Bridge Culvert Inspection															
Bridge File Number 80738 -1 Bridge Culvert				rt			Form Type			CUL1					
Year Built	Year Built 1984										4				
Bridge or Town	IVILLE					Inspect	or Name	;	Jason Saly						
Located Over	-ANIMAL, OVER SP					Inspect	or Class		BR CLS A						
Located On	1 9.856;16:28 R1 9.858					Assista	nt Name	;							
Water Body Cl.						Assista	nt Class	SS							
Navigabil. Cl./Year								Inspect	ion Date		18-Jul-2012				
Legal Land Location SE SEC 2								Data E	ntry By		Marcia Chavez				
Longitude, Latitude -111:13:4			3:48, 53:19:41					Data E	a Entry Date 31-Jul-2012						
Road Authority Alberta T			Transpor	ation	(AIT)			Review	Reviewer Name John O'Brien						
Contract Main. Area CMA15			5					Review Date 28-Jul-2012							
Clear Roadway/Skew 26.3 /								Dept. R	Dept. Reviewer Name Andrew Smikles						
AADT/Year 6,300 / 2								Dept. R	Dept. Review Date 02-Aug-2012						
Road Classifica	ation	RFD-41	2.4-130					Follow-Up By							
Detour Length	(km)	1													
Bridge Culvert Information															
Number of Culverts 1															
Pipe #	Barrel		Span		Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-		2000		MP		70		125X26	2.8	ROUND		
Special Feature	es														
Special Feature	es Comr	ment													
						_									
	Clearan		in a. (ma)			Po	sting li	nformati	on						
Required Vert.				Nia											
Posted Vertical Clearance (Y/N) No Posted: Lana NP On Bridge (m) Land Advance (Y/N) Lana CP On Bridge (m) Land Advance (Y/N)															
Posted: Lane NB On Bridge (m) In Advance (Y/N) Lane SB On Bridge (m) In Advance (Y/N)															
Remarks Not required. Utilities (Located at)															
Utility Attachme	ents														
Telephone	South	ı r/w.						Gas							
Power								Municip	al						
Others								Probler	n (Y/N)	No					
Remarks															
					Α	pproac		d / Emba							
						Last	Now		Explanation of Condition						
Horizontal Aligr						7	7	Road 100 m East.							
Vertical Alignm						7	7	_							
Roadway Width	ו (m)		26.300				_								
Embankment					7	7	_								
Sideslope (_:1)		6.0					_							
(Height of Co	ver(m) :	1.7)													
Guardrail (Y/N)		Yes				Only on rt. shoulder in each direction - max. length 46 m.									
Approach Roa	d / Emb	bankme	nt Genera	I Rat	ing	7	7								
							Upstre	am End							
Culvert Component			Last		Now	Explanation of Condition									
Direction						N									
End Treatment Others, None)	End Treatment (Concrete, Steel, NONE														
Headwall						Х	X								
Collar						X	X								

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Wingwalls		Х	X							
(Shape :)										
Cutoff Wall		Х	X							
Bevel End		Х	X	Square end.						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		N	7							
(Type : NATURAL)										
(Avg. Rock Size(mm) :)			1							
Scour/Erosion		N	7							
Beavers (Y/N)	No									
Upstream End General Rating		7	7							
		Bric	lge Cu	Ivert Barrel						
Culvert Component		1	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2000, Type: MP)						
Barrel Last Accessible Date	18-Jul-2012									
Special Features			1							
Special Feature										
(Type:)				-						
Special Feature										
(Туре:)										
Roof	1	6	6	Roof sag estimated.						
Measured Rise (mm)	1910			-						
Measured At Ring No.				-						
	Sag (mm) 90			-						
Percent Sag	5		1							
Sidewall		6	6	Span at S end=1996=4mm Span at 1/3pt.=2096=96mm=4.8%						
Measured Span (mm)	2096			Span at 2/3pt.=1952=48mm						
Measured At Ring No.				Span at N end=1956=44mm						
Deflection (mm) 96				4.8%						
Percent Deflection	5									
Floor	-	N	N	Covered with granular material.						
Bulge (mm)	0									
Measured At Ring No.				-						
Abrasion (Y/N)	No									
Circumferential Seams		4	4	2 seams allowing infiltration. Minor dents @ several locations. Leaking @ centerline seam under median ditch.						
Separation (mm)	20									
Longitudinal Seams		X	X							
Total No. of Cracked Rings				-						
Total No. of Rings with Two Cracked Seams				-						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)			_							
Coating		7	7							
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

80738 -1 Bridge Culvert

		Brid	lae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,			, Rise (mm): 2000, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		X	X	
Baffle		X	X	
(Type :)				
Waterway Adequacy		X	X	
Icing (Y/N)	No		Λ	
Silting (Y/N)	No			-
Drift (Y/N)	No			-
Barrel General Rating		6	6	
Culvert Component			ownsi Now	ream End Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall	1	Х	X	
Collar		Х	Х	
Wingwalls		X	Х	
(Shape :)		I		
Cutoff Wall		X	X	
Bevel End		Х	Х	Square end.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		N	7	_
(Type : NATURAL)				
(Avg. Rock Size(mm) :)			1	
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	7	7	
			1	re Usage
		Last	Now	Explanation of Condition
Grade Separation			-	
Road Alignment		7	7	Dirt on concrete.
Roadway Surface (Type : CONCRETE)		6	6	
Icing (Y/N)	No			
Traffic Safety Features		X	Х	
Туре				1
Lighting		X	X	
Barrel Leakage (Y/N)	No			

Structure Usage										
		Last	Now	Explanation of Condition						
Drainage			6							
Structure In Use (Y/N) No				Fences in poor repair.						
Grade Separation General Rating			6							

Maintenance Recommendations													
Inspector Recommendations		Year	Inspector Comments			Department Con	nments		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTC	DFF												
REPAIR SEAMS													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No	ow)	66.7/66.	7	Sufficiency Rating (L (%)	ast/Now)	77.0/77.0	Est. Repl. Yr	2034 Maint. Red		qd. (Y/N)	No		
Special Comments for Next Inspection						Department Comments							
Maintenance Reviewed By						Date		E	Estimated Total	0			
Proposed Long-Term Strategy 2		1.20 Catt 2030.	tlepass m	ay no longer be used. C	Consider remov	val or small culvert	liner for drainage if	necessary	/ when replace	ment require	ed.		
On 3-Year Program (Y/N)	Y	Y											
Proposed Action 200		1.08 Che	eck in two	years time for continue	d usage. Brow	nlee & Associates							
Previous Inspector's Name Ov		Salava			Previous	ious Assistant's Name							
Next Inspection Date 1		-2014			Previous	bus Inspection Date 17-Dec-2010							
Inspection Cycle (Default) (months) 2													
Comment													