					Brida	e Culve	ert Insn	ection					
Bridge File Number 07497 -1 Bridge Culvert			Billag	e Guive	Form 7			CUL1					
Year Built 1960		r - i bridge Guivert				Lot No.		2					
Bridge or Town Name WAR							Inspector Name		Todd Warshawski				
Located Over			STRAWBERR'	Y CREEK	(. 6.112	2.16.	Inspector Class		BR CLS B				
		WATERCRS-ST				, , 		Assistant Name					
Located On 39		39:08 C1	39:08 C1 3.971				Assistant Class						
Water Body Cl./Year							Inspection Date		10-Jan-2013				
Navigabil. Cl./Y	'ear						Data Entry By		Lisa Fairhurst				
Legal Land Location S\		SW SEC	SW SEC 5 TWP 49 RGE 3 W5M				Data Entry Date			22-Jan-2013			
Longitude, Latitude		-114:24:22, 53:11:33					Reviewer Name		Eric Carcoux				
Road Authority A			Alberta Transportation (AIT)				Review Date		16-Jan-2013				
Contract Main.	Area	CMA11							Brent Herrick				
Clear Roadway	/Skew		11.1 / 0 deg.				Dept. Review Date		23-Jan-2013				
AADT/Year		2,850 / 2						Follow-Up By					
Road Classifica		RAU-211	1.8-110										
Detour Length	` '	6											
Bridge Culvert													
Number of Culv			1		_					I	1	1	
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	5		3277		AP		55.8			111101111000	ARCH	
Special Feature				02			35.6			<u> </u>			
Special Feature		ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme	ents								I				
Telephone North & south r/w.						Gas							
Power 3 wires from c/l North r/w.					Munici								
Others							Proble	m (Y/N)	No				
Remarks													
				A			I / Embankment						
Horizontal Aligr	mont				6	6	On a curve. Limited sight distance to west. Sag vertical curve.						
					7	7	On a curve. Limited signit distance to west. Sag vertical curve.						
Vertical Alignment			11.100		/	/							
Roadway Width (m)			11.100										
Embankment					N	N	(Sideslope changes from 2.5:1 to 4:1 after 3.7m from ACP.						
Sideslope (_:1)		2.5					Gully @ SE 30m long, 2m wide, 700mm deep - photo27-May-2009)					
(Height of Co	ver(m) :	: 3.1)											
Guardrail (Y/N)			Yes										
			1.0	•									
Approach Roa	ia / Emi	pankmen	τ General Rat	ing	6	6							
						Upstre	am End						
Culvert Component			Last	Now		ation of	Condi	tion					
Direction			S										
End Treatment (Concrete, Steel, Others, None)													
Headwall			7	6									
Collar			Х	Х									
Wingwalls				5	5	Wide vertical crack on SE wingwall.							
(Shape : FLARE)					1			J					
Cutoff Wall				N	N								

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		Х	X							
Heaving (mm)	0									
Invert Above/Below Stream Bed										
Above/Below (mm)	0									
Scour Protection		N	N							
(Type : NATURAL)										
(Avg. Rock Size(mm):)										
Scour/Erosion		N	N							
Beavers (Y/N)	Yes			Beaver dam in inlet-photo						
Upstream End General Rating		5	5							
oponoum Ena Conorai Raung										
		1	T	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca		ın (mm	i): 5944							
Barrel Last Accessible Date	10-Jan-2013			Ice 2m to crown.						
Special Features										
Special Feature										
(Type:)										
Special Feature				-						
(Type:)										
Roof		5	5	Roof appears to be in adequate condition.						
Measured Rise (mm)				Theor appears to so in adoquate something						
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall		5	5	Crack with efflorescence on S sidewall.						
Measured Span (mm)										
Measured At Ring No.										
Deflection (mm)	0									
Percent Deflection										
Floor		N	N	(Floor is breaking up in at least one spot where the bevel joins the						
Bulge (mm)				barrel U/S end. 1991/09/25)						
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		5	5							
Separation (mm)	15									
Longitudinal Seams		5	Х							
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									
Ponding (Y/N)	No									

07497 -1 Bridge Culvert

				vert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 5944	, Rise (mm): 3277, Type: AP)
Fish Passage Adequacy		7	7	
Baffle		N	N	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
			ownstr	eam End
Culvert Component		i e	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	6	
Collar		Х	Х	
Wingwalls		4	5	Wide vertical crack on NE wingwall.
(Shape : FLARE)				
Cutoff Wall		N	N	
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	N	
(Type : NONE)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	(Scour hole silted in, D/S pool approx 18m x 6m x 0.4m27-May-2009) Snow covered.
Beavers (Y/N)	No			
			I	
Downstream End General Ratio	ng	4	4	GR carried forward.
		s	tructur	e Usage
				Explanation of Condition
Channel (U/S and D/S)				,
Alignment		5	5	Makes sharp bend off D/S end to the West.
Bank Stability		4	4	Sloughing/vertical banks d/s.
HWM (m below Top of Culvert)				
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating		4	4	

		Maintenance Pe	commendations				
Inspector Recommendations	Year	Inspector Comments	Department Cor	mments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS	1 Gui	moposion commonic	Dopartinoni Coi	minorito	raigot roai	201. 0001	Out II
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Remove beaver dam from inlet					
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/N (%)	ow) 55.6/55	.6 Sufficiency Rating (Last/N	Now) 56.7/56.5	Est. Repl. Yr 202	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Wade Nanning	a	Previous Assistant's Name				
Next Inspection Date	10-Oct-2014		Previous Inspection Date	25-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							