				R	ridae	- Culve	ert Inspe	ection					
Bridge File Num	her	79382 -1 Bridge Culvert				Guive	Form Type		CUL 1	CUL1			
Year Built	1001	1910					Lot No.	-		4			
	Name	DUFFIELD						or Name	Wade Nanninga				
Located Over TRAIL-ANIMAL, OVER SP				R SP			Inspector Class		BR CLS A	<u>gu</u>			
Located On 770:06 C1 9.570				10			Assistant Name		DI OLO /				
Water Body Cl./Year							Assistant Class						
Navigabil. Cl./Year							Inspection Date		15-Oct-2012	15-Oct-2012			
Legal Land Location SW SEC 34 TWP 51 RGE 2 W5				RGF 2 W5M			Data Entry By		Lisa Fairhurst				
Longitude, Latitude -114:13:23, 53:26:23							Data Entry Date		30-Oct-2012				
Road Authority Alberta Transportation (AIT)				n (AIT)			Reviewer Name		Eric Carcoux				
Contract Main. Area CMA11				. (/ /			Review Date		25-Oct-2012				
Clear Roadway/Skew 9 /							Dept. Reviewer Name						
AADT/Year	<u> </u>		2011 (A)				Dept. Review Date		20-Nov-2012				
Road Classifica	tion	RCU-20					Follow-						
Detour Length (		25						~p = )					
Bridge Culvert													
Number of Culv			1										
	Barrel		Span	Rise (or Di	a.)	Туре		Length	Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1800		MP		18.9	65X13	2.8	ROUND		
Special Feature	 S		CONC FLOO	 R						-			
Special Feature		nent											
•													
					Pos	sting Ir	nformati	on					
Required Vert. (													
Posted Vertical													
Posted: Lane	NB		Bridge (m)	In Advar	nce (`	Y/N)	L	ane SB	On Bridge (m)	In Advar	nce (Y/N)		
Remarks	Not re	quired.											
					Util	lities (L	ocated	at)					
Utility Attachme		,											
Telephone		none West r/w											
DOWER							Gas						
Power	2 wire	W r/w.					Municip						
Others	2 wire	W r/w.											
	2 wire	W r/w.		A			Municip Probler	m (Y/N) No					
Others	2 wire	W r/w.					Municip Probler	n (Y/N) No	dition				
Others Remarks		W r/w.			ast	Now	Municip Probler 2 / Emba Explan	n (Y/N) No ankment ation of Con	dition				
Others Remarks Horizontal Align	ment	W r/w.			ast 7	Now 7	Municip Probler I / Emba Explan	n (Y/N) No  nhkment ation of Con ces each way	dition e to South-crest.				
Others Remarks	ment	W r/w.			ast	Now	Municip Probler I / Emba Explan	n (Y/N) No  nhkment ation of Con ces each way					
Others Remarks Horizontal Align	ment	W r/w.			ast 7	Now 7	Municip Probler I / Emba Explan	n (Y/N) No  nhkment ation of Con ces each way					
Others Remarks Horizontal Align	ment	W r/w.	9.000		ast 7	Now 7	Municip Probler I / Emba Explan Entrand Limited	n (Y/N) No  nhkment ation of Con ces each way	e to South-crest.				
Others Remarks Horizontal Align Vertical Alignme	ment	W r/w.	9.000		7 6	7 6	Municip Probler I / Emba Explan Entrand Limited	n (Y/N) No ankment ation of Con ces each way sight distance	e to South-crest.				
Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment	ment ent (m)	W r/w.			ast 7	Now 7	Municip Probler I / Emba Explan Entrand Limited	n (Y/N) No ankment ation of Con ces each way sight distance	e to South-crest.				
Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ment ent (m)		9.000		7 6	7 6	Municip Probler I / Emba Explan Entrand Limited	n (Y/N) No ankment ation of Con ces each way sight distance	e to South-crest.				
Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ment ent (m)		3.0		7 6	7 6	Municip Probler I / Emba Explan Entrand Limited	n (Y/N) No ankment ation of Con ces each way sight distance	e to South-crest.				
Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ment ent (m)				7 6	7 6	Municip Probler I / Emba Explan Entrand Limited	n (Y/N) No ankment ation of Con ces each way sight distance	e to South-crest.				
Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ment ent (m) :1) ver(m):	1.2)	3.0 No	L	7 6	7 6	Municip Probler I / Emba Explan Entrand Limited	n (Y/N) No ankment ation of Con ces each way sight distance	e to South-crest.				
Others Remarks  Horizontal Align Vertical Alignme  Roadway Width  Embankment Sideslope (	ment ent (m) :1) ver(m):	1.2)	3.0 No	L	7 6	7 6	Municip Probler I / Emba Explan Entrand Limited	n (Y/N) No ankment ation of Con ces each way sight distance	e to South-crest.				
Others Remarks  Horizontal Align Vertical Alignme  Roadway Width  Embankment Sideslope (	ment ent (m) :1) /er(m):	1.2)	3.0 No	hting	7 6 6	7 6	Municipe Problem Explan Entrang Limited wide cr	n (Y/N) No ankment ation of Con ces each way sight distance	e to South-crest.				
Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ment ent (m) :1) /er(m):	1.2)	3.0 No	hting	7 6 6 ast	Now 7 6	Municipe Problem Explan Entrang Limited wide cr	n (Y/N) No  Inkment ation of Con ces each way sight distance acking in SB	e to South-crest.				
Others Remarks  Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (	ment ent (m) :1) //er(m):	1.2)	3.0  No  nt General Ra	nting L	7 6 6 ast	Now 7 6	Municipe Problem Explan Entrang Limited wide cr	n (Y/N) No  Inkment ation of Con ces each way sight distance acking in SB	e to South-crest.				

79382 -1 Bridge Culvert

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Collar		X	X						
Wingwalls		Х	Х						
(Shape: )									
Cutoff Wall		Х	Х						
Bevel End		Х	Х						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection		7	7						
(Type : <b>NATURAL</b> )									
(Avg. Rock Size(mm):)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating		7	7						
		Brid	dae Cu	Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1800, Type: MP)					
Barrel Last Accessible Date	15-Oct-2012			Rivet pipe					
Special Features									
Special Feature		N	N	covered with manure					
(Type : CONC FLOOR)									
Special Feature									
(Type:)									
Roof		5	5						
Measured Rise (mm)				West end dented.					
Measured At Ring No.				CL					
Sag (mm)	110								
Percent Sag	6			Est.					
Sidewall		5	4						
Measured Span (mm)	1940			CI					
Measured At Ring No.									
Deflection (mm)	140								
Percent Deflection	8								
Floor		N	N						
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams	I	6	6						
Separation (mm)	40								
Longitudinal Seams	I	6	6	Rivetted.					
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)	Yes								

Bridge Culvert Barrel							
Culvert Component			Now	Explanation of Condition			
(Pipe #: 1, Primary Span, Location Code: MAIN, Spa			):	, Rise (mm): 1800, Type: MP)			
Coating		6	6	Superficial corrosion @ rivets - minor			
Corrosion By Soil (Y/N)	Yes						
Corrosion By Water (Y/N)	No						
Camber POS/ZERO/NEG	ZERO						
Ponding (Y/N) No							
Fish Passage Adequacy		Х	Х				
Baffle		Х	X				
(Type:)							
Waterway Adequacy		X	X				
Icing (Y/N)	No						
Silting (Y/N)	No						
Drift (Y/N)	No						
Barrel General Rating		5	4				
		D	ownstr	eam End			
<b>Culvert Component</b>		1	Now	Explanation of Condition			
Direction		E					
End Treatment (Concrete, Steel, Others, None)	NONE						
Headwall		Х	Х				
Collar		Х	Х				
Wingwalls		Х	Х				
(Shape: )							
Cutoff Wall		Х	Х				
Bevel End		Х	Х				
Heaving (mm)	0						
Invert Above/Below Stream Bed							
Above/Below (mm)	0						
Scour Protection		7	7				
(Type : NATURAL)							
(Avg. Rock Size(mm):)							
Scour/Erosion		7	7				
Beavers (Y/N)	No						
Downstream End General Ratio	ng	7	7				
		9	Structuu	re Usage			
			Now	Explanation of Condition			
Grade Separation			111011				
Road Alignment		9	9				
Roadway Surface		5	6				
(Type:)							
Icing (Y/N)	No						
Traffic Safety Features		X	Х				
Type							
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1			4			

Structure Usage							
		Last	Now	Explanation of Condition			
Lighting		X	X				
Barrel Leakage (Y/N)	No						
Drainage		4	4	Ponding near East end.			
Structure In Use (Y/N)	No						
Grade Separation General Rating		4	4				

		Maintenan	ce Recommend	ations					
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	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 55.6/44	.4 Sufficiency Rating ( (%)	Last/Now)	68.1/62.6	Est. Repl. Yr	2033	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		I	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name Arnold Assenheimer Previous Inspector's Name			Previous	ous Assistant's Name					
Next Inspection Date	15-Jan-2016		Previous	nspection Date	10-Jul-2009				
Inspection Cycle (Default) (months)	39								
Comment									