B						e Culve	ection							
Bridge File Number 73232 -1 Bridge Culvert						Form Type								
Year Built					Lot No.									
Bridge or Town	Name	KEOMA					Inspector Name							
Located Over		SERVIC	EBERRY CRE	EK, 3.29	.9.13.1	.1,	Inspector Class		BR CLS B					
		WATERCRS-ST					Assista							
Located On		9:02 C1	7.259							25 May 2010				
Water Body CI./	/Year						Inspection Date		25-May-2010					
Navigabil. CI./Ye	ear							ntry By						
Legal Land Loca	ation	SW SEC	C 2 TWP 25 RGE 27 W4M					Beviewer Name		04-Jul-2010				
Longitude, Latitude -113:40:4			:46, 51:06:11					Review Date						
Road Authority Alberta			Transportation (AIT)					Dent Reviewer Name		U2-JUII-2010				
Contract Main. Area CMA30									me					
Clear Roadway/Skew 9 / 18 de			eg. (RHF)					Follow Lip Pu		05-Jul-2010				
AADT/Year 2,840 / 2			2009 (A)					гонож-ор ву						
Road Classifica	ition	RAU-20	09-110											
Detour Length ((km)	3												
Bridge Culvert Information														
Number of Culv	rerts		1	D: (D : \	-								
Pipe #	Barrel		Span	Rise (or	Dia.)	Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	3659		SP		37.8		152X51	3.5	ROUND		
Special Feature	s	0000									1			
Special Features Comment														
•														
					Uti	lities (L	ocated	at)						
Utility Attachme	ents													
Telephone	WEST	WEST R/W						Municipal						
Power	Power 3 W @ EAST R/W						Problem (V/N) No							
Others							Proble	m (Y/N) N	0					
Kemarks														
					Last	Now	Explanation of Condition							
Horizontal Alignment					8	8								
Vertical Alignment				9	9	4:1 directly over pipe 2.5:1 @ sideslopes								
Roadway Width	n (m)		9.000											
Embankment					7	7								
Sideslope (•1)		2.5	-	1									
(Height of Cov	ver(m) ·	0.8)	2.0				-							
Guardrail (Y/N)			Yes		Minor damage									
Approach Road	d / Emb	ankmer	nt General Rat	ina	8	8								
••				0										
						Upstrea	am End							
Culvert Compo	onent				Last	Now	Explar	nation of Co	ondit	ion				
Direction End Treatment (Concrete Steel CONCRETE			VV		20mm wide crk @ S									
Others, None)					v	V								
					^	^								
Collar			5	5	10mm WIDE CRK @ N-Is cast 2m in front of bevel. Crk is @ end of bevel. Same as crack @ S.									
Wingwalls					Х	Х								
(Shape :)														

Alberta Transportation

	1	am End								
Culvert Component		Last	Now	Explanation of Condition						
Cutoff Wall			Х							
Bevel End		6	6	Has minor rotation clockwise.						
Heaving (mm)	0									
Invert Above/Below Stream Bed										
Above/Below (mm)										
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 250)										
Scour/Erosion		7	7							
Beavers (Y/N)	No		_							
Upstream End General Rating		6	6							
		Brid	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 3659, Type: SP)						
Barrel Last Accessible Date	30-Apr-2008			Barrel has clockwise rotation and lean to south NOT ACCESSIBLE						
Special Features										
Special Feature										
(Type :)										
Special Feature										
(Туре :)										
Roof		4	N	[Poor torquing of bolts - suspect cracked seam on outside, inward						
Measured Rise (mm)	3470			cusing of seam @ rings #5,6,7,8,9 @ roof & sidewall. Rings 1, 3, 4,						
Measured At Ring No.	7			5, 0, 0 @ 1001j April 50/ 2008						
Sag (mm)	189									
Percent Sag	5									
Sidewall		4	N							
Measured Span (mm)	3860		1							
Measured At Ring No.	7									
Deflection (mm)	201									
Percent Deflection	5									
Floor	•	4	N							
Bulge (mm)	0									
Measured At Ring No										
Abrasion (Y/N)	Yes									
Circumferential Seams		4	N							
Separation (mm)	0									
Longitudinal Seams		4	N	[30-40mm gap @ long roof seams, 30mm gap @ longit, floor seams,						
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams				no cracked seams - visualj April 30/2008						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	No									
Longitudinal Stagger (Y/N)	Yes									
Coating		4	4	Scaling & Ptting Barrel has poor shape @ d/s end - photo						
Corrosion By Soil (V/N)	No	7	-7	ecaning a r turng. Barror has poor shape e a/s end - photo						
Corrosion By Water (V/N)	Yes									
Camber POS/ZERO/NEG	NEG									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

73232 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last Now		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 3659, Type: SP)					
Ponding (Y/N) No									
Fish Passage Adequacy		5	5						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	Drift (Y/N) No								
Barrel General Rating	Barrel General Rating			GR carried forward					
			Downstream End						
Culvert Component		D	Now	Explanation of Condition					
Direction		F							
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall	1	Х	X	east end.					
Collar		X	Х						
Wingwalls		X	Х						
(Shape:)									
Cutoff Wall		X	X						
Bevel End		6	6	Clockwise rotation, leans to south.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm) 300			1						
Scour Protection		4	4	Bevel projects avg 500 mm from fill.					
(Type : RIP RAP)				8 m DIA x 1.5 m DP SCOUR - ROCK LINED.					
(Avg. Rock Size(mm) : 400)		1	1						
Scour/Erosion			4	ROCK DISPLACED D/S					
Beavers (Y/N)	No		1						
Downstream End General Rating			4						
		S	structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)			0						
Alignment			6						
Bank Stability			7						
HWM (m below Top of Culvert)				HWM Not visible					
Drift (Y/N) No									
Channel Bottom DEGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)		-						
Channel General Rating			6						

73232 -1 Bridge Culvert

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comr		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP	2	2010	10m3 Class 2								
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	w) 4	44.4/44.4	4 Sufficiency Rating (Last/No. (%)	.t/Now) 58.4/58.2		Est. Repl. Yr	t. Repl. Yr 2015		qd. (Y/N)	Yes	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Estimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Jaso		lason Rusu			Previous Assistant's Name						
Next Inspection Date 25-		25-Feb-2012			Previous Inspection Date 30-Apr-2008						
Inspection Cycle (Default) (months) 21											
Comment											