Bridge Culvert Inspection													
Bridge File Nur	nber	77557 -1	-1 Bridge Culvert				Form T	уре	CUL1				
Year Built 1976							Lot No		4				
Bridge or Town	Name	FORT M	ИАСКАҮ				Inspec	tor Name	Wade Nanninga				
Located Over		BEAVER	R RIVER, 8.11	.29, WAT	ERCR	S-ST	Inspec	tor Class	BR CLS A				
Located On		63:12 C1	46.180				Assista	ant Name					
Water Body Cl.	/Year						Assista	Assistant Class					
Navigabil. Cl./Year						Inspec	tion Date	15-Nov-2011					
Legal Land Location NE SEC		36 TWP 93 RGE 11 W4M				Data E	ntry By	Theresa Lacusta					
Longitude, Latitude -111:37:3		34, 57:06:50				Data E	ntry Date	23-Nov-2011					
Road Authority Alberta T		ransportation	(AIT)			Reviewer Name		Eric Carcoux					
Contract Main. Area CMA07						Review Date		23-Nov-2011					
Clear Roadway/Skew 13.5 / -1		5 deg. (LHF)					Reviewer Name	Brent Herrick					
AADT/Year								Review Date	15-Dec-2011				
Road Classifica	ation	RAU-213	13.4-120				Follow-Up By						
Detour Length	(km)	999											
Bridge Culvert Information													
Number of Cull	Porrol		Shon	Diag (or		D:- ) T		Longth	Corr Drofilo	DI /Slob	Shana		
Fipe #	Darrei		opan	Rise (or Dia.)		туре		Lengin	Con. Frome	Thickness	Shape		
1	MAIN	2	2905	3203		SPE		86	152X51	4.2	ELLIPSE		
Special Feature	es												
Special Features Comment													
	Utilities (Located at)												
Dowor	4 line	Gds East row											
Others	4 11163	Eastion				Proble							
Remarks	Diners Problem (Y/N) No												
Approach Road / Embankment													
						Now	Explanation of Condition						
Horizontal Aligr	nment				7	7	Long horizontal curve starts 200 m north. Blind crest curve 200 m to						
Vertical Alignment				6	6	south.	No passing SB.						
		_											
Roadway Width (m)		13.500	13.500										
					6	6							
Sidealana (	•1)		2.0		0 0								
(Height of Co	I) vor(m) ·	<b>97</b> )	2.0										
Guardrail (Y/N)	ver(iii) .	5.1)	No										
Guardian (1/14)													
Approach Roa	ld / Emb	bankmen	t General Rat	ing	6	6							
						11							
Culvert Comp	onont				Last	Now		ation of Condi	tion				
Direction	JIIEIIL				W		слріаі						
End Treatment (Concrete Steel CONCRETE													
Others, None)	Others, None)												
Headwall					X	X							
			F	E	Cloba	attlad South air	da						
					5	5	Slabs settled, South side. Rusted stirrups exposed.						
Wingwalls					X	X							
(Shape:)													
Cutoff Wall					Ν	N							

Alberta Transportation

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	6							
Heaving (mm)	200									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	750									
Scour Protection			6							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : <b>200</b> )										
Scour/Erosion		6	6							
Beavers (Y/N)	Yes			Beaver dam 2.0 m high 20 m U/S.						
Upstream End General Rating			5							
		Brid	dae Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1 Primary Span Loca	tion Code: MAIN_Sna	n (mm	)· 2905	Rise (mm): 3203 Type: SPE)						
Rarrol Last Accessible Date	15 Nov 2011		<u>j. 2303</u>	1 4m from roof to ico						
	13-1100-2011									
Special Features										
Special Feature										
(Type : )		1	-							
Special Feature										
(Type : )										
Roof		7	7							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)										
Percent Sag										
Sidewall	1	5	5							
Measured Span (mm)	3050		U							
Measured At Ring No	10									
Deflection (mm)	145									
Percent Deflection	5									
	5	NI	N	(No bulgo falt under unter under available. Deales in flags come						
Piolor		N N	IN	areas. 19/Aug/2006)						
				Ice on floor.						
Measured At Ring No.				-						
Abrasion (Y/N)										
Circumferential Seams		7	7							
Separation (mm)	0		_							
Longitudinal Seams		7	7	Only half visible						
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N) No										
Longitudinal Stagger (Y/N)	No									
Coating			6	Minor superficial rust lower 1/2.						
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponaing (Y/N)	INO									

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm	): 2905	, Rise (mm): 3203, Type: SPE)					
Fish Passage Adequacy		7	7						
Baffle		N	N						
(Туре : )									
Waterway Adequacy		6	6						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		5	5						
			ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		E							
End Treatment (Concrete, Steel,	STEEL								
Headwall		Y	Y						
		^	^						
Collar		X	X						
Wingwalls		X	Х						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		5	5						
Heaving (mm)	Heaving (mm) 200								
Invert Above/Below Stream Bed BELOW									
Above/Below (mm) 800									
Scour Protection			4	Bevel unsupported. Projects from fill 2.0m.					
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion			4						
Beavers (Y/N)	No								
Downstream End General Ratir	ng	4	4						
			Structur						
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		Laor							
Alignment			6	Meanders D/S.					
Bank Stability		6	5	Steep vertical banks					
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) Yes									
Channel Bottom DEGRADING				20m u/s.					
Beavers (Y/N)	Yes								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			5						

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Con	nments		Department Com	ments	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
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/Now) (%)		55.6/55.	6 Suff (%)	Sufficiency Rating (Last/Now) (%)		<b>52.4/54.4</b> Est. Repl. Yr 2022		2022	Maint. Reqd. (Y/N)		No	
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 Wac		Wade Nanninga				Previous Assistant's Name						
Next Inspection Date 15		15-Aug-2013			Previous	Previous Inspection Date 08-Mar-2010						
Inspection Cycle (Default) (months) 21												
Comment												