1):	, Rise (mm): 2200, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
		D	ownsti	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		W		West
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	500			
Scour Protection		X	X	
(Type:)				
(Avg. Rock Size(mm):)			1	
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	Very muddy and wet- poor drainage
Roadway Surface		7	5	
(Type:)				
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре				
Lighting		X	X	
Barrel Leakage (Y/N)	Yes		1	Landowner (Tom Malmborg) informs inspector that circum. seams leak in sprign/during rainfall

Structure Usage									
		Last	Now	Explanation of Condition					
Drainage		8	6	Water pools in center length					
Structure In Use (Y/N) Yes									
Grade Separation General Rating			6						

			Maintenan	ce Recommen	dations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 55.6	/55.6	Sufficiency Rating ((Last/Now)	76.6/75.0	Est. Repl. Yr	2043 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Tim [Previous	Previous Assistant's Name					
Next Inspection Date	12-Sep-201	3		Previous	Inspection Date	02-Mar-2007				
Inspection Cycle (Default) (months)	39					,				
Comment										