Bridge File Number Year Built Bridge or Town Nam Located Over Located On Water Body Cl./Year Navigabil. Cl./Year Legal Land Location	1970 e ENTRA	1 Bridge Culve	rt			Form T			CUL1							
Year Built Bridge or Town Nam Located Over Located On Water Body Cl./Year Navigabil. Cl./Year	1970 e ENTRA FOX CF	•									CUL1					
Located Over Located On Water Body Cl./Year Navigabil. Cl./Year	FOX CF	NCE				Lot No.			2							
Located Over Located On Water Body Cl./Year Navigabil. Cl./Year	FOX CF					Inspect	or Name		Shane Hall							
Water Body Cl./Year Navigabil. Cl./Year	ST						tor Class		BR CLS A							
Water Body Cl./Year Navigabil. Cl./Year						Assistant Name										
Navigabil. Cl./Year						Assistant Class										
	Water Body Cl./Year					Inspect	tion Date		18-Oct-2012							
Legal Land Location						Data Entry By			Theresa Lacusta							
						Data Entry Date			26-Nov-2012							
Longitude, Latitude -118:16:03, 53:42:50						Reviewer Name			Eric Carcoux							
Road Authority Alberta Transportation (AIT)					Review Date				19-Nov-2012							
Contract Main. Area CMA05						Dept. Reviewer Nar										
Clear Roadway/Skev		deg. (LHF)				Review Dat	e	06-Dec-2012								
AADT/Year		2011 (A)				Follow-Up By										
Road Classification RAU-209-110						_ ' '										
Detour Length (km)	420															
Bridge Culvert Infor	rmation															
Number of Culverts		1	1						l							
Pipe # Barre	el	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape					
1 MAIN	J	4390	4841		SPE		64.6		152X51	4.8	ELLIPSE					
Special Features		SHOTCRETE			0		0 1.0		102/101	<u> </u>	122211 02					
Special Features Co		ONOTONETE	DE7 (IVI													
opedial i datares del																
				Uti	ilities (L	_ocated	at)									
Utility Attachments																
Telephone Wes			Gas													
Power					Municip	oal										
Others						Probler	m (Y/N) m	No								
Remarks File	tag installe	ed in top of We														
			A				ankment									
						Explanation of Condition										
Horizontal Alignment				7	7	Land access 100m north. In sag curve with limited sight distance both directions. No passing										
Vertical Alignment				6	6	NB.										
Roadway Width (m) 8.300																
Embankment			N	6												
Embankment Sideslope (:1) 3.0			IN	0												
	ı) · 6)	3.0				-										
(Height of Cover(m) : 6) Guardrail (Y/N) Yes						Broken	TT nost @) NI\/	NW corner - photo							
Guardrail (Y/N) Yes				Broken TT post @ NW corner - photo. 2 damaged sections of W-beam @ SE cornerphoto 2 broken TT posts @ SW cornerphoto												
			_		2 broke	en TT posts	s @ S	SW cornerpho	to							
Approach Road / Er	mbankmei	nt General Rat	ing	6	6											
					Upstre	am End										
Culvert Component				Last	Now		ation of C	ondi	tion							
Direction				W												
End Treatment (Condothers, None)	crete, Stee	I, CONCRETE														
Headwall				Х	X											
Collar			N	4	Hairline cracks in collar 1.0 m apart. Concrete on the side of the bevel has settled 500mm. Wide crack at NW corner.											
Wingwalls				X	X				·-··							
(Shape:)				,	,,											

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	Х	No cutoff wall confirmed Oct 18, 2012.
Bevel End		6	6	
Heaving (mm)	50			
Invert Above/Below Stream Bed				
Above/Below (mm)	500			
Scour Protection	1000	N	5	Concrete placed over rock in apron is broken up and failed. Riprap
(Type: RIP RAP)				functioning.
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		N	5	
	ı			
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,	Span (mm): 4390	, Rise (mm): 4841, Type: SPE)
Barrel Last Accessible Date	18-Oct-2012			
Special Features				
Special Feature		7	6	
(Type: SHOTCRETE BEAM)				
Special Feature				
(Type:)				
Roof		5	5	
Measured Rise (mm)	4641			
Measured At Ring No.	9			
Sag (mm)	200			
Percent Sag	4			
Sidewall		5	3	
Measured Span (mm)	4558			Could not reach springline to confirm. Measurement taken Nov 24, 2010.
Measured At Ring No.	9			3.8%
Deflection (mm)	168			Sidewall rating affected by cracked rings.
Percent Deflection	4			
Floor		N	5	Rated visible portions. Majority covered by rock/gravel.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		7	7	What is visible.
Separation (mm)	0			
Longitudinal Seams		4	3	Rings 12, 13 & 14 crack 4:00 S wall. 4:00 seam is poorly torqued.
Total No. of Cracked Rings	3			Haunch backfill suspect.
Total No. of Rings with Two				Rated visible seams, missing 3 bolts in R2/R3 @ 9 o'clock. Missing nut on one bolt @ 2 o'clock seam in R2.
Cracked Seams				-
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		6	6	Some superficial rust along floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

		Brid	dge Cu	lvert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 4390), Rise (mm): 4841, Type: SPE)						
Ponding (Y/N)	No									
Fish Passage Adequacy			3	Perched outlet.						
Baffle			Х							
(Type:)		1								
Waterway Adequacy		5	4	Iced up to 2/5 diameter. (27/June/2007)						
Icing (Y/N)	Yes			Large scour hole d/s.						
Silting (Y/N)	Yes									
Drift (Y/N) No			1							
Barrel General Rating		4	3							
		D	ownstr	ream End						
Culvert Component		Last		Explanation of Condition						
Direction		E	111011							
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar		Х	Х							
Wingwalls		X	X							
(Shape:)			1							
Cutoff Wall		X	X							
Bevel End		5	5	Bevel perched for 1m.						
Heaving (mm)	300									
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	300		1							
Scour Protection		4	4	Scour @ d/s end.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 500)		1	1							
Scour/Erosion		4	4	10mx10m scour hole @ outlet.						
Beavers (Y/N) No										
Downstream End General Ratio	ng	4	4							
		S	tructu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)			1							
Alignment		8	8							
Bank Stability		8	8							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading DEGRADING				(Downstream.						
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		8	8							

				Maintenan	ce Recommend	dations							
Inspector Recommendations	Υ	'ear	Inspector	Comments		Department Con	nment	ts		Target	Year	Est. Cost	Cat #
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUT	OFF												
REPAIR SEAMS													
OTHER ACTION													
OTHER ACTION		013	Replace beam sec	broken TT posts and option.	damaged with								
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/N (%)	ow) 4	y) 44.4/33.3 Sufficiency Rati		Sufficiency Rating (I (%)	Last/Now)	Now) 45.8/29.8		. Repl. Yr	2023 N		Maint. Reqd. (Y/N)		Yes
Special Monitor collar, d/s e Next Inspection	erosion.					Department Comments							
Maintenance Reviewed By						Date			E	Stimate	d Total	0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Shane Hall					Assistant's Name	ne							
Next Inspection Date 18-Ju		18-Jul-2014 Previous					Inspection Date 24-Nov-2010						
Inspection Cycle (Default) (months)	21												
Comment													