					Brida	e Culve	ert Insp	ection				
Bridge File Number 01862 -1 Bridge Culvert				Form Type				CULE				
Year Built 1976						Lot No.			4			
Bridge or Town Name RED EAF		EARTH CR			Inspector Name		Brian Pientsch					
Located Over 2ND OR		D ORDER TRIBUTARY TO WABASCA					BR CLS A					
								Clem Guenette				
Located On 88:12 C1 21.682 Water Body Cl./Year						Assistant Class						
Navigabil. Cl./Year						Inspection Date		12-Jun-2012				
			15 TMD 05 DGE 8 M5M				, ,		Theresa Lacusta			
			·06 57·14·12				·		05-Nov-2012			
		Transportation (AIT)				Reviewer Name		Eric Carcoux				
Contract Main. Area CMA02		n2						04-Nov-2012				
Clear Roadway			M dog (PUE)				Dept. Reviewer Name					
AADT/Year	y, Onon		2011 (A)				Dept. Review Date		15-Jan-2013			
Road Classifica	ation	RAU-21					Follow	-Ор Ву				
Detour Length		300					1					
Bridge Culver	` '	1										
Number of Cul			1									
Pipe #	Barrel	;	Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape
1	U/S		-	4300		SP		9.972		152X51	3.0	ROUND
1	MAIN	:	3495	3854		SPE		73.194		152X51	4.2	ELLIPSE
1	D/S		-	4300		SP		7.534		152X51	3.0	ROUND
Special Feature								111001			10.0	11100111
Special Feature		ment										
Ороский одна												
					Uti	ilities (L	ocated	at)				
Utility Attachme	ents											
Telephone						Gas						
Power					Munici							
Others							Proble	m (Y/N)	No			
Remarks												
Α						ast Now Explanation of Condition						
LI COLAR				Last 7		On slight grade with sag curve 400m north.						
Horizontal Alignom					7	7	On Signic grade with say curve 40011 Hortil.					
Roadway Widt			10.000		1	,						
Todaway vidt	(!!!)		10.000									
Embankment				7	7							
Sideslope (_			3.0									
(Height of Co		8)										
Guardrail (Y/N)	)		Yes									
Approach Roa	ad / Eml	bankmen	nt General Rat	ing	7	7						
						Up <u>stre</u>	l am End					
Culvert Component					Last	Now	1	ation of (	Condi	tion		
Direction					S							
End Treatment (Concrete, Steel, CONCRETE Others, None)												
Headwall			9	9								
Collar			9	9								
Wingwalls			9	X								
(Shape : )												

01862 -1 Bridge Culvert

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 450)				
Scour/Erosion		8	8	
Beavers (Y/N)	No		_	
Upstream End General Rating		8	8	
		Brid	dge Cu	lvert Barrel
Culvert Component		1	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span			Rise (mm): 4300, Type: SP)
Barrel Last Accessible Date	12-Jun-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		9	7	
Measured Rise (mm)	4189			
Measured At Ring No.	1			
Sag (mm)	111			
Percent Sag	3			
Sidewall		9	8	
Measured Span (mm)	4303			
Measured At Ring No.	1			
Deflection (mm)	3			
Percent Deflection	1			
Floor		N	N	Under water and silt.
Bulge (mm)	0			
Measured At Ring No.	1			
Abrasion (Y/N)	No			
Circumferential Seams		9	9	
Separation (mm)	0			
Longitudinal Seams		9	9	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			3N stagger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		7	7	
Corrosion By Soil (Y/N)	No		•	
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
				/I

01862 -1 Bridge Culvert

Bridge Culvert Barrel								
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	(mm):	, F	Rise (mm): 4300, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		8	8					
Baffle		Х	X					
(Type:)								
Waterway Adequacy		8	8					
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel Extension General Ratin	ıg	9	7					
		Bric	lae Cul	lvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa							
Barrel Last Accessible Date	12-Jun-2012							
Special Features		<u> </u>						
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		6	6					
Measured Rise (mm)	3715							
Measured At Ring No.	11							
Sag (mm)	139							
Percent Sag	4							
Sidewall		6	6					
Measured Span (mm)	3651							
Measured At Ring No.	11							
Deflection (mm)	156							
Percent Deflection	5							
Floor		N	N	Under water				
Bulge (mm)	0							
Measured At Ring No.	1							
Abrasion (Y/N)	No							
Circumferential Seams		7	7					
Separation (mm)	0							
Longitudinal Seams		7	7					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	0			1N stagger				
Min. Remaining Steel Between Cracks (mm)				Tiv Stagger				
Proper Lap (Y/N)	Yes							
Longitudinal Stagger (Y/N)	Yes							
Coating		4	5	Pitting rust lower 1/305-Aug-2010				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							

		Brid	lge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 3495	, Rise (mm): 3854, Type: SPE)
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle			Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
		D	ownstr	ream End
Culvert Component		Last		Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		9	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		8	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 450)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
		s	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		1	1	
Alignment		7	7	
Bank Stability		5	5	Minor bank erosion occuring u/s of riprap apron.
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N) No				
Channel Bottom Degrading/Aggrading  DEGRADING				80m d/s.
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 :	NONE)			
<b>Channel General Rating</b>		7	7	

		Maintenance R	ecommend	lations					
Inspector Recommendations	Year	Inspector Comments		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/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									$\perp$
OTHER ACTION									
Structural Condition Rating (Last/N(%)	low) 66.7/6	Sufficiency Rating (Last	/Now)	<b>75.6/75.6</b> Est. Repl. Yr 2038		2038	Maint. Re	qd. (Y/N)	No
Special Monitor bank eros Monitor culvert defined Next Inspection	on u/s of riprap lection.	apron.		Department Comments					
Maintenance Reviewed By				Date		E	stimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Brian Pientsch Previou			s Assistant's Name Lisbeth Medina					
Next Inspection Date	12-Mar-2014		Inspection Date	05-Aug-2010					
Inspection Cycle (Default) (months)	21								
Comment									