Bridge Culvert Inspection														
Bridge File Number 77203 -1 Bridge Culvert						Form Type		CUL1						
Year Built 1990			-				Lot No.			2				
Bridge or Town Name VERMILI			LION					Inspector Name		Owen Salava				
Located Over TRAIL-AN			ANIMAL, OVER SP					Inspector Class			BR CLS A			
Located On	1 14.367;	14.367;16:30 R1 14.368				Assistant Name								
Water Body Cl./Year								Assistant Class						
Navigabil. Cl./Year							Inspection Date			18-Dec-2012				
Legal Land Location NE SEC 2		2 27 TWP 50 RGE 5 W4M					Data E	ntry By		Marcia Chave	z			
Longitude, Latit	tude	-110:38	3:45, 53:20:56					Data Entry Date			07-Jan-2013			
Road Authority Alberta T		Transport	(AIT)			Review	Reviewer Name John O'Brien							
Contract Main.	Area	CMA15	i					Review Date			20-Dec-2012			
Clear Roadway/Skew 26 /								Dept. Reviewer Name		Andrew Smikle	es			
AADT/Year 7,400 / 2		2011 (A)					Dept. Review Date		08-Jan-2013					
Road Classification RFD-412		2.4-130					Follow-	Follow-Up By						
Detour Length	(km)	1												
Bridge Culvert	Inform	ation												
Number of Culv	/erts		1											
Pipe # Barrel		Span		Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	AIN -			2400		MP		66		125X26	2.8	ROUND	
Special Features														
Special Features Comment														
Posting Information														
Required Vertical Clearance Posting (m)														
Posted vertical Clearance (Y/N) NO														
Remarks Not required														
Kemarks Not required. Utilities (Located at)														
Utility Attachments														
Telephone	Plowe	d in Sou	uth ditch.					Gas						
Power								Municip	al					
Others	hers						Probler	n (Y/N)	No					
Remarks														
1					A	pproad	h Road	d / Emba	inkment	ł				
						Last	Now	Explan	ation of	Condi	tion			
Horizontal Alignment					8	8	Nearb	stom of	aradua					
Vertical Alignment					7	7	inear bo							
Roadway Width (m)		26.000												
Embankment				7	7	Transition from 5:1 slo		pe to 3:1 at end	ls of culverts ve	ery short.				
Sideslope (:1) 3.0														
(Height of Co	ver(m) :	2.3)												
Guardrail (Y/N)		Yes				Offset from shoulder.								
Approach Road / Embankment General Rating		7	7											
							Upstre	am End						
Culvert Compo	onent					Last	Now	Explan	ation of	Condi	tion			
Direction						S								
End Treatment Others, None)	(Concre	ete, Stee	el, NONE											
Headwall						Х	Х							
Collar						X	X							

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			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	Х	
Bevel End		Х	Х	Square end.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		7	N	Snow covered.
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		7	Х	
Beavers (Y/N)	No			
Unstream End General Rating		7	8	
		-	Ŭ	
		Bric	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	18-Dec-2012			
Special Features			1	
Special Feature				
(Type:)		1	1	
Special Feature				
(Type:)				
Roof		6	6	Rise estimated; could not measure rise due to dirt on floor.
Measured Rise (mm)	2392			1 dent in roof, minor.
Measured At Ring No.				
Sag (mm)	8			
Percent Sag	1			
Sidewall		6	6	1 dent in sidewall from installation, minor.
Measured Span (mm)	2367			1 hole in side 1.7m South from 2nd seam from NE side.
Measured At Ring No.	4			Span at S end=2367=37mm=1.5% inward
Deflection (mm)	37			Span at midpipe=2412=12mm Span at N end=2389=11mm
Percent Deflection	2			
Floor		N	N	Concrete floor, dirt covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		4	4	Eight seams in total - separation varies from 15 mm to 50 mm.
Separation (mm)	50			Infiltration on 3 seams but all are minor and have stopped.
Longitudinal Seams		Х	Х	
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 (V/N)	No			

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Bridge Inspection & Maintenance System (Web 2005)

		Bric	dge Cu	lvert Barrel				
Culvert Component		Last Now		Explanation of Condition				
(Pipe # : 1, Primary Span, Location Code: MAIN, Span, Locatii Code: MAIN, MAIN, Span, Location Code: M):	, Rise (mm): 2400, Type: MP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N) Yes								
Fish Passage Adequacy			X					
Baffle		Х	Х					
(Туре :)								
Waterway Adequacy		8	Х	Handles ditch drainage.				
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		6	6					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	1	N		-				
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall			X					
Collar			X					
Wingwalls			X					
(Shape:)								
Cutoff Wall			X					
Bevel End			X	Straight cut.				
Heaving (mm) 0								
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200							
Scour Protection		7	N	Snow covered.				
(Type : NATURAL)				-				
(Avg. Rock Size(mm) :)		1						
Scour/Erosion			X					
Beavers (Y/N)	No							
Downstream End General Rating			7					
		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Grade Separation		1	1					
Road Alignment			8	Also handles ditch drainage.				
Roadway Surface			8					
(Type : CONCRETE)	1			100 mm to 150 mm thick.				
Icing (Y/N)	No							
Traffic Safety Features	1	X	X					
Туре	None		1					
Lighting		Х	X					
Barrel Leakage (Y/N)	No							

Structure Usage									
		Last	Now	Explanation of Condition					
Drainage			7						
Structure In Use (Y/N) No				No fence to ends.					
Grade Separation General Rating			7						

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			Maintenance Re	commendations						
Inspector Recomm	mendations	Year	Inspector Comments	Departmer	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS										
PLACE ADDITION	NAL RIP RAP									
REMOVE DRIFT	ACCUMULATION									
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCR	ETE COLLAR/CUTO	DFF								
REPAIR SEAMS										
OTHER ACTION		2013	Fill seam with expanding foam or mo	onitor.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condi (%)	tion Rating (Last/No	ow) 66.7/66	5.7 Sufficiency Rating (Last/ (%)	Now) 74.2/78.6	Es	t. Repl. Yr	2044	Maint. Red	qd. (Y/N)	No
Special Comments for Next Inspection Monitor seam infiltration.					nt S					
Maintenance Rev	iewed By			Date			E	Estimated Total	0	
Proposed Long-Term Strategy 2		2008.01.03 Re	move from Cattlepass listings and des	ignate it as a culvert. B	rownlee &	Associates				
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Jason				Draviava Assistantia N						
Previous Inspecto	or's Name	Jason Saly		Previous Assistant's N	ame					
Previous Inspecto Next Inspection D	or's Name	Jason Saly 18-Sep-2014		Previous Assistant's R Previous Inspection D	ate	18-Jul-2012				
Previous Inspecto Next Inspection D Inspection Cycle (or's Name Pate (Default) (months)	Jason Saly 18-Sep-2014 21		Previous Assistant's N	ate	18-Jul-2012				