					Bridg	e Culve	rt Insp	ection		l				
Bridge File Num	ber 7	70705 -	1 Bridge Culver	rt			Form 1	уре		CUL1				
Year Built Bridge or Town Name TROCHU Located Over TRIBUTAL 3.50.11, W Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Bridge Culvert Information Number of Culverts TRIBUTAL 3.50.11, W ABU-AL 3.50.11, W ABU-A						Lot No.			4					
Bridge or Town	Name T	roch	IU				Inspector Name			Owen Salava				
Located Over	T	RIBUT	ARY TO GHOS	STPINE C	CREEK	ζ,	Inspector Class			BR CLS A				
Located On				51			Assistant Name							
		21.14 0	1 43.170				Assistant Class							
							Inspec	tion Date		18-Sep-2012				
Navigabil. Cl./Year Legal Land Location SW SEC 2 Longitude, Latitude -113:14:28 Road Authority Alberta Tra Contract Main. Area CMA20 Clear Roadway/Skew 12.2 / 5 de AADT/Year 3,170 / 201 Road Classification RAU-211.8 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span 1 MAIN - Special Features		^ 20 TWD 22 D	CE 22 W	484		Data E	ntry By		Marcia Chavez	/larcia Chavez				
				.GE 23 VV	4IVI		Data Entry Date		03-Oct-2012					
,				/ / IT \			Reviewer Name			John O'Brien				
			Transportation	(Δ11)	l l		Review Date		27-Sep-2012					
			dea (RHF)			Dept. Reviewer Name			es					
Water Body CI./Year Navigabil. CI./Year Legal Land Location SW SEC Longitude, Latitude -113:14:2 Road Authority Alberta T Contract Main. Area CMA20 Clear Roadway/Skew 12.2 / 5 o AADT/Year 3,170 / 2 Road Classification RAU-211 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel S 1 MAIN - Special Features Special Features Comment Utility Attachments Telephone West fenceline. Power Others Fibre optic E r/v Remarks Horizontal Alignment						Dept. Review Date		16-Oct-2012						
Road Authority Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Bridge Culvert Informa Number of Culverts Pipe # Barrel 1 MAIN Special Features Special Features Comm Utility Attachments Telephone West fee Power Others Fibre o			. ,		Follow-Up			-Up By	Ву					
							l							
			1											
			Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 1	MAIN		-	2150		SP		53		152X51	3.0	ROUND		
Special Features	s										'			
Special Features	s Comm	ent												
Little Attackers					Uti	lities (L	ocated.	at)						
	T .	naalina					Gas							
-	vvestie	riceiirie	; .					201						
	Fibro or	ntic E r/					Munici	m (Y/N)	No					
	rible of	plic E i/	vv.				FIUDIE	II (1/I N)	INO					
Remarks				Aı	oproac	ch Road	l / Emb	ankment						
					Last		Explanation of Condition							
Horizontal Align	ment				7	7	Farm e	ntrance 1	00m S	South, West side).			
Vertical Alignme	ent				7	7	In botto	om of long	g sag, g	good sight dista	nce.			
Roadway Width (m)		12.200												
Embankment					7	7	4:1 at ı	oadway.						
Embankment Sideslope (:1)		3.0												
(Height of Cov	/er(m) : 5	5.8)												
Guardrail (Y/N)			Yes											
Approach Road	d / Emba	ankmer	nt General Rat	ing	7	7								
	Upstream End													
Culvert Compo	nent				Last	Now	Explar	ation of	Condi	tion				
Direction					W									
End Treatment (Others, None)	(Concret	e, Stee	I, STEEL											
Headwall					Х	Х								
Collar		Х	X											
Wingwalls			X	X										
(Shape:)														
Cutoff Wall					X	X								

70705 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	Projects 450 mm from fill at North.
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	7	Farmer has crossing with 900 mm CSP 20 m U/S - dumps field stone
(Type : RIP RAP)				into channel.
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
GCGGI/ETGSIGIT		,		
Beavers (Y/N)	No			
Upstream End General Rating	<u> </u>	6	6	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN 9			, Rise (mm): 2150, Type: SP)
		Span (IIIII	·)·	, itise (iiiii). 2130, Type. Or)
Barrel Last Accessible Date	18-Sep-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		'		
Roof		6	6	
Measured Rise (mm)	2100			
Measured At Ring No.	7			
Sag (mm)	50			2.3%
Percent Sag	2			
		4	1	Cracked sidewall seam.
Sidewall Magazinad Span (mm)	2475	4	4	Clacked Sidewall Sealth.
Measured Span (mm)	2175			
Measured At Ring No.				
Deflection (mm)	25			1.2%
Percent Deflection	1			
Floor	I	N	N	400 mm deep rock at U/S 1/2. Under water.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	8	
Separation (mm)	0			
Longitudinal Seams		4	4	Ring 7, South sidewall, 16 bolts - minor.
Total No. of Cracked Rings	1			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	137			
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating	. 55	5	5	Evidence of alkali at bolt holes.
	Yes	5	່ວ	Leaking through bolt holes.
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

70705 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2150, Type: SP)					
Fish Passage Adequacy		7	7						
Baffle		Х	X						
(Type:)									
Waterway Adequacy		6	6						
Icing (Y/N)	No			Riprap in culvert.					
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		4	4						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		E							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		X	X						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		Х	X						
Bevel End		6	6	Projecting 400mm from fill.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	600								
Scour Protection		5	5						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 250)			1						
Scour/Erosion		5	5						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	5	5						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Channel (U/S and D/S) Alignment		6	6						
Bank Stability		7	7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	AGGRADING								
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

		Maintena	ance Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTOFF									
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 44.4/4	4.4 Sufficiency Rating (%)	j (Last/Now)	52.6/52.6	Est. Repl. Yr	2020	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	Dave Lam		Previous	Assistant's Name					
Next Inspection Date	18-Jun-2014		Previous	Inspection Date	10-Nov-2010				
Inspection Cycle (Default) (months)	21								
Comment									