Bridge Culvert Inspection														
Bridge File Number 80586 -1 Bridge				Bridge Culvert				Form Type			CUL1			
Year Built	37					Lot No.			3					
Bridge or Town	RE				Inspector Name			Owen Salava						
Located Over	-ANIMAL, OVER SP				Inspector Class			BR CLS A						
Located On	C1 9.019					Assistant Name								
Water Body Cl.						Assista	Assistant Class							
Navigabil. Cl./Year								Inspec	Inspection Date 19-Oct-2012					
Legal Land Loc	ation	NW SE						Data E	Data Entry By Marcia Chavez					
								Data E	Data Entry Date 09-Nov-2012					
								Reviewer Name John O'Brien						
Contract Main. Area CMA29			· · · ·					Review Date 30-Oct-2012						
Clear Roadway/Skew 14.5 /								Dept. Reviewer Name Andrew Smikles						
AADT/Year		2,270 /	2011 (A)					· ·			13-Nov-2012			
Road Classifica	ation	RAU-2	11.8-110					Follow-Up By						
Detour Length	(km)	3												
Bridge Culvert	t Inform	ation												
Number of Culverts 1														
Pipe #	Barrel		Span		Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-		2400		MP		28		125X26	2.8	ROUND	
Special Feature	es		CONC FL	OOR										
Special Feature	es Comr	ment												
	Clearer		ing at (100.)			Po	sting li	nformat	on					
Required Vert.				NIa										
Posted Vertical Clearance (Y/N) No														
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	West	t fence.						Gas						
Power	3 wire	vires located at West end.						Munici	bal					
Others								Proble	m (Y/N)	No				
Remarks														
1					Α	pproad	ch Roa		ankment					
						Last	Now	Explar	ation of	Condi	tion			
Horizontal Aligr	nment					7	7	Climbing lane NB. Intersection 200m North. No passing.					sing.	
Vertical Alignm	ent					6	6							
Roadway Width	ר (m)		14.500											
Embankment						6	6	Wide transverse crack c			over pipe, not sealed - photo.			
Sideslope (	_:1)		2.5					4:1 then to 2.5:1.						
(Height of Co	ver(m) :	<b>1.5</b> )												
Guardrail (Y/N)		Yes												
Approach Roa	nd / Emb	bankme	nt Genera	l Rati	ng	6	6							
Upstream End														
Culvert Component			Last	Now	Explanation of Condition									
Direction						W								
End Treatment (Concrete, Steel, NONE Others, None)														
Headwall			Х	X										
Collar						X	X							

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		Х	X	
Bevel End		Х	Х	Gate @ opening.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		Х	7	
(Type : NATURAL)				
(Avg. Rock Size(mm) : )				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa			, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	19-Oct-2012		,	
Special Features		1	1	
Special Feature		7	7	
(Type : CONC FLOOR)		1	1	
Special Feature				
(Туре : )				
Roof		7	7	1 dent in roof caused by construction equipment @ West 100mm -
Measured Rise (mm)	2370			photo.
Measured At Ring No.	2			
Sag (mm) 30				
Percent Sag	1		-	1.3%.
Sidewall	1	8	8	
Measured Span (mm)	2430			
Measured At Ring No.	2			1.3%
Deflection (mm) 30				
Percent Deflection	1		1	
Floor		N	N	Concrete on floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	1	8	8	
Separation (mm)	40		1	
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)				
Coating		6	6	Superficial corrosion @ crown @ West.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	No			

Alberta Transportation

Bridge Culvert Barrel										
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm	):	, Rise (mm): 2400, Type: MP)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy			X							
Baffle		Х	Х							
(Type : )										
Waterway Adequacy		Х	Х							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		7	7							
		D	ownsti	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		E		Gate at opening.						
End Treatment (Concrete, Steel, NONE Others, None)										
Headwall		X	Х							
Collar		X	X							
Wingwalls		Х	Х							
(Shape : )										
Cutoff Wall		X	X							
Bevel End		Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	100									
Scour Protection		Х	7							
(Type : <b>NATURAL</b> )										
(Avg. Rock Size(mm) : )										
Scour/Erosion		X	X							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	7	7							
		S	Structu	re Usage						
		Last	1	Explanation of Condition						
Grade Separation										
Road Alignment			6	Hills both ends.						
Roadway Surface		6	6							
(Type : <b>CONCRETE</b> )										
Icing (Y/N) Yes				(500mm ice in barrel - photo. Feb/25/06).						
Traffic Safety Features		Х	X							
Туре				1						
Lighting		X	X							
Barrel Leakage (Y/N)	No									

Structure Usage									
		Last	Now	Explanation of Condition					
Drainage			5	600mm ditch drainage culvert 5m D/S, no problem.					
Structure In Use (Y/N) Yes									
Grade Separation General Rati	ng	5	5						

			Maintenance Rec	commend	ations					
Inspector Recommendations		Year	Inspector Comments		Department Com	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		2013	Seal transverse crack in ACP over pip	pe, minor.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No.	ow)	77.8/77.	.8 Sufficiency Rating (Last/N (%)	Now) 81.0/81.0		Est. Repl. Yr	2031	Maint. Re	qd. (Y/N)	Yes
Special (Improve drainage if causing problems. 05Oct2006). Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen S	Salava		Assistant's Name						
Next Inspection Date	19-Jul-:	2014		Previous I	us Inspection Date 03-Feb-2011					
Inspection Cycle (Default) (months)	21									
Comment										