					Brida	e Culve	ert Insn	ection					
Bridge File Number 72456 -1 Bridge Culvert			rt	Billag	G Guive	Form Type			CUL1				
Year Built 198			. Dilago Gaivo				Lot No.		4				
Bridge or Town Name IRC			NVFR				Inspector Name		Wade Nanninga				
Located Over			TARY TO SAND	RIVER	7 11 1		Inspector Class			BR CLS A			
Localed Over		WATER	RCRS-ST	, INIVEIN,		,	Assistant Name		DICOLO A				
Located On 55:16			1 14.260				Assistant Class						
Water Body Cl./Year						Inspection Date		09-Apr-2012					
Navigabil. Cl./Year							Data Entry By		Lisa Fairhurst				
Legal Land Location SW		SW SE	C 25 TWP 63 R	GE 8 W4	M		Data Entry Date		25-Apr-2012				
Longitude, Latitude -11		-111:05	:10, 54:28:18				Reviewer Name		Eric Carcoux				
Road Authority Alber			herta Transportation (AIT)					Review Date		25-Apr-2012			
Contract Main.	Area	CMA08					Dept. Reviewer Name		•				
Clear Roadway	/Skew	12.6 / 4	S / 42 dog (DUE)					Dept. Review Date		04-May-2012			
AADT/Year		1,590 /	2011 (A)				Follow-Up By			or may 2012			
Road Classifica	ation	RAU-21	11.8-110				- Ollow op by						
Detour Length	(km)	40											
Bridge Culvert	Inform	nation											
Number of Culv	/erts		1										
Pipe #	Barrel		Span Rise (or D		Dia.) Type			Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		-	1800		MP		76		125X26	2.8	ROUND	
Special Feature	es							'			<u>'</u>		
Special Feature		ment											
·													
					Uti	ilities (L	ocated	at)					
Utility Attachme	T	,					0		I				
Telephone South r/w.			00 [	- , ,	Gas								
Power	wire to	es OH 30 o farm so	om of c/i, 1 wire outh crosses ro	crossing 60m East. 1 d over culvert.			Munici						
Others						Proble	m (Y/N)	INO					
Remarks	BF tag	g installe	d on top of Nor	th end roo	of.								
				Ap	oproa	ch Road	l / Emb	ankment					
					Last	Now		ation of		tion			
Horizontal Alignment			9	7	Intersection 200m W								
Vertical Alignment				8	8								
Roadway Width (m)		12.600											
Embankment				8	8								
Sideslope (_:1) 2.5					1								
(Height of Co	· ·	: 5.5)					1						
Guardrail (Y/N)			Yes				SW radius turn down end damaged but still functioning						
Guardian (1711)													
Approach Roa	d / Eml	bankmeı	nt General Rat	ing	8	7							
						Upstre	am Enc						
Culvert Compo	onent				Last	Now		ation of	Condi	tion			
Direction			N										
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL										
Headwall			Х	Х									
Collar			Х	X									
Wingwalls			Х	X									
(Shape: )					, ,	1							
Cutoff Wall			Х	X									
Catali ITali					'								

72456 -1 Bridge Culvert

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		8	8	_					
Heaving (mm)	75								
Invert Above/Below Stream Bed									
Above/Below (mm)	400								
Scour Protection		8	8						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : <b>250</b> )			1						
Scour/Erosion		8	8						
Beavers (Y/N)	No								
Upstream End General Rating		8	8						
		Brio	dge Cu	livert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1800, Type: MP)					
Barrel Last Accessible Date	09-Apr-2012			Only u/s 50% of culvert accessible due to water depth in d/s half. Ratings based on accessible and visible portions.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		4	4	Const. damage-repaired @ 12:00 approx. 1.5m from u/s.					
Measured Rise (mm)	1655			Near c/l.					
Measured At Ring No.									
Sag (mm)	145								
Percent Sag	8								
Sidewall		4	4	Near c/l.					
Measured Span (mm)	1940								
Measured At Ring No.									
Deflection (mm)	140								
Percent Deflection	8								
Floor		5	N						
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		7	6	Based on visible seams.					
Separation (mm)	75		_						
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)				<u> </u>					
Coating		6	6	_					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								

72456 -1 Bridge Culvert

		Brio	lge Cu	Ivert Barrel
Culvert Component  (Pipe # : 1, Primary Span, Location Code: MAIN, Sp Ponding (Y/N)  No  Fish Passage Adequacy				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	):	, Rise (mm): 1800, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle			Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	
Culvert Component			Now	Explanation of Condition
Culvert Component Direction		S	INOW	Explanation of Condition
End Treatment (Concrete, Steel, Others, None)	STEEL	3		
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	75			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>250</b> )		7		
Scour/Erosion			7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	Low banks.
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating			8	

		Maintenance	Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		<u> </u>	•		J		
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							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	low) 44.4/44	.4 Sufficiency Rating (Las (%)	st/Now) 59.6/59.5	Est. Repl. Yr 203	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	1 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Shane Hall		Previous Assistant's Name				
Next Inspection Date	09-Jan-2014		Previous Inspection Date	14-Jul-2010			
Inspection Cycle (Default) (months)	21		•				
Comment							