Bridge Culvert Inspection															
Bridge File Num	nber	75784	-1 Bridge Culve	rt			Form 1	уре		CUL1					
Year Built		1964					Lot No.			4					
Bridge or Town	Name	DRUMI	HELLER				Inspec	Inspector Name Owe			Owen Salava				
Located Over		TRIBU	TARY TO ROSE	EBUD RI	VER, 3	.33.2,		tor Class		BR CLS A					
Located On			C1 11.957				Assista	ant Name							
	Voor	041.02	C1 11.937				Assistant Class			11-May-2011					
Water Body Cl./Year Navigabil. Cl./Year					Inspec	tion Date									
Legal Land Loc		SW/SE	C 16 TWP 28 R	OE 20 W	/484		ntry By		Marcia Chavez						
				IGE 20 W	/ <del>4</del> IVI		Data E	Data Entry Date 25-May-2011							
Longitude, Latit Road Authority	uue		S:15, 51:23:29  Transportation	/AIT)			Reviev	ver Name	:	John O'Brien					
Contract Main.	Aron	CMA21	•	(AII)			Reviev	v Date		17-May-2011					
							·	Reviewer							
Clear Roadway	/Skew	190 / 20	deg. (LHF)					Review Da	ate	27-May-2011					
Road Classifica	tion	RLU-20	• • •				Follow-Up By								
			J9-110				-								
Detour Length (km) 3															
Number of Culverts 1															
	Barrel		Span Rise (or		Dia )	Туре		Length		Corr. Profile	Pl./Slab	Shape			
т тро п	Darror		Opan	11,00 (01	<i>Dia.</i> ,	Туро	Lengur			Controlle	Thickness	Спаро			
1	MAIN		1724	1901		SPE		42.7		152X51	3.0	ELLIPSE			
Special Features															
Special Feature	es Comr	ment													
					Uti	ilities (L	ocated	at)							
Utilities (Located at) Utility Attachments															
Telephone	West	side.					Gas		38m N	North.					
Power							Munici	Municipal							
Others								m (Y/N)	No						
Remarks	Gas-C	Canterra	Energy 938-66	43				,							
	Approach Road / Embankment														
						Now	Explanation of Condition								
Horizontal Align	ment				8	8	Land a	ccess on	NE/NV	Ν.					
Vertical Alignme	ent				8	8									
Roadway Width	n (m)		9.200												
Embankment			7		7										
Sideslope (:1)		2.5	2.5			Sideslopes steeper at South side of D/S end.									
(Height of Cov	ver(m) :	4.6)					Erosion from ditch drain.								
Guardrail (Y/N) No															
Approach Road / Embankment Gene		nt General Rat	ting 7		7										
	Apploadi Road / Elibankinent General Rating					Unatra	m End								
Culvert Component Last Now Explanation of Condition															
Culvert Component  Direction			Last Now		БХРІАІ	iation or	Condi	LIOII							
End Treatment (Concrete, Steel, STEEL					_										
Others, None) Theadwall				X	Х										
Collar			X	X											
Wingwalls					X	X									
(Shape: )						^	1								
Cutoff Wall					X	X									
Julion Wall															

				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	T	6	6					
Heaving (mm)	100							
Invert Above/Below Stream Bed				_				
Above/Below (mm)	0							
Scour Protection		6	6					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		6	6					
Beavers (Y/N)	No							
Upstream End General Rating		6	6					
		Brid	dge Cu	Ivert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			· ·				
Barrel Last Accessible Date	11-May-2011							
Special Features								
Special Feature								
(Type:)		'						
Special Feature								
(Type:)		<u> </u>						
Roof		7	7					
Measured Rise (mm)	1890							
Measured At Ring No.	8							
Sag (mm)	11							
				0.6%				
	Percent Sag 0							
Sidewall Co. or (co.co.)	4705	7	7	Minor dents during installation.				
Measured Span (mm)	1735							
Measured At Ring No.	8							
Deflection (mm)	11			0.6%				
Percent Deflection	0			0.0%				
Floor		N	6					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		8	8					
Separation (mm)	0							
Longitudinal Seams		7	7	Poorly nested plates on U/S extensions except for first and last				
Total No. of Cracked Rings	0			plates in the barrel.				
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating		5	5	Corrosion along strip of floor with scaling.				
Corrosion By Soil (Y/N)	Yes			20				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

75784 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1724, Rise (mm): 1901, Type: SPE)											
Fish Passage Adequacy		4	4	Invert slightly above S/B.							
Baffle		Х	Х								
(Type:)											
Waterway Adequacy			7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N) No											
Barrel General Rating			7								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		E									
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		Х	X								
Collar			X								
Wingwalls			X								
(Shape: )											
Cutoff Wall			X								
Bevel End			4	Bevel unsupported for 500mm. Bevel							
Heaving (mm)	200			pushed sideways, minor.							
Invert Above/Below Stream Bed	ABOVE										
Above/Below (mm) 50											
Scour Protection		4	4	Scour hole formed (3m X 8m). Outlet re-armoured.							
(Type : RIP RAP)											
(Avg. Rock Size(mm): 450)											
Scour/Erosion			4								
Beavers (Y/N) No											
Downstream End General Ratio	ng	4	4								
		S	tructu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment			6	Pipe on too steep a grade resulting in too high a velocity on outlet scouring streambed. 700mm ditch drainage pipe on NE corner running from land access road to the side of bevel end. (E)							
Bank Stability			7								
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N) No											
Channel Bottom DEGRADING Degrading/Aggrading				At d/s.							
Beavers (Y/N)	No										
(Fish Compensation Measure 1 : NONE)											
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating			6								

			Maintananaa	200000000	lationa					
Inspector Recommendations	Year	Inspector Co	Maintenance F	kecommend	Department Com	amonto		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS	real	inspector Co	minents		Department Con	inenis		Target Tear	ESI. COSI	Cal #
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	7.8 Suf (%)	fficiency Rating (Las	t/Now)	67.0/67.0	Est. Repl. Yr	2034	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	Bryan Wai			Previous	Assistant's Name					
Next Inspection Date	11-Aug-2014			Previous	Inspection Date	25-Mar-2008	3			
Inspection Cycle (Default) (months)	39									
Comment										