					Bridg	e Culve	ert Insp	ection						
Bridge File Number 81716 -1 Bridge Culvert							Form Type			CUL1				
Year Built 1991						Lot No.			4					
Bridge or Town Name RAVEN						Inspec	tor Name	:	Owen Salava					
Located Over TRAIL-ANIMAL, OVER SP						Inspec	tor Class		BR CLS A					
Located On 54:06 C1 24.914						Assista	ant Name							
Water Body Cl./Year						Assista	ant Class							
Navigabil. Cl./Y	'ear						Inspec	tion Date		05-Nov-2012				
Legal Land Loc	ation N	NW SE	C 15 TWP	36 RGE 4 W	/5M		Data E	ntry By		Marcia Chavez	<u>z</u>			
Longitude, Latit	tude -	114:29	9:43, 52:05:	43			Data Entry Date			21-Nov-2012				
Road Authority	P	Alberta	Transporta		Reviewer Name			John O'Brien						
Contract Main. Area CMA18							Review Date			15-Nov-2012				
Clear Roadway/Skew 11.9 /							Dept. F	Reviewer	Name	Andrew Smikle	es			
			2011 (A)				Dept. F	Review D	ate	26-Nov-2012				
Road Classifica	ation F	RAU-20	09-110				Follow	-Up By						
Detour Length	(km) 6	ŝ												
Bridge Culvert	Informa	tion												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Rise (o	r Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2200		MP		32		125X26	2.8	ROUND		
Special Feature	es													
Special Feature	es Comm	ent												
Required Vert.	Clearana	o Doot	ina (m)		Ро	sting ii	nformat	ion						
Posted Vertical														
Posted: Lane			Bridge (m)	In Ac	lvance (V/NI)	1	ane SB		n Bridge (m)	In Advan	co (V/NI)		
Remarks	Not req		blidge (III)	III AC	ivanice (1/14)		arie SD	0	in Bridge (III)	III Auvaii	Se (1/14)		
Remarks	Not leq	uireu.			1 14	ilitios (I	_ocated	2t)						
Utility Attachme	nte				Ot.	ilues (L	_ocaled	at)						
Telephone		-/\^/					Gas		Swee	et gas line crossing 60m West.				
Telephone South r/w. Power 1 line 40m North.					Munici	nal	Owoo	<u> </u>						
Others						Problem (Y/N) No								
Remarks					1 10010	(1714)	1110							
rtomanto				F	Approad	ch Road	d / Emb	ankment						
					Last	Now		ation of		tion				
Horizontal Alignment			6	6	No pas	No passing EB. Limited sight distance to the East. On grasuperelevated). On 4% grade.				n gradual curve				
Vertical Alignment					6	(super	elevated) E of BF01	. On 49 1569	o grade.					
		12.200	.200			4301111								
Embankment		7	7											
		4.0				4:1 bevel end South.								
Sideslope (:1) (Height of Cover(m) : 0.6)		4.0												
Guardrail (Y/N)		0.6)	No											
Approach Road / Embankment General Rating		_	T -											
Approach Roa	id / Emba	ankme	nt General	Rating	6	6								
							am End							
Culvert Compo	onent				Last	Now	Explar	ation of	Condi	tion				
Direction					N		-							
End Treatment Others, None)	(Concret	te, Stee	el, STEEL											
Headwall			X	X										

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		Х	Х	
(Shape:)			1	
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Deid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sna			, Rise (mm): 2200, Type: MP)
Barrel Last Accessible Date	05-Nov-2012		<i>,</i> .	, 1136 (11111). 2200, 1ypc. IIII)
Barrer East Accessible Bate	00 1101 2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	Can't measure rise due to dirt on floor.
Measured Rise (mm)				
Measured At Ring No.				Est.
Sag (mm)	55			
Percent Sag	2		1	
Sidewall		7	7	
Measured Span (mm)	2205			
Measured At Ring No.	2			
Deflection (mm)	5			
Percent Deflection	0		_	
Floor		N	N	400 mud & silt in bottom.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	25			
Longitudinal Seams		Х	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)				

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2200, Type: MP)
Coating		7	7	Minor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	X	
Baffle		Х	Х	
(Type:)		1		
Waterway Adequacy		8	8	Dry. Also handle some drainage. Stream 40m South of outlet end.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		7	7	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation		1	1	
Road Alignment		7	7	-
Roadway Surface		7	7	
(Type : ACP)				Asphalt.
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Туре	None			

Structure Usage									
		Last	Now	Explanation of Condition					
Lighting		X	X						
Barrel Leakage (Y/N) No									
Drainage		6	6						
Structure In Use (Y/N)	Yes								
Grade Separation General Rating			6						

			Maintenan	ce Recommend	dations					
Inspector Recommendations	Year	Inspector (Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 77.8/7	7.8	Sufficiency Rating (Last/Now) (%)		77.9/77.8	Est. Repl. Yr	2045	Maint. Re	qd. (Y/N)	No
Special Cattlepass doubles Next Inspection	as a watercour	se for ditch d	rainage.		Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava			Previous	Assistant's Name					
Next Inspection Date	05-Aug-2014			Previous	Inspection Date	11-Apr-2011				
Inspection Cycle (Default) (months)	21									