Bridge Culvert Inspection														
Bridge File Num	dge File Number 09241 -1 Bridge Culvert						Form 7	уре		CUL1				
Year Built		1955				Lot No.				4				
Bridge or Town	Name	CHER	HILL				Inspec	ctor Name Melanie Johnson						
Located Over		TRIBU	TARY TO PEME	BINA RIV	ER,		Inspec	tor Class		BR CLS B				
			C1 14.574	.39, WATERCRS-ST				ant Name						
		704.02	C1 14.574				Assista	ant Class						
Water Body Cl./							Inspec	tion Date		27-Aug-2011				
Navigabil. Cl./Ye		C/V/ CE	C 27 TWP 57 R	OE E ME	: N /I		Data E	ntry By		Theresa Lacus	sta			
Longitude, Latitu):17, 53:57:01	GE 5 WS	DIVI		Data E	ntry Date		19-Sep-2011				
Road Authority			·	/AIT)	Reviewer Name					Eric Carcoux				
Contract Main. A			Alberta Transportation (AIT) CMA12				Reviev			07-Sep-2011				
Clear Roadway/		8/	<u>-</u>							Brent Herrick				
AADT/Year			110 (A)				Dept. Review Date			28-Sep-2011				
Road Classificat			/ 2010 (A) J-208-110				Follow-Up By							
		29	00 110											
Detour Length (km) 29 Bridge Culvert Information														
Number of Culve		<u> </u>	1											
	Barrel		Span Rise (or		Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 1	MAIN		1724 1901			SPE	46.9			152X51	3.0	ELLIPSE		
Special Features						-					1			
Special Features Comment														
·														
Utilities (Located at)														
Utility Attachments														
Telephone West r/w.						Gas								
Power	2 wires east r/w.					Munici		N1-						
Others						Proble	m (Y/N)	No						
Remarks BF tag installed @ top of West end roof. Approach Road / Embankment														
AP					Last			Explanation of Condition						
Horizontal Alignment				7	7	1			SE, no passin	a both directio	ins.			
Vertical Alignment			7	7	, , ,									
Roadway Width			8.000			_								
Embankment				8	8									
Sideslope (:1)		3.0												
(Height of Cover(m): 5)			1		-									
Guardrail (Y/N) No			No											
Approach Road / Embankment General Rating		ina	7	7										
- Constant and a second a second and a second a second and a second a second and a second and a second and a														
Culvert Component Last Now Explanation of Condition														
Culvert Component Direction			W	INOW	Бхріаі	iation of	Contail	lion						
End Treatment (Concrete, Steel, Others, None)			VV											
Headwall			Х	Х										
Collar			Х	X										
Wingwalls				X	X									
(Shape:)							1							
Cutoff Wall				Х	Х									

			linetre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	Explanation of Condition
Heaving (mm)	75	0	0	
	ABOVE			
	150			
Above/Below (mm) Scour Protection	150	F		
		5	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)			T -	
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Upstream End General Rating		6	5	
			da o O	liver's Power
Culvert Component				Ivert Barrel Explanation of Condition
Culvert Component	tion Code: MAIN Co			
(Pipe # : 1, Primary Span, Local		an (mir	1). 1724	, ruse (min). 1901, Type. SPE)
Barrel Last Accessible Date	27-Aug-2011			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		<u>'</u>		
Roof		5	5	Slightly distorted out of shape @ 1 o'clock.
Measured Rise (mm)	1805			
Measured At Ring No.	7			At c/l.
Sag (mm)	96			5.1% sag
Percent Sag	5			3.1 % say
Sidewall		5	5	
Measured Span (mm)	1810			
Measured At Ring No.				
Deflection (mm)	86			
Percent Deflection	5			
Floor		N	N	200mm water.
Bulge (mm)	0	IN	14	20011111 Water.
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams	V	7	7	
Total No. of Cracked Rings	0	/		
Total No. of Rings with Two	U			
Cracked Seams Min. Remaining Steel				451
Between Cracks (mm)				1N
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Minor superficial rust bottom 1/3.
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			D/S half, 200mm water.

09241 -1 Bridge Culvert

Culver Component Last Now Explanation of Condition (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1724, Rise (mm): 1901, Type: SPE) Fish Passage Adequacy X X Baffle X X Waterway Adequacy 6 6 6 Loing (Y/N) No 5 5 Sitting (Y/N) No 5 5 Downstream End Culvert Component Last Now Explanation of Condition Culvert Component Last Now Explanation of Condition Direction E End Treatment (Concrete, Steel, STEEL) STEEL Others, None) Wingwalls X X (Shape :) Cular X X Wingwalls X X X (Shape :) Culoff Wall X X Bevel End 6 6 6 Heaving (mm) 75 Invest Above/Below Stream Bed ABOVE Above/Below (mm) 200 Structure Usage Last			Brid	dge Cu	lvert Barrel				
Structure Usage Structure	_		Last	Now	Explanation of Condition				
Materway Adequacy	(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 1724	, Rise (mm): 1901, Type: SPE)				
Type :	Fish Passage Adequacy		X	Х					
Vaterway Adequacy	Baffle		Х	Х					
Color	(Type:)								
Color	Waterway Adequacy		6	6	(0.5m. 16/Feb/2005)				
Sitting (Y/N)	• • •	Yes							
Downstream End Downstream End Explanation of Condition Explanation Explanation of Condition Explanation Exp									
Downstream End Culvert Component Last Now Explanation of Condition									
Downstream End		110	5	5					
Last Now Explanation of Condition	Barrer General Rating								
Direction									
End Treatment (Concrete, Steel, Others, None)				Now	Explanation of Condition				
Cothers, None Headwall			E						
Collar	End Treatment (Concrete, Steel, Others, None)	STEEL							
Wingwalls	Headwall		X	X					
(Shape :) X X Cutoff Wall X X Bevel End 6 6 Heaving (mm) 75 75 Invert Above/Below Stream Bed ABOVE ABOVE Above/Below (mm) Scour Protection 5 5 (Type : RIP RAP) (Avg. Rock Size(mm) : 200) Scour/Erosion 5 5 Beavers (Y/N) No Structure Usage Last Now Explanation of Condition	Collar		X	X					
Cutoff Wall X X Bevel End 6 6 Heaving (mm) 75 75 Invert Above/Below Stream Bed ABOVE ABOVE Above/Below (mm) 200 5 Scour Protection 5 5 (Type: RIP RAP) (Avg. Rock Size(mm): 200) Scour/Erosion 5 5 Beavers (Y/N) No No Structure Usage Last Now Explanation of Condition	Wingwalls		X	X					
Bevel End	(Shape :)								
Heaving (mm) 75	Cutoff Wall		X	X					
Invert Above/Below Stream Bed ABOVE Above/Below (mm) 200 Scour Protection 5 5 (Type: RIP RAP) (Avg. Rock Size(mm): 200) Scour/Erosion 5 5 Beavers (Y/N) No Downstream End General Rating 6 5 Structure Usage Last Now Explanation of Condition	Bevel End		6	6					
Above/Below (mm) 200	Heaving (mm)	75							
Scour Protection 5 5 (Type: RIP RAP) (Avg. Rock Size(mm): 200) Scour/Erosion 5 5 Beavers (Y/N) No Downstream End General Rating 6 5 Structure Usage Last Now Explanation of Condition	Invert Above/Below Stream Bed	ABOVE							
(Type : RIP RAP) (Avg. Rock Size(mm) : 200) Scour/Erosion 5 5 Beavers (Y/N) No Downstream End General Rating 6 5 Structure Usage Last Now Explanation of Condition	Above/Below (mm)	200							
(Avg. Rock Size(mm) : 200) Scour/Erosion 5 5 Beavers (Y/N) No Downstream End General Rating 6 5 Structure Usage Last Now Explanation of Condition Channel (U/S and D/S)	Scour Protection		5	5					
(Avg. Rock Size(mm) : 200) Scour/Erosion 5 5 Beavers (Y/N) No Downstream End General Rating 6 5 Structure Usage Last Now Explanation of Condition Channel (U/S and D/S)									
Scour/Erosion 5 5 Beavers (Y/N) No Downstream End General Rating 6 5 Structure Usage Last Now Explanation of Condition Channel (U/S and D/S)									
Downstream End General Rating 6 5 Structure Usage Last Now Explanation of Condition Channel (U/S and D/S)			5	5					
Structure Usage Last Now Explanation of Condition Channel (U/S and D/S)	Beavers (Y/N)	No							
Channel (U/S and D/S) Last Now Explanation of Condition	Downstream End General Ratio	ng	6	5					
Channel (U/S and D/S) Last Now Explanation of Condition				·	ra Llacara				
Channel (U/S and D/S)									
	Channel (U/S and D/S)		Last	INOW	Explanation of condition				
			7	7					
	, mg mon			ľ					
Bank Stability 7 7	Bank Stability		7	7					
HWM (m below Top of Culvert) HWM not visible.	HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N) No		No							
Channel Bottom NONE									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)	·								
Channel General Rating 7 7			7	7					

			Maintena	nce Recommen	dations						
Inspector Recommendations	Year Inspector Comments				Department Com	-	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) 55.6	/55.6	Sufficiency Rating (Last/Now) (%)		60.3/58.6	Est. Repl.	Yr 20	20	Maint. Red	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date			Es	stimated Total	0	
Proposed Long-Term Strategy										_	
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave Lam			Assistant's Name							
Next Inspection Date	27-Nov-201	4		Inspection Date	09-Ma	y-2008					
Inspection Cycle (Default) (months)	39										
Comment											