					Brida	e Culve	ert Inspe	ction						
Bridge File Number 75316 -2 Bridge Culvert				Direc	o Garre	Form Ty			CUL1					
Year Built 1999							,,			4				
Bridge or Town I	Name		FAD						Melanie Johnson					
Located Over										BR CLS B				
			8.11.84.36.1, \				Assistant Name							
Located On		654:02 (C1 17.693	593				nt Class						
Water Body Cl./Year										27-Aug-2011				
Navigabil. Cl./Year							Data Entry By			Theresa Lacusta				
Legal Land Loca	tion	SE SEC	17 TWP 58 R	GE 3 W5	M		Data Entry Date			19-Sep-2011				
Longitude, Latitude -114:24:06,			06 54:00:24							Eric Carcoux				
Road Authority Alberta 1			Transportation (AIT)				Review Date			07-Sep-2011				
Contract Main. Area CMA10										Brent Herrick				
Clear Roadway/S	Skew		eg. (RHF)				Dept. R	eview Da	ate	28-Sep-2011				
AADT/Year		420 / 20					Follow-I	Uр Ву						
Road Classificat		RCU-20)9-110											
Detour Length (k		10												
Bridge Culvert I														
Number of Culve			1			_				···				
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 N	MAIN		3542	2600		RPE		28.6		152X51	3.0	ELLIPSE		
Special Features						-					, , ,			
Special Features		ment												
·														
					Ut	ilities (L	ocated	at)						
Utility Attachmer	· ·						I -		I					
Telephone North & South r/w.						Gas								
Power 1 wire North r/w. 2 O/H wires crossing h 30m East.			Hwy 6	54,	Municip									
Others						Problem	n (Y/N)	No						
Remarks	BF tac	a installe	d on top of Nor	th headw	all.									
	,	5	1			ch Road	l / Emba	nkment						
						Now	Explanation of Condition							
Horizontal Alignr	Horizontal Alignment			7	7	Hwy 33 jct 50m East. Ent 20m NE. No passing both directions.								
Vertical Alignme	Vertical Alignment		9	9										
Roadway Width	(m)		9.000											
Each culture of														
Embankment			5.0		8	8								
Sideslope (:		. 0. 2\	5.0											
Guardrail (Y/N)	(Height of Cover(m): 0.3)													
Guardiali (1/11)			No											
Approach Road	l / Eml	oankmer	nt General Rat	ing	7	7		_						
Culvert Camera	nont				Last	Upstrea Now	am End	ation of	Condi	tion				
Culvert Composition	HEIIL				N	INOM	LAPIAN	aliUli Ul	Sonal					
End Treatment (Concre	ete Stee	CONCRETE	:	11									
Others, None)		Jio, Diee	, JOINOIL IL	•										
Headwall			8	7										
			_											
Collar					8	7								
Wingwalls			Х	X										
(Shape:)					1									
Cutoff Wall				Х	X									
Caton Wan														

			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End	1	8	7	Explanation of Condition					
Heaving (mm)	0								
Invert Above/Below Stream Bed									
	400								
Above/Below (mm) Scour Protection	400	0	7	Field stone					
		8	/	Field stone. Sand/silt covering rock.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		8	7						
Beavers (Y/N)	No								
Upstream End General Rating	'	8	7						
		Brid	dge Cu	Ivert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			· -					
Barrel Last Accessible Date	27-Aug-2011		,						
Special Features									
Special Feature				Concrete Distribution Slab.					
(Type:)				"N"					
Special Feature									
(Type:)			_						
Roof		0	8	(2002/09/24) Control confirm covered by mudurator					
	2500	8	0	(2003/08/21) Can't confirm, covered by mud/water.					
Measured Rise (mm)	2560			At c/l.					
Measured At Ring No.	10								
Sag (mm)	40								
Percent Sag	2		_						
Sidewall	1	8	8	At c/l.					
Measured Span (mm)	3545			-					
Measured At Ring No.	4								
Deflection (mm)	3								
Percent Deflection									
Floor		N	N						
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		8	5						
Separation (mm)	0								
Longitudinal Seams		8	5						
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams	-								
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	No								
Coating		6	6	Rust stain from several bolt holes in seams.					
Corrosion By Soil (Y/N)	Yes	U		Trade drain from dovoral politifolds in double.					
Corrosion By Water (Y/N)	. 55								
	NEG								
	INCL								
Camber POS/ZERO/NEG Ponding (Y/N)									

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Location Code: MAIN, Span (mm): 3542, Rise (mm): 2600, Type: RPE)									
Fish Passage Adequacy		Х	Х						
Baffle		Х	X						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	Icing (Y/N) No								
Silting (Y/N)	Yes								
Drift (Y/N) No									
Barrel General Rating		8	8						
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	ı	S							
End Treatment (Concrete, Steel, Others, None)	Treatment (Concrete, Steel, CONCRETE ers, None)								
Headwall		Х	7						
Collar		Х	X						
Wingwalls			X						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End			7						
Heaving (mm) 0									
Invert Above/Below Stream Bed BELOW									
Above/Below (mm) 400									
Scour Protection			7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)			1						
Scour/Erosion		8	7						
Beavers (Y/N)	avers (Y/N) No								
Downstream End General Ratin	ng	8	7						
		s	tructu	e Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			5	Smooth bends in the channel U/S & D/S.					
Bank Stability			7						
HWM (m below Top of Culvert)									
rift (Y/N) No									
Channel Bottom NONE Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		5	5						

			Mainten	ance Recomme	ndations						
Inspector Recommendations	Year Inspector Comments				Department Com	nments	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS									J J		
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	i										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	ow) 88.9/8	8.9	Sufficiency Rating (Last/Now) (%)		82.3/80.4		Repl. Yr	2055 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date			E	Estimated Tota	I 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-2014			s Inspection Date	0.	7-May-2008					
Inspection Cycle (Default) (months)	39										
Comment											