					Bridg	e Culve	ert Insp	ection						
Bridge File Number 78748 -1 Bridge Culvert			rt			Form Type			CUL1					
Year Built 1977							Lot No	١.		2				
Bridge or Town Name ROBB							Inspector Name			Todd Warshawski				
Located Over CENTRE C			RE CREEK, 8.1	CREEK, 8.11.84.73, WATERCRS-				tor Class		BR CLS B				
Located On 40:24 C1 10			C1 10 502	10.502				ant Name						
Located On 40:24 C1 10 Water Body Cl./Year			51 10.502	10.502				ant Class						
Navigabil. Cl./Y							Inspection Date			31-Oct-2012				
Legal Land Loc		NW SE	C 5 TWP 47 R	3E 10 \//	5N/I			Data Entry By Theresa Lacusta						
				JE 13 W	JIVI		Data Entry Date			21-Nov-2012				
Longitude, Latitude -116:45:09 Road Authority Alberta Tra				Reviewer Name			Eric Carcoux							
Contract Main. Area CMA13			·		Review Date			13-Nov-2012						
Contract Main. Area CMA13 Clear Roadway/Skew 13 /		,		Dept. Reviewer Name										
Clear Roadway/Skew 13 / AADT/Year 300 / 201		011 (A)		Dept. Review Date			22-Nov-2012							
Road Classifica	ition	RAU-2					Follow-Up By							
Detour Length (		31		J.4-11U										
Bridge Culvert														
Number of Culv			1											
Pipe #	Barrel		Span Rise (or Dia.)		Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1800		MP		57.9		75X25	2.8	ROUND		
Special Feature	es													
Special Feature		ment												
					Uti	ilities (L	ocated	l at)						
Utility Attachme	ents				J.,	ilidos (L	<u>-ccatcc</u>	at)						
Telephone							Gas							
							Munici	nal						
Power Others							m (Y/N)	No						
Remarks	File ta	ıg install	ed @ U/S roof.					( )						
				Α	pproac	ch Road	d / Emb	ankment						
					Last	Now	Explai	nation of	Condi	tion				
Horizontal Align	ment				8	8	Limited sight distance to East due to crest curve.							
Vertical Alignment			6	6										
Roadway Width	n (m)		13.000											
Embankment					4	6								
Sideslope (	_:1)		3.0				1							
(Height of Co	ver(m) :	5)												
Guardrail (Y/N)			No											
Approach Roa	d / Emk	oankme	nt General Rat	ing	6	6								
						Upstre	am Enc	i						
Culvert Compo	onent				Last	Now		nation of	Condi	tion				
Direction		E	,											
End Treatment (Concrete, Steel, Others, None)														
Headwall		Х	Х											
Collar					Х	Х								
Wingwalls			Х	Х										
(Shape: )														
Cutoff Wall					X	X								

78748 -1 Bridge Culvert

Upstream End										
Culvert Component			Now	Explanation of Condition						
Bevel End		5	5	S. side bent in 300mm(under water but visible.)						
Heaving (mm)	50									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	350									
Scour Protection		7	7							
(Type: RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		5	5							
		Bric	lae Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1800, Type: MP)						
Barrel Last Accessible Date	09-Dec-1996			Culvert viewed from ends. (water 900mm deep)						
				General shape and condition appear adequate.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		N	N	(Mid 1880 x 1740. 2002/04/06) (06/Oct/2005)						
Measured Rise (mm)										
Measured At Ring No.	1									
Sag (mm)	60									
Percent Sag	3									
Sidewall		N	N	(First section from inlet. 2002/04/06)						
Measured Span (mm)										
Measured At Ring No.	1			(06/Oct/2005)						
Deflection (mm)	80									
Percent Deflection	4									
Floor		N	N							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	Yes									
Circumferential Seams		N	N	(300mm gap @ last D/S barrel. Coupler intact. 17/Apr/2007)						
Separation (mm)	300									
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		N	N	Pitting rust lower 1/204-Feb-2009						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	Yes			900mm ponding due to rock dam @ D/S endphoto						

		Bric	lge Cu	lvert Barrel					
•		Last Now		Explanation of Condition					
(Pipe #: 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1800, Type: MP)					
Fish Passage Adequacy		4	4	Hanging outlet & rock damphoto					
Baffle		Х	Х						
(Type : )									
Waterway Adequacy		6	6	.8m ice to crownNov 2010					
Icing (Y/N)	No			(400mm deep silt @ U/S barrel. 17/Apr/2007) Iced over.					
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	N	G.R. from 17/Apr/2007. Was "6"					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	ection								
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		7	6	Bevel protrudes 500mm from fill.					
Heaving (mm)	100								
Invert Above/Below Stream Bed	ABOVE			(17/Apr/2007)					
Above/Below (mm) 300									
Scour Protection		4	5						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm):)			1						
Scour/Erosion		4	5						
Beavers (Y/N)	No								
Downstream End General Ratir	ng	4	5						
		s	tructu	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7						
Bank Stability		7	7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	DEGRADING			Deg d/s only					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		7	7						

		Maintena	nce Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Con	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP	2013	Remove rock dam @ D/S end	d.						
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 55.6/55	.6 Sufficiency Rating (%)	(Last/Now)	51.3/52.8	Est. Repl. Yr	2028	Maint. Re	qd. (Y/N)	Yes
Special 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	Eric Carcoux		Previous	Previous Assistant's Name					
Next Inspection Date	31-Jul-2014		Previous	Inspection Date	08-Nov-2010				
Inspection Cycle (Default) (months)	21								
Comment									