					Bridg	e Culve	ert Inspe	ection						
Bridge File Nur	mber 8	81959 -	1 Bridge Culve	rt			Form T	уре		CUL1				
Year Built		1994					Lot No.	•		4				
Bridge or Town	Name I	EAST C	OULEE				Inspector Name			Jason Saly				
Bridge or Town Name				R SP			Inspector Class			BR CLS A				
Bridge File Number 1994 Bridge or Town Name EAST COULEE Located Over TRAIL-ANIMAL, OVER SP Located On 570:01 C1 3.000 Water Body Cl./Year Navigabil. Cl./Year Legal Land Location SW SEC 23 TWP 27 RGE 18 W4 Longitude, Latitude -112:26:33, 51:19:15 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA21 Clear Roadway/Skew 9.4 / AADT/Year 450 / 2009 (A) Road Classification RCU-209-110 Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span Rise (or Details of Contract							Assistant Name							
Bridge File Number							Assistant Class							
Pear Built Bridge or Town Name Located Over Located On S70:01 C1 3.000 Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Longitude, Latitude, Longitude						Inspec	tion Date		26-Nov-2010					
Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification RCU-209-110 Detour Length (km) Detour Length (km) Pipe # Barrel Barrel Span Rise (or  MAIN Special Features CONC FLOOR Special Features Comment  Required Vert. Clearance Posting (m) Posted: Lane NB On Bridge (m) In Adv					'4M		Data E	ntry By		Marcia Chavez	Z			
Pear Built Bridge or Town Name EAST COULEE Located Over TRAIL-ANIMAL, OVER SP Located On Trail-ANIMAL, OVER SP Land Location SW SEC 23 TWP 27 RGE 18 W Located SE Located On The Second							Data E	Data Entry Date 11-Jan-2011						
Year Built			(AIT)			Reviewer Name John O'Brien								
Year Built						Review Date 12-Dec-2010								
Clear Roadway	//Skew 9	9.4 /					Dept. F	Reviewer	Name					
Pear Built 1994  Bridge or Town Name EAST COULEE  Located Over TRAIL-ANIMAL, OVER SP  Located On 570:01 C1 3.000  Water Body CI./Year  Navigabil. CI./Year  Legal Land Location SW SEC 23 TWP 27 RGE 18 Manual Longitude, Latitude -112:26:33, 51:19:15  Road Authority Alberta Transportation (AIT)  Contract Main. Area CMA21  Clear Roadway/Skew 9.4 /  AADT/Year 450 / 2009 (A)  Road Classification RCU-209-110  Detour Length (km) 20  Bridge Culvert Information  Number of Culverts 1  Pipe # Barrel Span Rise (continue)  1 MAIN - 2200  Special Features Comment  Required Vert. Clearance Posting (m)  Posted Vertical Clearance (Y/N)  Posted: Lane NB On Bridge (m) In Actinue Remarks Not Required  Utility Attachments  Telephone Power  Others  Remarks  Horizontal Alignment  Vertical Alignment  Roadway Width (m) 9.400  Embankment							Dept. Review Date		11-Jan-2011					
Prince Post Part Part Part Part Part Part Part Par		9-110				Follow-Up By								
Navigabil. Cl./Year Legal Land Location SW SEC 23 TWP 27 RGE 18 Longitude, Latitude -112:26:33, 51:19:15 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA21 Clear Roadway/Skew 9.4 / AADT/Year 450 / 2009 (A) Road Classification RCU-209-110 Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span Rise 1 1 MAIN - 2200 Special Features CONC FLOOR Special Features Comment  Required Vert. Clearance Posting (m) Posted Vertical Clearance (Y/N) Posted: Lane NB On Bridge (m) In // Remarks Not Required  Utility Attachments Telephone Power Others Remarks														
								1		I				
Pipe #	Barrel		Span		Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-		MP	P 29			125X26	2.8	ROUND			
Special Feature	es	-	CONC FLOOP	}										
Special Feature	Special Features Comment													
					Po	etina Ir	nformati	ion						
Required Vert	Clearanc	e Postii	na (m)		1 0	Stilly II	HOIIIIat	IOII						
·														
						Y/N)	L	ane SB	0	n Bridge (m)	In Adva	nce (Y/N)		
1 = 0.1.10			inage (,	,	<u> </u>	.,,		uo   02		z.i.ago ()	11171474	(1,11)		
		<u>'</u>			Uti	lities (L	ocated	at)						
Utility Attachme	ents					,								
							Gas							
							Municip	oal						
Others							Proble	m (Y/N)	No					
Remarks														
				A	oproac	ch Road	l / Emb	ankment						
					Last	Now	Explan	ation of	Condi	tion				
Horizontal Align	nment				6	6	In the r	niddle of	the cur	rve.				
					7	7								
Roadway Width	h (m)		9.400			_								
Embankment					7	N	Snow o	covered.						
Sideslope (	_:1)		2.0				On Sou	uth side.						
(Height of Cover(m): 1.7)														
Guardrail (Y/N) No														
Approach Roa	ad / Emba	ankmer	nt General Ra	ing	6	6								
						Upstre	am End							
<b>Culvert Compo</b>	onent				Last	Now	Explan	ation of	Condi	tion				
Direction					N									
End Treatment Others, None)	(Concret	te, Stee	I, STEEL											
Headwall					Х	X								
Collar					Х	X								

			Unstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Wingwalls		X	X	Explanation of Condition				
(Shape: )				-				
Cutoff Wall		7	N	(Ends and top are visible. 19Feb2009).				
Cuton Wan			IN .	(Litus and top are visible. 191 eb2009).				
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300		_					
Scour Protection		8	N					
(Type : )								
(Avg. Rock Size(mm):)								
Scour/Erosion		8	N					
Beavers (Y/N)	No							
Deavers (1/N)	NO							
<b>Upstream End General Rating</b>		7	7					
		Brid	dge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, S	pan (mm	):	, Rise (mm): 2200, Type: MP)				
Barrel Last Accessible Date	26-Nov-2010							
Special Features			I					
Special Feature			X	Ice and Salt covered				
(Type : CONC FLOOR)								
Special Feature								
(Type:)								
Roof		7	8	Could not measure rise due to conc. floor.				
Measured Rise (mm)				_				
Measured At Ring No.								
Sag (mm)	20							
Percent Sag	1							
Sidewall	1	8	8	Span measured at N end = 2208 - 8mm; Midpt = 2181 - 19mm=0.9%; S end = 2190 - 10mm.				
Measured Span (mm)	2181			1911111=0.9%, 3 end = 2190 - 10111111.				
Measured At Ring No.				1				
Deflection (mm)	19							
Percent Deflection	1		_					
Floor		N	N	Concrete floor. Appears good. Partially covered by silt.				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	7	1 seam - minor bend at CL.				
Separation (mm)	25							
Longitudinal Seams		X	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		6	6	Soil is corrosive & galvanizing is				
Corrosion By Soil (Y/N)	Yes			gone on exterior.				
Corrosion By Water (Y/N)	No							

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	n):	, Rise (mm): 2200, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	7	Also used for localized ditch runoff.
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		7	8	
		D	ownst	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		8	N	
(Type:)				
(Avg. Rock Size(mm):)		1		
Scour/Erosion		8	N	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
				re Usage
		Last	Now	Explanation of Condition
Grade Separation			1	
Road Alignment		7	7	
Roadway Surface		7	7	
(Type : <b>SOIL</b> )				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Туре				
Lighting		X	X	
Barrel Leakage (Y/N)	No			

Structure Usage										
			Now	Explanation of Condition						
Drainage		7	7							
Structure In Use (Y/N) No				No signs of use.						
Grade Separation General Rating			7							

				Maintenance	Recommend	dations					
Inspector Recommendations			Year Inspector Comments			Department Comi		Target Year	Est. Cost	Cat #	
SHOTCRETE REI	PAIRS			·							
PLACE ADDITION	NAL RIP RAP										
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING		i									
INSTALL STRUTS	3										
INSTALL CONCRETE COLLAR/CUTOFF		OFF									
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)			77.8/88.9 Sufficiency Rating (Last/			79.2/80.8	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection	Also used for localiz	zed ditch	runoff (0	6May2004). Life reduced due to o	corrosive soil.	Department Comments					
Maintenance Revi	ewed By					Date		E	Estimated Tota	1 0	
		2006.10	).25 Cro	vn quarter, remove underpass wh	en next upgra	ading occurs, unless	required for draina	age.			
On 3-Year Program (Y/N) N		N									
• ` '		2006.10.25 Alley fencing could be removed immediately as it is				not being used.					
Previous Inspector's Name Gar		Garry Roberts			Previous	Previous Assistant's Name					
Next Inspection Da	ate	26-Feb-2014			Previous	Previous Inspection Date 19-Feb-2009					
<u>'</u>		39					'				
Comment	-, \										