					Bride	е Сим	ert Inse	ection -						
Bridge File Nu	le Number 73879 W-1 Bridge Culvert				Billag	je Guive	ert Inspection Form Type		CUL1					
Year Built 1958							Lot No.		1					
Bridge or Town	n Name		ECOURT				Inspector Name			Kris Bosters				
Located Over			ADEE CREEK,	8.11.110.				Inspector Class		BR CLS A				
		WATER	CRS-ST					ant Name						
Located On		43:14 L	1 22.939					Assistant Class						
Water Body Cl	l./Year					Inspection Date		04-Oct-2011						
Navigabil. Cl./	Year						Data Entry By		Theresa Lacusta					
Legal Land Lo	cation	NW SE	NIM SEC 24 TIME 60 DGE 14 M/5M					Intry Date		25-Oct-2011				
Longitude, Lat	itude	-115:57:56, 54:12:33					Reviewer Name			Eric Carcoux				
Road Authority	/	Alberta Transportation (AIT)					Review Date			22-Oct-2011				
		CMA12	۸12					Dept. Reviewer Name						
Clear Roadway/Skew 13 /		13 /						Dept. Review Date		26-Oct-2011				
		6,030 / 2	5,030 / 2010 (A)				Follow-Up By		20-0G-2011					
Road Classific	ation	RAD-41	412.4-120				I dilow-op by							
Detour Length	(km)	1												
Bridge Culver		nation												
Number of Cul	lverts		1			1				I	1			
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		4300	4300		AP	66.1				THICKHESS	ARCH		
			4300	4300		AF		00.1		<u> </u>		ARCH		
Special Featur		mont												
Special Featur	es Com	mem												
					Ut	ilities (L	_ocated	at)						
Utility Attachm	ents													
Telephone North r/w.					Gas									
Power	7 wire	es North r/w.					Municipal							
Others BF cast into face of headwalls.					Proble	m (Y/N)	No							
Remarks	Chick	adee ck	signs have falle	en over										
				A			_	ankment						
				Last	Now	Explanation of Condition								
Horizontal Alignment			6	6	Limited sight distance. 7% grade on east side. Bottom of sag.									
Vertical Alignm					6	6	7 70 gr	aue on ea	St Side	. Bottom or say	•			
Roadway Width (m)		12.600												
Embankment					7	3	North	end meas	ured					
Sideslope (:1)		3.0			Erosion Se of bevel is affecting embankment stabilityphoto				yphoto				
(Height of Co		: 6.3)	0.0											
Guardrail (Y/N		,	Yes				Minor	bends/der	nts. fun	ctional.				
2 22 2 2 (1/11	,					9 posts and 9 rail secti			aged at 3 loca	tions.				
Approach Ro	ad / Eml	bankmer	nt General Ra	ting	6	6								
						Linctro	∣ am End							
Culvert Comp	onent				Last			nation of	Condi	tion				
Direction	JIICIIL				N	140W	Lxpidi	iation of	Sonal					
End Treatmen	t (Concr	ete. Stee	I. CONCRETE	=										
Others, None)	- (30/10/		, CONCRETE											
Headwall					6	6								
0-11				V										
Collar					X	X								
Wingwalls					4	4	Both v	Both walls have wide vertical cracks & wingwalls are inward			inwards 42mm			
(Shape:)						at const joint (NW). Wingwalls have separated 30mm @ co			n @ construction				
Cutoff Wall					N	N	JUITIS.	i.JilixU.Zl	ii cilul	ir bioreii oii al	TOP OF TAVE WILL	gwaii.		
Guton Wall					14	IN								

73879 W-1 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed										
Above/Below (mm)	0									
Scour Protection		N	6							
(Type: RIP RAP)										
(Avg. Rock Size(mm) : 250)										
Scour/Erosion		N	6							
Beavers (Y/N)	Yes			Dam 2m from u/s end.						
Upstream End General Rating		4	4							
		Brid	dae Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Spa									
Barrel Last Accessible Date	08-Apr-2008		,	Viewed from ends due to water depth. Shape and condition look good.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		6	6	Small crack @ start of barrel in roof & sidewall where bevel begins to						
Measured Rise (mm)				flare out at D/S end and U/S end. Water stop visible NE corner.						
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall		6	6	(Due to ice levels accurate measurements could not be taken.						
Measured Span (mm)				Vertical cracking. 08/Apr/2008)						
Measured At Ring No.										
Deflection (mm)	0									
Percent Deflection										
Floor		N	N							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	Yes									
Circumferential Seams		N	N							
Separation (mm)	30									
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		Х	Х							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									

		Bric	dge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 4300	, Rise (mm): 4300, Type: AP)
Ponding (Y/N)	Yes			500mm deep
Fish Passage Adequacy		8	8	
Baffle		N	N	
(Type:)				
Waterway Adequacy		8	4	Drift level indicates pipe is quite undersized.
Icing (Y/N)	No			Silt/drift visible from ends.
Silting (Y/N)	Yes			
Drift (Y/N)	Yes			
Barrel General Rating		N	N	G.R. was "6" from 08/Apr/2008.
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		6	6	
Collar		Х	Х	
Wingwalls		5	5	Pulled away from bevel 50mm at top and bottom.
(Shape:)				
Cutoff Wall		N	N	
Bevel End		Х	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	3	Rock added to sideslopes approx 15m D/S. Rock also in s/b creating
(Type : RIP RAP)				pool at outlet. 10mx10mx3m scour or embankment SE of bevel vertical banks d/s
(Avg. Rock Size(mm) : 250)				photo
Scour/Erosion		N	3	Scour to SE.
Beavers (Y/N)	No			
Downstream End General Ratin	ng	5	3	
		S		e Usage
			Now	Explanation of Condition
Channel (U/S and D/S) Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Culvert)				Drift on N road embankment 1.5m down from shoulder elevation
Drift (Y/N)				photo
Channel Bottom Degrading/Aggrading	DEGRADING			Old dam visible upstream.
Beavers (Y/N) Yes				
(Fish Compensation Measure 1 :	I.			
(Fish Compensation Measure 2 :				
Channel General Rating		6	6	

Bridge Inspection & Maintenance System (Web 2005)

			Maintenance Rec	omme <u>nd</u>	ations					
Inspector Recommendations	Year	Inspector Co			Department Cor	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·			·					
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LININ	G									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CU	ΓOFF									
REPAIR SEAMS										
OTHER ACTION	2011		ercourse signage.							
OTHER ACTION	2011	Repair erosic Class II rock.	on SE of bevel and armou	r with						
OTHER ACTION	2011	Replace brok	en GR and posts.							
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/ (%)	Now) 55.6/	5.6 Sufficiency Rating (Las		ow) (62.1/47.5	Est. Repl. Yr	2029	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		ı	Estimated Tota	I 0	
Proposed Long-Term Strategy									'	
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Wade Nanni	nga	F	Previous /	Assistant's Name					
Next Inspection Date	04-Jul-2013		F	Previous	nspection Date	30-Oct-2009				
Inspection Cycle (Default) (months)	21									
Comment										