Bridge Culvert Inspection														
Bridge File Number 81051 -1 Bridge Culvert						Form T			CUL1					
Year Built 1988						Lot No.		4						
Bridge or Town	Name		 EL					Inspector Name		Owen Salava				
Located Over			ARY TO BATT	LE RIVE	R, 5.45	5,	Inspector Class		BR CLS A					
		WATER	CRS-ST			·	Assistant Name							
Located On		21:22 C1	32.207				Assistant Class							
Water Body Cl./							Inspection Date		20-Sep-2012					
Navigabil. Cl./Y					Data Entry By		Marcia Chavez							
Legal Land Loc			34 TWP 45 RGE 21 W4M					Data Entry Date		03-Oct-2012				
Longitude, Latit	ude						Reviewer Name		John O'Brien					
			ransportation (AIT)				Review Date		27-Sep-2012					
Contract Main.						Dept. Reviewer Name								
			deg. (RHF)				Dept. Review Date		16-Oct-2012					
AADT/Year 2,570 / 2						Follow	-Up By							
Road Classifica		RAU-213	3.4-120		-									
Detour Length (km) 3														
Bridge Culvert														
Number of Culv					0 0 0									
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length	Thickness			Shape		
1	MAIN	3	3080	2465		RPE		66.5			ELLIPSE			
Special Feature	es			1				1		1				
Special Feature		ment												
					Ut	ilities (L	ocated	at)						
Utility Attachme							-							
Telephone	Along	West r/w	t r/w boundary.					Gas 50m South.						
Power						Munici								
Others	·						Proble	m (Y/N)	No					
Remarks				Δ.		ah Daar	d / Emala	o n k m o n f						
	Last		I / Embankment Explanation of Condition											
Horizontal Align	Horizontal Alignment			6	6	Long vert. curve to the N, horiz. curve to the S. No passing NBL due								
Vertical Alignment					5	5	to hill.	Approach	30m S	SW.				
Roadway Width (m)			13.200											
Embankment			7	7										
Sideslope (:1) 4.0														
(Height of Cov		: 1.7)					1							
Guardrail (Y/N)			Yes				Too low, ~400mm high at W & ~380mm high at E (photo).							
Approach Roa	d / Eml	bankmen	t General Rat	ing	5	5								
••				0										
Culvert Compo	nent				Last	Now	am End	nation of	Condi	tion				
Culvert Component Direction				W	NOW	LAPId		Jonul						
End Treatment (Concrete, Steel, STEEL														
Others, None)	(, 0.001,												
Headwall					X	X								
Collar						X								
Wingwalls	Wingwalls			X	X									
(Shape :)														
Cutoff Wall					X	X								
						_	1							

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection			7	Well vegetated.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating	1	7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3080	•
Barrel Last Accessible Date	20-Sep-2012			
Special Features			1	
Special Feature				-
(Type :)				4
Special Feature				-
(Туре:)			1	
Roof		4	4	Not able to measure rise due to water/silt. (All measurements from
Measured Rise (mm)	2260			08Feb2008).
Measured At Ring No.	10			
Sag (mm)	205			-
Percent Sag	8			
Sidewall		7	7	
Measured Span (mm)	3140			
Measured At Ring No.	10			
Deflection (mm)	60			
Percent Deflection	2			
Floor		N	N	Water/silt.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			(Abrasion=N from 08Feb2008).
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		7	7	Lower longitudinal seams not visible, under water/silt.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			1
Longitudinal Stagger (Y/N)	No			1
Coating		6	6	
Corrosion By Soil (Y/N)	No		0	
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
				0.5m weter/silt
Ponding (Y/N)	No			0.5m water/silt.

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Sp	an (mm							
Fish Passage Adequacy		8	8						
Baffle		X	X						
(Type:)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)									
Drift (Y/N)	No								
Barrel General Rating									
			ownet	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	<u> </u>	E							
	End Treatment (Concrete, Steel, STEEL								
Headwall	<u> </u>	X	X						
Collar		X	X						
		_							
Wingwalls		X	X						
(Shape:)									
Cutoff Wall		X	X						
Bevel End		7	7						
Heaving (mm) 0									
Invert Above/Below Stream Bed BELOW									
Above/Below (mm)	200								
Scour Protection			7	Well vegetated.					
(Type : RIP RAP)				-					
(Avg. Rock Size(mm) : 250)			1						
Scour/Erosion			7						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	7	7						
			Structu	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)	1	1-000							
Alignment			8						
Bank Stability			7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) Yes				1					
(Fish Compensation Measure 1 :	1								
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			1					
Channel General Rating			8						

Maintenance Recommendations											
Inspector Recommendations	•	Year	Inspector Comments		Department Com	iments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC)FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 4	44.4/44.4	4 Sufficiency Rating (Last/No (%)	ow) 6	3.5/63.4 Est. Repl. Yr 2035		2035	Maint. Reqd. (Y/N) No			
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	stimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave La	am	F	Assistant's Name							
Next Inspection Date 20		·2014	F	Previous I	ious Inspection Date 08-Nov-2010						
Inspection Cycle (Default) (months) 21											
Comment											