				Bric	lge Culv	ert Insne	ection							
Bridge File Nur	nber	82174 -	1 Bridge Culve						CUL1					
Year Built 2008		- Dilago Gaire	<u>`</u>			Form Type Lot No.		4						
	Bridge or Town Name WA		RCOURSE CUL		tor Name		Jason Saly							
		17km SW OF DRUMHELLER					Inspector Class BR CLS A							
		TRIBUTARY TO ROSEBUD RIVER, 3.33.3, WATERCRS-ST					Assistant Name							
Located On			24.796			Assista	int Class							
Water Body Cl.	/Year					Inspect	Inspection Date 18-Oct-2012							
Navigabil. Cl./Year						Data Entry By Marcia Chavez								
		NE SEC	C 16 TWP 28 R	Data Entry Date			02-Nov-2012							
Longitude, Latit	tude	-112:53	3:27, 51:23:40	Review	Reviewer Name John O'Brien									
		Alberta	Transportation	Review Date 25-Oct-2012										
Contract Main.	Area	CMA29			pt. Reviewer Name Andrew Smikles									
Clear Roadway	/Skew					Dept. Review Date			05-Nov-2012					
AADT/Year		2,560 /	2011 (A)			Follow-	Follow-Up By							
Road Classifica	ation	RAU-21	12.0-110											
Detour Length	(km)													
Bridge Culvert		nation												
Number of Culv			1											
Pipe #	Barrel		Span	Rise (or Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		-	1600	MP		39		125X26	2.8	ROUND			
Special Feature	es													
Special Feature	es Com	ment												
				ı	Itilities (l	Located	at)							
Utility Attachme	ents			,	(Collina	Located	at)							
Telephone		perty line. Gas												
Power	11	, p = 1.1,	<u>.                                    </u>	Municip	pal									
Others						Problem (Y/N)								
Remarks														
				Appro	ach Roa	d / Emba	ankment							
				Las	t Now									
Horizontal Alignment					6	Locate	d on a curve	e.						
Vertical Alignment			_		7									
Roadway Width	Roadway Width (m)		15.000											
Embankment					7									
Sideslope (	_:1)		3.0											
(Height of Co	ver(m)	: <b>2</b> )		,										
Guardrail (Y/N)			No											
Approach Roa	id / Eml	bankme	ent General Rating		6									
					Unstre	⊣ eam End								
Culvert Compo	onent			Las			ation of Co	onditi	on					
Direction			W	<u>'</u>										
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall					Х									
Collar					Х									
Wingwalls					X									
(Shape: )														
Cutoff Wall					X									
Outon vvan														

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End			8								
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	100										
Scour Protection			8								
(Type: RIP RAP)											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion			8								
Beavers (Y/N)	No										
Deavers (1/N)	INO		1								
<b>Upstream End General Rating</b>			8								
Bridge Culvert Barrel											
Culvert Component Last Now Explanation of Condition											
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	):	, Rise (mm): 1600, Type: MP)							
Barrel Last Accessible Date	18-Oct-2012										
Special Features											
Special Feature											
(Type:)											
Special Feature				_							
(Type:)		<u> </u>									
Roof			7	Rise at W end=1613=13mm=0.8%							
Measured Rise (mm)	1613		'	Rise at Midpipe=1598=2mm							
Measured At Ring No.	1010			Rise at E end=1602=2mm							
Sag (mm)	13			Upwards							
Percent Sag	1										
Sidewall			7	Span at W end=1578=22mm=1.4%							
Measured Span (mm)	1578			Span at Midpipe=1585=15mm							
Measured At Ring No.				Span at E end=1588=12mm							
Deflection (mm)	22			Inwards							
Percent Deflection	1										
Floor			7								
Bulge (mm)	0			1							
Measured At Ring No.											
Abrasion (Y/N)	No										
Circumferential Seams			7								
Separation (mm)	35										
Longitudinal Seams			Х								
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			6	Minor							
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	Yes										
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										

82174 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	•					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1600, Type: MP)					
Fish Passage Adequacy			7						
Baffle			Х						
(Type:)									
Waterway Adequacy			7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			7						
		D	ownstr	ream End					
Culvert Component	ulvert Component		Now	Explanation of Condition					
Direction		E							
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall			Х						
Collar			Х						
Wingwalls			X						
(Shape: )									
Cutoff Wall			Х						
Bevel End			8						
Heaving (mm)	Heaving (mm) 0								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	50								
Scour Protection			8						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 400)									
Scour/Erosion			8						
Beavers (Y/N)	No								
Downstream End General Ratin	ng		8						
		s	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		T							
Alignment			8						
Bank Stability			7						
HWM (m below Top of Culvert)				HWM not visible.					
Orift (Y/N) No									
Channel Bottom Degrading/Aggrading				Unknown					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			8						

Maintenance Recommendations												
Inspector Recommendations		Year Inspector Comments					Department Con	nments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTO	)FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		/77.8		Sufficiency Rating (Last/Now) (%)		w) /	77.5	Est. Repl. Yr 2055		Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection							Department Comments					
Maintenance Reviewed By							Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy											·	
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name					P	revious A	Assistant's Name					
Next Inspection Date 18		18-Jul-2014 Previous In					nspection Date					
Inspection Cycle (Default) (months) 21												
Comment												