Bridge File Number Year Built Bridge or Town Na Located Over		1 Bridge Culver				ert Inspectio						
Year Built Bridge or Town Na			73804 -1 Bridge Culvert			Form Type		CULM				
	1994	-			Lot No.		4					
Located Over	ame RAVEN					Inspector N	ame	Owen Salava				
		ARY TO RAVE CRS-ST	N RIVER	, 3.91.	.4,	Inspector C Assistant N		BR CLS A				
Located On	54:06 C	1 20.930				Assistant C						
Water Body CI./Ye	ear					Inspection [05-Nov-2012				
Navigabil. Cl./Yea	ır					Data Entry I		Marcia Chavez				
Legal Land Location	ion SE SEC	: 18 TWP 36 R	GE 4 W5N	/		Data Entry I	-	20-Nov-2012				
Longitude, Latitude	le -114:33	:11, 52:05:37				Reviewer N		John O'Brien				
Road Authority Alberta Transportation (AIT)						Review Dat		14-Nov-2012				
Contract Main. Are	ntract Main. Area CMA18					Dept. Revie	-					
Clear Roadway/Sk	dway/Skew 11.7 / 27 deg. (RHF)				Dept. Review			26-Nov-2012				
AADT/Year	1,620 / 2	2011 (A)			Follow-Up By			20-1107-2012				
Road Classificatio	n RAU-20	9-110					, y					
Detour Length (km	n) 8											
Bridge Culvert In	formation											
Number of Culvert	ts	2						1	1			
Pipe # Ba	arrel	Span	Rise (or I	Dia.)	Туре	Len	gth	Corr. Profile	PI./Slab Thickness	Shape		
1 MA	AIN	-	1600		MP	32		125X26	2.8	ROUND		
2 MA	AIN	-	1600		MP	32		125X26	2.8	ROUND		
Special Features Special Features (Comment											
				Uti	ilities (L	ocated at)						
Utility Attachments	s											
Telephone S	South r/w.				Gas							
Power S	Single wire No	re North r/w.				Municipal						
Others						Problem (Y/	N) No					
Remarks												
				proac Last		d / Embankment Explanation of Condition						
					Now							
Horizontal Alignme				7	7	No passing EB. Blind sag curve 300m to the East. Farm entrances to East.						
Vertical Alignment Roadway Width (n		11.700		6	6	Crack in pa	vement ov	er East pipe - se	aled.			
· .	,				-							
Embankment	<u></u>	0.0		7	7							
Sideslope (:1)		3.0				-						
(Height of Cover Guardrail (Y/N)	r(m) : 1.8)	No										
Approach Road /	/ Embankmei	nt General Rat	ing	6	6							
					Upstro	am End						
Culvert Compone	ent			Last		Explanatio	n of Cond	tion				
		rv Span)	I	Luot	ITON	Explanation						
(Pipe # : 1, Span Type: Primary Span) Direction			N		West pipe.							
End Treatment (Co Others, None)	concrete, Stee	I, STEEL										
Headwall				Х	X							
Collar				Х	Х							
Wingwalls	Wingwalls				Х							
(Shape :)												

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	150			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	50			
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Upstream End General Rating	1	6	6	
				Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		Span (mm	ı):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	05-Nov-2012			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Туре :)				
Roof		N	7	
Measured Rise (mm)	1590			At 6m from U/S end.
Measured At Ring No.	2			_
Sag (mm)	10			0.6%.
Percent Sag	0		_	
Sidewall		N	7	_
Measured Span (mm)	1610			_
Measured At Ring No.	2			0.6%.
Deflection (mm)	10			-
Percent Deflection	0			
Floor	1	N	N	Water/silt.
Bulge (mm)	0			-
Measured At Ring No.				-
Abrasion (Y/N)	No			
Circumferential Seams	1	N	7	-
Separation (mm)	25			
Longitudinal Seams	I	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		N	6	
Corrosion By Soil (Y/N)	No			1
Corrosion By Water (Y/N)	Yes			1

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

73804 -1 Bridge Culvert

		Brid	dae Cu	lvert Barrel
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1600, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	6	
Baffle		X	X	
(Туре :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		N	7	
			ownstr	ream End
Culvert Component				Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction		S		West pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction	T	N		East pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		X	X	
Wingwalls		X	Х	
(Shape :)				
Cutoff Wall		X	X	

Alberta Transportation

		Upstre	am End
	Last	Now	Explanation of Condition
lary Span)		_	
	7	7	-
0			
BELOW			
200			
	Ν	7	
	Ν	7	
No			
	7	7	
	Brid	dge <u>Cu</u>	lvert Barrel
		Now	Explanation of Condition
ocation Code: MAIN, S	pan (r	nm):	, Rise (mm): 1600, Type: MP)
05-Nov-2012			
	Ν	7	
1600			
2			
0			
0			
	Ν	7	
1600			
2			
0			
0			
	Ν	N	Water/silt.
0			
No			
	Ν	7	
25			
	Х	Х	
			1
			1
	N	6	
No		<u> </u>	1
			-
Yes			
	ary Span) 0 BELOW 200 No No Solution Code: MAIN, S 05-Nov-2012 05-Nov-2012 1600 2 0 1600 2 0 1600 2 0 25 No	Last70BELOW200NNNo70011	LaseNow770701BELOW1200N7N7N7N7N7N7N7N7N7N7N7N7N7N7N7N7N100N7N1600N2N1600N2N1600N2N1600N2N1N1N1N2N1N1N1N1N1N1N2N1

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Bri	dae Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (ı	mm):	, Rise (mm): 1600, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		X	6	
Baffle		X	X	
(Туре :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating	1	N	7	
		D	ownst	ream End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	arv Span)			
Direction	, , , , , , , , , , , , , , , , , , , ,	S		East pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	Х	
Wingwalls			X	
(Shape :)		X	~	
Cutoff Wall		X	X	
Bevel End		7	7	_
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			_
Above/Below (mm)	300			
Scour Protection		7	7	-
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ration	ng	7	7	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	Access road with 900 culvert 150m D/S.
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			
Channel General Rating		7	7	

			Maintenance Rec	ommenda	ations						
Inspector Recommendations Y			Inspector Comments		Department Com		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/Now) (%)		55.6/77.8	8 Sufficiency Rating (Last/No (%)	ow) 6	63.6/73.4 Est. Repl. Yr 2045		2045	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 Owen Salava					vious Assistant's Name						
Next Inspection Date	05-Aug	-2014	F	Previous I	Inspection Date 11-Apr-2011						
Inspection Cycle (Default) (months)											
Comment											