Bridge Culvert Inspection														
							Form 7			CUL1				
Year Built		1966					Lot No			4				
Year Built 1966 Bridge or Town Name MAYERTHOLOCATED TRIBUTAR 8.11.84.30. Located On 22:32 C1 43 Water Body Cl./Year Navigabil. Cl./Year Legal Land Location SW SEC 33 Longitude, Latitude -115:08:32, Road Authority Alberta Traice Contract Main. Area CMA10 Clear Roadway/Skew 7.6 / -10 de AADT/Year 880 / 2010 Road Classification RAU-209-1 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Spa			RTHORPE				Inspector Name			Wade Nanninga				
Year Built 1966 Bridge or Town Name MAYERTH Located Over TRIBUTAR 8.11.84.30 Located On 22:32 C1 4 Water Body CI./Year Navigabil. CI./Year Legal Land Location SW SEC 3 Longitude, Latitude -115:08:32 Road Authority Alberta Tra Contract Main. Area CMA10 Clear Roadway/Skew 7.6 / -10 de AADT/Year 880 / 2010 Road Classification RAU-209-20 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN 17		TARY TO LITTL .30.19.5, WATE	E PADDI	_E RIV	ER,	Inspector Class			BR CLS A					
Located On			·				Assistant Name							
Water Body Cl./	Year						Assistant Class			00 0 1 0011				
•								tion Date		03-Oct-2011				
		SW SE	C 33 TWP 57 R	GE 8 W5	M			ntry By		Theresa Lacu	sta			
		-115:08	3:32, 53:58:01				Data Entry Date 25-Oct-2011							
			rta Transportation (AIT)					Reviewer Name Eric Carcoux Review Date 25-Oct-2011						
	Area		·	,						25-Oct-2011				
										Brent Herrick				
								Review Da	ate	26-Oct-2011				
Road Classificat	tion						Follow	-Up By						
Detour Length (	km)	3												
		ation												
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or Dia		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		1724	1901		SPE		51.2		152X51	3.0	ELLIPSE		
Special Feature	 S			1.22.										
					Uti	ilities (L	ocated	at)						
Utility Attachme	nts					·		<u> </u>						
Telephone East r/w.							Gas		30m s	south.				
Power							Municipal							
Others Tag at West end of pipe.							Proble	m (Y/N)	No					
Remarks														
Approach Road / Embankment														
					Last	Now	Explanation of Condition							
Horizontal Alignment				8	8	No passing. At the bottom of short sag curve with blinding crest curves both								
Vertical Alignme			7.000		5	5	sides.		SHOILS	sag curve with	oilliding crest (	Curves Doill		
Roadway Width	(m)		7.600				No sho	oulders.						
Embankment					6	6								
Sideslope (	:1)		3.0											
(Height of Cover(m) : 6)														
Guardrail (Y/N)		No												
Approach Road / Embankmen			nt General Rating		5	5								
						Upstre								
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion				
End Treatment (Concrete, Steel, STEEL			W		_									
Others, None) `Headwall				X	Х									
Collar			X	X										
Wingwalls					Х	X								
(Shape: )														
Cutoff Wall				Х	X									

13467 -1 Bridge Culvert

			Unstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	4	ZAPIGITATION OF CONTROLS
Heaving (mm)	300			
Invert Above/Below Stream Bed				Perforations in floor
Above/Below (mm)	100			
Scour Protection		4	4	
(Type : <b>NONE</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		4	4	0.5m vertical channel banks. 0.2m high x 0.5m long x 2m wide scoul
		·		hole at bevel.
Beavers (Y/N)	Yes			Log across bevel.
Upstream End General Rating		4	4	
		Brid	dge Cu	llvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			
Barrel Last Accessible Date	03-Oct-2011		<i>,</i>	600mm deep water along floor
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		<u> </u>		
Roof		4	5	
Measured Rise (mm)	1800			
Measured At Ring No.	8			
Sag (mm)	101			
Percent Sag	5			
Sidewall		4	5	
Measured Span (mm)	1830			
Measured At Ring No.	8			
Deflection (mm)	106			
Percent Deflection	6			
Floor		N	N	Silt & water covered.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		6	6	
Separation (mm)	0			1
Longitudinal Seams		6	6	
Total No. of Cracked Rings	0			Only 1/2 visible
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				Last 4 rings not lapped properly. 1N.
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		4	4	Extensive corrosion and pitting rust near waterline.
Corrosion By Soil (Y/N)	Yes	,		
Corrosion By Water (Y/N)	Yes			1
Corrosion By Water (Y/N)  Camber POS/ZERO/NEG	Yes     NEG			

13467 -1 Bridge Culvert

		Brio	lge Cul	lvert Barrel			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	<u>): 1724</u>	, Rise (mm): 1901, Type: SPE)			
Ponding (Y/N)	Yes						
Fish Passage Adequacy		4	4	Outlet above (hanging) SB by 500mm.			
Baffle		Х	Х				
(Type:)							
Waterway Adequacy		6	6				
Icing (Y/N)	No						
Silting (Y/N)	No						
Drift (Y/N)	No						
Barrel General Rating		4	5				
		D	ownstr	ream End			
Culvert Component		Last	Now	Explanation of Condition			
Direction		Е					
End Treatment (Concrete, Steel, Others, None)	STEEL						
Headwall		Х	Х				
Collar			Х				
Wingwalls			Х				
(Shape: )							
Cutoff Wall		X	Х				
Bevel End			4	Bevel bent to the south.			
Heaving (mm)	400						
Invert Above/Below Stream Bed	ABOVE						
Above/Below (mm)	600						
Scour Protection		4	4				
(Type : RIP RAP)							
(Avg. Rock Size(mm) : <b>150</b> )							
Scour/Erosion		4	4	Scour hole, 8m x 10m x 1m. Material lost from around bevel.			
Beavers (Y/N)	No						
Downstream End General Ratio	ng	4	4				
				re Usage			
21 1 (1/2 12/2)		Last	Now	Explanation of Condition			
Channel (U/S and D/S)							
Alignment		4	4	Channel makes an "S" before entering.			
Bank Stability		4	4	Vertical sloughing banks U/S & D/S.			
HWM (m below Top of Culvert)				No HWM visible.			
Drift (Y/N) Yes							
Channel Bottom Degrading/Aggrading  DEGRADING				Beaver activity downstream.			
Beavers (Y/N)	Yes						
(Fish Compensation Measure 1 :	· · · · · · · · · · · · · · · · · · ·						
(Fish Compensation Measure 2 :	NONE)	4					
Channel General Rating			4				

			Mainten	ance Recommer	dations						
Inspector Recommendations	Year	r Inspec	tor Comments		Department Com	ments		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											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N(%)	low) 44.4/	/55.6	Sufficiency Ratin	g (Last/Now)	44.5/49.5	Est. Repl. Yr	2019	Maint. Re	qd. (Y/N)	No	
Special Monitor scour and Comments for Next Inspection	barrel deflection	ons.			Department Comments						
Maintenance Reviewed By					Date		E	stimated Tota	1 0		
Proposed Long-Term Strategy									_		
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Kris Bosters	3		Previous	Assistant's Name	Sara Wadlow	Sara Wadlow				
Next Inspection Date	03-Jul-2013			Previous	Inspection Date	19-Nov-2009					
Inspection Cycle (Default) (months)	21			(	,						
Comment											