					Brida	a Culve	art Inspe	ection					
Bridge File Number 70113 -2 Bridge Culvert					Billag	e Cuive	Ivert Inspection Form Type			CUL1			
Year Built 2006							Lot No.			4			
	Nama									Kris Bosters			
Bridge or Town Name Located Over							Inspector Name						
Localed Over		TRIBUTARY TO POISON CREEK, 8.11.84.51.15.1, WATERCRS-ST					Inspector Class			BR CLS A Brian Cote			
Located On		751:02 C	21 16.509				Assistant Name Assistant Class			BR CLS B			
Water Body CI./	Year							ion Date		18-Apr-2013			
Navigabil. Cl./Ye	ear						· ·			Lisa Fairhurst			
Legal Land Loca	ation	NE SEC	17 TWP 55 R	GE 11 W	5M								
		-115:35:	16, 53:45:12				Reviewer Name			23-Apr-2013 Eric Carcoux			
Road Authority		Alberta 7	Transportation	(AIT)			Reviewer Name Review Date		21-Apr-2013				
Contract Main.	Area	CMA12							lamo	· ·			
Clear Roadway/Skew 9.5 / AADT/Year 200 / 201							Dept. Reviewer Name Dept. Review Date						
		200 / 20	12 (A)						.e	01-May-2013			
Road Classifica	tion	RCU-209					Follow-Up By						
Detour Length (		3											
Bridge Culvert													
Number of Culv		1											
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	-		3670		SP		53.03		152X51	3.0	ROUND	
Special Feature	·S											<u>'</u>	
Special Feature		ment											
•													
					Uti	ilities (L	ocated	at)					
Utility Attachme													
Telephone 20m West.							Gas						
Power	Power 1 line OH 20m East.						Municip						
Others							Probler	m (Y/N)	No				
Remarks													
				A				ankment	`	· ·			
Horizontal Alignment					7	7	Explanation of Condition  Curves to North & South.						
					7	7	Sag curve, no passing.						
Vertical Alignment  Roadway Width (m) 10.000		10.000		/	/								
Roadway Widii	(111)		10.000										
Embankment					8	8							
Sideslope (	:1)		4.0										
(Height of Cov	ver(m) :	4.5)											
Guardrail (Y/N)			No										
Approach Road	d / Emb	oankmen	t General Rat	ing	7	7							
						Unstre	am End						
Culvert Compo	nent				Last	Now		ation of C	ondi	tion			
Direction					W					<u> </u>			
End Treatment Others, None)	(Concre	ete, Steel	CONCRETE										
Headwall					8	8							
Collar					8	6	Narrow	transverse	e crad	cks in N collar			
Wingwalls					Х	X							
(Shape: )													
(Shape: ) Cutoff Wall					N	N							

70113 -2 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	900									
Scour Protection		8	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 500)			1							
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Upstream End General Rating		8	8							
		Brid	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 3670, Type: SP)						
Barrel Last Accessible Date	27-Jul-2006			Water too deep. Viewed from ends, shape looks good.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		N	N							
Measured Rise (mm)	3643									
Measured At Ring No.	7									
Sag (mm)	27									
Percent Sag	1									
Sidewall		N	N							
Measured Span (mm)	3652									
Measured At Ring No.	7									
Deflection (mm)	18									
Percent Deflection	1									
Floor		N	N							
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)	No		1							
Circumferential Seams		N	N							
Separation (mm)			1							
Longitudinal Seams	1	N	N							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams	0			2N Stagger						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (Y/N)	Yes									
Coating		8	N							
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	POS									
Ponding (Y/N)	No									

Bridge Culvert Barrel											
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 3670, Type: SP)							
Fish Passage Adequacy		9	9								
Baffle		N	N	300 x 300 H-pile.							
(Type:)				Galvanized steel sections.							
Waterway Adequacy		9	7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating		N	N	G.R. was "9" from July 27, 2006.							
		D	ownstr	ream End							
Culvert Component		Last	Now	Explanation of Condition							
Direction		E									
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		Х	X								
Collar		Х	X								
Wingwalls		X	X								
(Shape: )											
Cutoff Wall		Х	X								
Bevel End		8	8								
Heaving (mm) 0											
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	900										
Scour Protection		8	8								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 500)											
Scour/Erosion		8	8								
Beavers (Y/N)	No										
Downstream End General Ratin	ng	8	8								
		s	tructu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment		8	4	100 degree bend d/s causing re-circulation pool.							
Bank Stability		9	4	Sloughing bank d/s							
HWM (m below Top of Culvert)				No HWM visible.							
Drift (Y/N) No											
Channel Bottom Degrading/Aggrading  DEGRADING											
Beavers (Y/N) Yes											
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		8	4								

Bridge Inspection & Maintenance System (Web 2005)

			Mainten	ance Recommen	dations					
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/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 55.6/55	5.6	Sufficiency Rating (Last/Now) (%)		76.4/67.6	Est. Repl. Yr	2055	2055 Maint. Re		No
Special Monitor d/s erosion Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Kris Bosters			Previous	Assistant's Name Sara Wadlow					
Next Inspection Date	18-Jul-2016			Previous	Inspection Date	Inspection Date 19-Nov-2009				
Inspection Cycle (Default) (months)	39									
	00									