Bridge Culvert Inspection Bridge File Number 74290 -1 Bridge Culvert Form Type CUL1														
Bridge File Nur	mber	74290 -	1 Bridge Culve	rt			Form 7	уре		CUL1				
Year Built 1954							Lot No			4				
Bridge or Town	Name	CARST	AIRS				Inspec	tor Name		Owen Salava				
Located Over		ROSEB	BUD RIVER, 3.3	3, WATE	RCRS	S-ST	Inspector Class			BR CLS A				
Located On		2:20 R1	13.763;2:20 L	1 13.761			Assistant Name							
Water Body Cl.	./Year						Assistant Class							
Navigabil. Cl./Y	⁄ear						Inspection Date			11-Mar-2013				
Legal Land Location SE SEC 26 TWP 30 RGE 1 W5W				М		Data E	ntry By							
Longitude, Latitude -114:01:31, 51:35:54						Data Entry Date			26-Mar-2013					
Road Authority Alberta Transportation (AIT)						Reviewer Name			John O'Brien					
Contract Main.	Area	CMA29					Review Date			16-Mar-2013				
Clear Roadway/Skew 42 / 0 deg.			eg.				Dept. F	Reviewer	Name	Chris Black				
AADT/Year 27,560 / 29 Road Classification RFD-412.4		/ 2011 (A)	2011 (A)				Review Da	ate	28-Mar-2013					
		2.4-130				Follow-Up By								
Detour Length	(km)	1												
Bridge Culver	t Inform	ation												
Number of Cul	verts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		4460	7770		AP		198				ARCH		
Special Feature	es													
Special Feature	es Comr	ment												
LIGHT AND					Ut	ilities (L	ocated.	at)						
Utility Attachme	ents								1					
							Gas							
Telephone Power Others					Munici									
					Proble	m (Y/N)	No							
Remarks														
				Α	Last	Now		ankment ation of		tion				
Horizontal Aligi	nment				9	9				es - outside star	darde Eet 5%	hoth sides		
					5	5	Good		Jul Side	55 - Outside Star	idalds. Est. 57	both sides.		
Vertical Alignment Roadway Width (m) 42.000			3		9m wide service Roads at @ E & W									
Embankment					7	7								
Sideslope (·1)		3.0		'									
(Height of Co		6.5)	3.0											
Guardrail (Y/N)		0.0)	Yes				Installe	ed @ serv	vice roa	ıds.				
Approach Roa	ad / Emb	ankme	nt General Rat	ing	5	5								
						Upstre	am End							
Culvert Comp	onent				Last	Now		ation of	Condi	tion				
Direction					W	111011								
	(Concre	ete, Stee	el, CONCRETE											
Headwall					9	9	Severa	ıl cracks h	headwa	all.				
Collar		Х	Х											
Wingwalls					Х	9								
(Shape : FLA	ARE)						1							
Cutoff Wall	,				N	N								

74290 -1 Bridge Culvert

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		9	9						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection		9	9	class 3 @ banks					
(Type : RIP RAP)									
(Avg. Rock Size(mm): 400)									
Scour/Erosion		8	8						
Beavers (Y/N)	No								
Upstream End General Rating		8	8						
		Brid	dao Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			· · ·					
Barrel Last Accessible Date	14-Mar-2011		,	Ice melting in culvert. Viewed from ends; looks good.					
Barror East / toocoolbio Bato	11 Wai 2011			Too moning in ourvers. Viewed from chac, looke good.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type :)									
Roof		N	N	(New sections @ ends rate 8. 18Mar2004).					
Measured Rise (mm)									
Measured At Ring No.									
Sag (mm)	0								
Percent Sag	0								
Sidewall		N	N	(Spalls @ old center section repaired. 18Mar2004).					
Measured Span (mm)									
Measured At Ring No.									
Deflection (mm)	0								
Percent Deflection	0								
Floor		N	N						
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		N	N						
Separation (mm)	0								
Longitudinal Seams		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		X	X						
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)									
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Location Code: MAIN, Span (mm): 4460, Rise (mm): 7770, Type: AP)									
Fish Passage Adequacy		7	7						
Baffle		7	N	(Turbulence block at outlet. 10Aug2011).					
(Type:)									
Waterway Adequacy		9	9						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			N	GR was 7 from 18Mar2004.					
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		E							
End Treatment (Concrete, Steel, Others, None)	d Treatment (Concrete, Steel, CONCRETE ners, None)		,						
Headwall		9	9						
Collar		Х	Х						
Wingwalls			Х						
(Shape : FLARE)									
Cutoff Wall		N	N						
Bevel End		9	9						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection		9	9	Some class 3 mixed in.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 400)									
Scour/Erosion		9	9						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	9	9						
		s	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			7						
Bank Stability		8	8						
HWM (m below Top of Culvert)	1.0								
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 : NONE)									
Channel General Rating		7	7						

		Maintenance	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	6								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/5	5.6 Sufficiency Rating (Las	Sufficiency Rating (Last/Now) (%)		Est. Repl. Yr	2055 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated 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	11-Dec-2014		Previous	Inspection Date					
Inspection Cycle (Default) (months)	21				10-Aug-2011				
Comment									