					Brida	ie Culve	ert Insn	ection					
Bridge File Number 77279 -		77279 -1	Bridge Culvert 279 -1 Bridge Culvert			,o cant		Form Type CUL1					
		1971	Dilago Caivo				Lot No	•	4				
Bridge or Town Name		-	3 RIVFR					tor Name	-	erschaaf			
Located Over		LONE TEEPEE CREEK, 8.10.58.31.8,						tor Class	Russel Vanderschaaf BR CLS B				
Located On		WATERCRS-ST						ant Name	DIX OLG D				
Located On		40:32 C1	32 C1 35 7/17					ant Class					
Water Body Cl./Year							tion Date	22-Aug-2012					
Navigabil. Cl./Year								ntry By	Theresa Lacu	sta			
Legal Land Lo	cation	NW SEC	17 TWP 56 F	RGE 4 W6	M		Data Entry Date 26-Sep-2012						
Longitude, Lati	itude	-118.33.48 53.50.47					Reviewer Name Eric Carcoux						
Road Authority	<u>'</u>	Alberta T	ransportation	(AIT)			Review Date 24-Sep-2012						
Contract Main. Area		CMA05					Dept. I	Reviewer Nam	e Steve Pasquan				
		8.2 / 0 de	eg.				Dept. Review Date		04-Jan-2013				
AADT/Year		1,090 / 2	011 (A)					-Up By					
Road Classification		RAU-209	9-110										
Detour Length	(km)	100											
Bridge Culver													
Number of Cul	verts	1		I		1		I					
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length	Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN			2430		SP		73.2	152X51	3.5	ROUND		
Special Features													
Special Featur		ment											
·													
					Uti	ilities (L	ocated	at)					
Utility Attachm													
Telephone North r/w					Gas								
Power						Municipal Problem (Y/N) No							
Others						Proble	m (Y/N) No						
Remarks				Δ		ah Daga	J / Emb	ou kwo ou t					
								ankment	lition				
Horizontal Alignment				6	6	Explanation of Condition Direction of passing changes.							
Vertical Alignment				6	6	At bottom of sag curve with gradual horizontal curve at bottom.							
Roadway Width (m)		8.200											
	()		1										
Embankment			8			4	Embankment under construction, access is near road shoulde currently.(road widening).						
Sideslope (:1)			3.0				curren	iiy.(road widen	ing).				
(Height of Co	over(m)	: 7.4)											
Guardrail (Y/N)		Yes											
Approach Road / Embankment General Rati			ing	6	6								
						Upstre	am Enc						
Culvert Comp	onent				Last			nation of Cond	dition				
Direction				W									
End Treatment	t (Concre	ete, Steel,	STEEL										
Others, None) Headwall				Х	X								
Collar				X	X								
Wingwalls				X	X								
(Shape:						, ,	1						
Cutoff Wall					Х	X							
Jaton Wan	Cuton wan				,,								

			Unctre	am End
Culvert Component				Explanation of Condition
Culvert Component Bevel End		Last N	Now 7	Explanation of Condition
	200	IN IN	/	
Heaving (mm)	300			
Invert Above/Below Stream Bed	_			
Above/Below (mm)	0		1	
Scour Protection		N	7	
(Type : RIP RAP)				_
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Bri	dge <u>Cu</u>	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,	Span (mm	ı):	, Rise (mm): 2430, Type: SP)
Barrel Last Accessible Date	22-Aug-2012			
Special Features				
Special Feature				
(Type:)		<u> </u>		
Special Feature				
(Type:)		<u> </u>		
Roof		7	7	
Measured Rise (mm)	2378	- '		
Measured At Ring No.	14			
Sag (mm)	52			
Percent Sag	2			-
		7		
Sidewall (1997)	0.450	7	7	
Measured Span (mm)	2452			
Measured At Ring No.	14			
Deflection (mm)	22			
Percent Deflection	1		1	
Floor	T.	6	4	Crests starting to sharpen due to abrasion.
Bulge (mm)	0			
Measured At Ring No.	14			
Abrasion (Y/N)	Yes			
Circumferential Seams		6	4	Missing 4 bolts RH @.
Separation (mm)	0			
Longitudinal Seams		6	6	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				2N Stagger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	4	Bottom 600mm is abraided.
Corrosion By Soil (Y/N)	No	U		25.to oooniin lo abraidou.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	POS			
Ponding (Y/N)	No			

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		Brid	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2430, Type: SP)
Fish Passage Adequacy		4	4	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		N	N	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	Х	
Bevel End		N	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	400			
Scour Protection		N	4	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	4	
Beavers (Y/N)	No			
Downstream End General Rating		4	4	GR carried over from May 24, 2007
		Structu		re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
Bank Stability		7	7	Vertical banks D/S. Cut bank at D/S end - appears to be stable.
HWM (m below Top of Culvert)	2.0			(HWM drift at U/S end minor - 00/01/22)
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	8	

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		Maintenan	ce Recommendations					
Inspector Recommendations	Year	Inspector Comments	Department Cor	mments	T	arget Year	Est. Cost	Cat #
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING								
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUTO)FF							
REPAIR SEAMS								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/No. (%)	ow) 77.8/77	3.8 Sufficiency Rating (I (%)	Last/Now) 72.4/73.1	Est. Repl. Yr	2021	Maint. Re	qd. (Y/N)	No
Special Monitor d/s scour. Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Est	imated Tota	1 0	
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								
·								
Previous Inspector's Name	Russel Vander	schaaf	Previous Assistant's Name					
Previous Inspector's Name	Russel Vander 22-May-2014	schaaf	Previous Assistant's Name Previous Inspection Date	17-Nov-2010				
		schaaf						