Dridge File Num	Bridge							ction						
Bridge File Number 73283 -1			-1 Bridge Culvert				Form Ty	уре						
Prideo or Town Norse EDCON							LOT NO.		Tadd Warehawal:					
Located Over TPIRIT							Inspector Name							
8.11.10			1.107.33.8, WATERCRS-ST					of Namo		BR CLS B				
Located On 47:06 C1			1 28.252		Assistant Class									
Water Body CI./Year					Inspection Date			21 Oct 2012						
Navigabil. Cl./Year					Data Entry By			Theresa Lacusta						
Legal Land Loca	ation N	E SEC	C 1 TWP 51 RGE 20 W5M				Data Entry Date			30-Nov-2012				
Longitude, Latitude -116:48:2		8:21, 53:22:37					er Name		Eric Carcoux					
Road Authority Alberta		lberta 7	ta Transportation (AIT)					Date		28-Nov-2012				
Contract Main. Area CMA13		MA13	13					eviewer N	Jame	Brent Herrick				
Clear Roadway/Skew 9.1 / 25		.1 / 25	25 deg. (RHF)					Dept. Review Date		06-Dec-2012				
AADT/Year 1,020 / 2		2011 (A)		Follow-Up By										
Road Classificat	tion R.	AU-209	9-110		_									
Detour Length (km) 20														
Bridge Culvert Information														
Number of Culve	erts		1								1			
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-	-	1524		MP		15		68X13	2.8	ROUND		
1	D/S		-	1524		MP		25		68X13 3.5 ROUND				
Special Feature	s	E	BARREL ELBC	W										
Special Feature	s Comme	ent												
Litility Attachments														
Telephone	West r/w	//w Gas												
Power	5 wires V	West r/	w. 3 wires East			Municip	al							
Others							Problem	n (Y/N)	No					
Remarks	File tag i	ag in place - top @ West/Inlet end.												
				Ap	oproa	ch Road	d / Emba	nkment						
					Last	Now	Explana	ation of O	Condi	tion				
Horizontal Alignment					5	5	On wide horizontal curve, no passing on NB. Shallow sag.							
Vertical Alignment				7	7									
Roadway Width (m)			9.100	9.100										
Embankment				6	6									
Sideslope (	Sideslope (:1) 3.													
(Height of Cov	ver(m): 4)	)												
Guardrail (Y/N) No														
Approach Road / Embankment C		t General Rating		5	5									
						Upstre	am End							
Culvert Component						Now	Explana	ation of (	Condi	tion				
Direction														
End Treatment (Concrete, Steel, NONE Others, None)														
Headwall			Х	Х										
Collar				Х	Х									
Wingwalls					Х	X								
(Chanai )														

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Upstream End										
Culvert Component			Now	Explanation of Condition						
Cutoff Wall			X							
Bevel End		Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection	·	N N		Covered by beaver dam						
(Туре:)										
(Avg. Rock Size(mm) : )										
Scour/Erosion		N	4	Scour/loss of fill along sides of inlet.						
Beavers (Y/N)	s (Y/N) Yes			2m high dam U/S.						
Upstream End General Rating		6	4							
		Brid	Ivert Barrel							
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1524, Type: MP)						
Barrel Last Accessible Date	31-Oct-2012									
Special Features										
Special Feature		6	6							
(Type : BARREL ELBOW)										
Special Feature										
(Type:)										
Roof		3	3	Measured 8.5 M from D/S end.						
Measured Rise (mm)	1315									
Measured At Ring No.										
Sag (mm)	209			13 7%						
Percent Sag	14			- 13.7 /0						
Sidewall		3	3	Measured 8.5 M from D/S end.						
Measured Span (mm)	1710									
Measured At Ring No.										
Deflection (mm)	186			12.2%						
Percent Deflection	12			- 12.2%						
Floor		5	5							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams			5	First section from D/S end.						
Separation (mm) 200										
Longitudinal Seams		Х	Х	Riveted pipe - D/S end.						
Total No. of Cracked Rings 0				1						
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (Y/N)	Yes			1						
Coating			4	Scaling rust @ 5-7 o'clock.						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes			1						

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

73283 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last Now		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	ı):	, Rise (mm): 1524, Type: MP)					
Camber POS/ZERO/NEG ZERO									
Ponding (Y/N)	No								
Fish Passage Adequacy		4	4	200mm hanging outlet, D/S end.					
Baffle		Х	X						
(Туре:)									
Waterway Adequacy		6	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	Yes								
Barrel General Rating		3	3						
Culvert Compensat		Lact	Now	eam End					
Direction			NOW						
End Tractmont (Congrete Steel	STEEL								
Others, None)	SIEEL								
Headwall		Х	X						
Collar			Х						
Wingwalls		X	Х						
(Shape : )		1	-						
Cutoff Wall		X	X						
Bevel End		5	5						
Heaving (mm)	100								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	200								
Scour Protection		5	4	Loss of fill and under bevel.					
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion			4	Scour hole.					
Beavers (Y/N)	No								
Downstream End General Ration	ng	4	4						
		5	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			5						
Bank Stability			7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) Yes				Beaver dam @ Inlet, U/S end.					
Channel Bottom DEGRADING Degrading/Aggrading				2m high dam immediately u/s.					
Beavers (Y/N) Yes									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			5						

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Maintenance Recommendations												
Inspector Recommendations			Year	Inspector Comments			Department Comments			Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP			2013	Placeme D/S ends	nt of additional Class I Roc s of culvert.	k @ U/S &						
REMOVE DRIFT ACCUMULATION			2013	Removal	l of beaver dam @ Inlet, U/S	S end.						
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTOFF												
REPAIR SEAMS												
OTHER ACTION			2013	Repair scour hole @ D/S end & over outlet bevel end.		r hang of						
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			33.3/33.3 Sufficiency Rating (%)		Sufficiency Rating (Last/ (%)	Now) 3	39.0/34.0	Est. Repl. Yr	2015	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next InspectionMonitor annually until replace Currently at prelim. stage of replacement.			ement. replacer	ment. Con	nsider delaying repairs until		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 Bren		Brent H	Brent Herrick			Previous A	Assistant's Name Bryan Wai					
Next Inspection Date 31-		31-Jul-2014			Previous I	s Inspection Date 04-Oct-2012						
Inspection Cycle (Default) (months) 21		21										
Comment												