					Brido	ae Culve	ert Inspe	ection						
Bridge File Number 77637 S-1 Bridge Culvert					Diride			Form Type		CUL1				
Year Built		1986					Lot No.			1				
	Bridge or Town Name WANDERING RI							Inspector Name		Eric Carcoux				
Located Over	- Harrio		ARY TO WAN	DERING	RIVER.		Inspector Class		BR CLS A					
		8.11.55.3	3.3, WATERC	RS-ST		`,	Assistant Name							
Located On		63:04 C1	5.509				Assistant Class							
Water Body Cl.	/Year						Inspection Date		13-Jan-2012					
Navigabil. CI./Y	'ear						Data Entry By		Theresa Lacusta					
Legal Land Loc	cation	SE SEC	24 TWP 73 R	GE 17 W	'4M		Data Entry Date		17-Jan-2012					
Longitude, Latit			18, 55:20:00					Reviewer Name		Arnold Assenheimer				
Road Authority			ransportation	(AIT)			Review Date		16-Jan-2012					
Contract Main.		CMA07					Dept. F			Brent Herrick				
Clear Roadway	//Skew	13.4 /					Dept. Review Date		18-Jan-2012					
AADT/Year		3,800 / 2	010 (A)						ollow-Up By					
Road Classifica		RAU-213	3.4-120											
Detour Length		100												
Bridge Culvert														
Number of Culv		1 Span Pice (or Di		-										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2200		MP		42		125X26	3.5	ROUND		
Special Feature	es						1							
Special Feature	es Comr	ment												
					Ut	ilities (l	_ocated	at)						
Utility Attachme														
Telephone	East r						Gas		Swee	t gas line to So	uth.			
Power	3 wire	s East r/v	V.				Municipal							
Others	-						Probler	m (Y/N)	No					
Remarks						ah Daa	d / Emale	ankment						
				A	Last			ation of		tion				
Horizontal Aligr	Horizontal Alignment			6	6			Contai						
Vertical Alignme					8	8	-							
			12 400			0								
Roadway Width	1 (m)		13.400											
Embankment					4	4	Minor o	Minor ditch erosion at NE.						
Sideslope (	_:1)		3.0											
(Height of Co	ver(m) :	1.1)												
Guardrail (Y/N)	1		No											
Approach Roa	ad / Emb	bankmen	t General Rat	tina	6	6								
				5										
Culvert Car	o.n.c.:: (				1.0-1		am End		Const	lion				
•			Last W	Now	Explan	Explanation of Condition								
Direction End Treatment (Concrete Steel STEEL			VV		-									
	(Concre	ete, Steel	End Treatment (Concrete, Steel, STEEL Others, None)											
End Treatment Others, None)	(Concre	ete, Steel												
End Treatment	(Concre	ete, Steel	STEEL		X	X								
End Treatment Others, None)	(Concre	ete, Steel			X X	X X								
End Treatment Others, None) Headwall	(Concre	ete, Steel												
End Treatment Others, None) Headwall Collar	(Concre	ete, Steel			X	X								

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		4	4	Half of bevel has been cutoff.
Heaving (mm)	400			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		5	5	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	-		, Rise (mm): 2200, Type: MP)
Barrel Last Accessible Date	13-Jan-2012		•	1/3 full with ice.
Special Features				
Special Feature				
(Type:)				1
Special Feature				-
(Туре : )				
Roof		N	N	100mm bulge estimated10-Mar-2010
Measured Rise (mm)	1865			Floor ice covered.
Measured At Ring No.				
Sag (mm)	335			At centerline.
Percent Sag	15			
				15.22%-29-Aug-2008
Sidewall	1	4	4	At centerline.
Measured Span (mm)	2405			_
Measured At Ring No.				_
Deflection (mm)	205			-
Percent Deflection	9			
Floor		N	N	Sensed bulging between mid-barrel and D/S end. Bulging estimated at 100mm, lots of rubbish and gravel on floor10-Mar-2010
Bulge (mm)	100			
Measured At Ring No.				_
Abrasion (Y/N)	Yes			
Circumferential Seams	1	4	4	
Separation (mm)	150			
Longitudinal Seams		X	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	1	4	4	Pitting above ice.
Corrosion By Soil (Y/N)	No			-
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77637 S-1 Bridge Culvert

		1		lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	in (mm	):	, Rise (mm): 2200, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		X	Х	
(Туре : )				
Waterway Adequacy		7	7	(Iced to within 900mm at c/l. 2003/03/01)
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		2	2	GR carried fwd FROM 29-Aug-2008
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall	1	Х	X	
Collar		X	X	
Wingwalls		X	X	
(Shape: )				
Cutoff Wall		X	X	
Bevel End	1	6	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			-
Above/Below (mm)	200			
Scour Protection		5	5	Settlement up to 0.4m along North side of bevel. Grassed. Few
(Type : <b>RIP RAP</b> )				rocks. Appears stable .
(Avg. Rock Size(mm) : 250)			-	
Scour/Erosion		5	5	
Beavers (Y/N)	No		,	
Downstream End General Ratir	າg	5	5	
		s	tructu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
	No			
Beavers (Y/N)				
Beavers (Y/N) (Fish Compensation Measure 1 : (Fish Compensation Measure 2 :	NONE)			-

Maintenance Recommendations											
Inspector Recommendations		Ye	ear	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITION	NAL RIP RAP										
REMOVE DRIFT	ACCUMULATION										
INSTALL CONCR	ETE/STEEL LINING										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF		FF									
	REPAIR SEAMS										
OTHER ACTION											
OTHER ACTION											
	OTHER ACTION										
OTHER ACTION								_			
Structural Condition Rating (Last/Now) (%)		ow) 22	22.2/22.2 Sufficiency Rating (Last/ (%)		v) 4	<b>0.8/40.9</b> E	<b>40.9</b> Est. Repl. Yr 2015		Maint. Reqd. (Y/N) Y		Yes
Special	Low rating advisory	previously	y sent -:	20-May-2008 and 15-Jan-2012		Department					
Comments for Next Inspection	Scheduled for replace	cement as	s part of	f Hwy 63 twinning		Comments					
	Monitor sag until rep	placement.		i i ii y co tiini ii ig.							
Maintenance Reviewed By						Date		E	Estimated Total	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Wade			Vade Nanninga Previous A			Assistant's Name					
Next Inspection D	Next Inspection Date 13-Oc		3-Oct-2013			revious Inspection Date 11-Mar-2010					
Inspection Cycle (	Inspection Cycle (Default) (months) 21										
Comment											