					3rida	e Culve	art Inch	ection					
Bridge File Number 71870 -1 Bridge Culvert					Jiiug	e Guive	vert Inspection Form Type			CUL1			
Year Built		1959					Lot No.			2			
Bridge or Town Name			 TT					Inspector Name Todd Warshawski					
Located Over			ARY TO PEME	BINA RIVE	R.			Inspector Name Todd Warshawski  BR CLS B					
		8.11.84.	5, WATERCRS	S-ST	,		Assistant Name						
Located On 44:0			1 45.252				Assistant Class						
Water Body Cl.	/Year						Inspection Date		16-Apr-2013				
Navigabil. Cl./Y	'ear						· ·	ntry By		Theresa Lacu	sta		
Legal Land Location		SE SEC	11 TWP 64 R	GE 1 W5M			Data Entry Date		22-Apr-2013				
Longitude, Latitude		-114:01:	54, 54:31:17				Reviewer Name		Eric Carcoux				
Road Authority		Alberta 7	<b>Fransportation</b>	(AIT)			Review Date		21-Apr-2013				
Contract Main. Area		CMA10					Dept. Reviewer Name		· · · · · · · · · · · · · · · · · · ·				
Clear Roadway/Skew		10.9 / -2	0 deg. (LHF)				Dept. Reviewer Name  Dept. Review Date		23-Apr-2013				
AADT/Year		2,250 / 2	2012 (A)				Follow-Up By		207.0. 2010				
Road Classification		RAU-210	0-110				. 0011	Op 2,					
Detour Length	(km)	5											
Bridge Culver	t Inform	nation											
Number of Culv	verts	1	1	ı				ı					
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	1	1724	1901		SPE		45.1		152X51	2.8	ELLIPSE	
Special Feature	es												
Special Feature		ment											
,													
					Uti	lities (L	ocated	at)					
Utility Attachme	ents												
Telephone							Gas						
Power		4 wires East r/w.					Municipal						
Others Telegraph, west r/w. Fibre optics East, supernet.				tics East, A	Albert	a	Proble	m (Y/N)	No				
Remarks	BF tag	g on u/s e	end.										
				Ар	proac	ch Road	l / Emb	ankment					
				l	Last	Now	Explan	ation of C	ondi	tion			
Horizontal Alignment					8	8	In sligh	In slight sag curve.					
Vertical Alignment						7							
Roadway Width (m) 10			10.900										
Embankment				6	5	Embankment has set		settle	tled over pipe creating slight dip but appears to				
Sideslope (:1)			3.0				have s	ablized.					
(Height of Co	ver(m)	: 3)											
Guardrail (Y/N)			Yes				West side only. Strike damage @ NW			, 8 sections + TDE.			
Approach Roa	d / Eml	bankmen	t General Rat	ing	7	7			,				
						Upstre	am End						
Culvert Comp	onent				Last	Now	1	ation of C	ondi	tion			
Direction					E								
End Treatment Others, None)	(Concre	ete, Steel	, STEEL										
Headwall					Х	Х							
Collar	Collar				Х	Х							
Wingwalls					Х	X							
(Shape: )													

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		X	Х	
Bevel End		5	X	Bevel unsuppoted for 1m & shifted 0.5m South.
Heaving (mm)	250			Bevel bent and lifted from previous debris removals.
Invert Above/Below Stream Bed				
Above/Below (mm)	100			
Scour Protection	100	5	N	Gap between bevel & fill is due to heaving.
(Type : RIP RAP)			- 14	Snow covered
(Avg. Rock Size(mm) : <b>200</b> )				
Scour/Erosion		5	N	Snow covered
	\			
Beavers (Y/N)	No			
Upstream End General Rating		5	4	
				Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca		Span (mm	): 1724	, Kise (mm): 1901, Type: SPE)
Barrel Last Accessible Date	16-Apr-2013			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type : )				
Roof		7	7	Rise not measured due to ice.
Measured Rise (mm)	1881			Sag est at less than 3%
Measured At Ring No.	6			
Sag (mm)	20			
Percent Sag	1			
Sidewall		7	7	
Measured Span (mm)	1721			
Measured At Ring No.	11			
Deflection (mm)	3			
Percent Deflection	1			
Floor		7	N	Ice covered
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	Lower 1/3 not viewed
Separation (mm)	0			25.05 o Hot violed
Longitudinal Seams	J	7	7	
	0	7	,	Lower seams not viewed.
Total No. of Cracked Rings	U			
Total No. of Rings with Two Cracked Seams				1N. Stagger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	5	Bottom 1/3 superficial rust.
Coating				Ctains at upper seems/balts
Corrosion By Soil (Y/N)	Yes			Stains at upper seans/bolts.
	Yes			Stains at upper seans/boits.

		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	): 1724	, Rise (mm): 1901, Type: SPE)				
Ponding (Y/N)	No							
Fish Passage Adequacy		6	6					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	5					
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N)	Yes							
Barrel General Rating		7	7					
		D	ownst	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		W	111011	1200 dia ditch CSP flows onto outlet. 300mm drop to channel.				
	STEEL			Fillcrete washed off. Bevel cantelevered. Lost fill both sides, 1m long.				
Others, None)	No /N) /N) Yes yes peral Rating  Imponent  Imp			2-1200MM csp under railway bed 3m d/s of inlet.				
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		X	X					
(Shape: )								
Cutoff Wall		Х	Х					
Bevel End		6	6	Floor not viewed/rated.				
Heaving (mm)								
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	300		_					
Scour Protection		5	N	Snow covered				
(Type: RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		5	N	Snow covered				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	5	5	Gr carried fwd from July, 2011				
			Structu	ire Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		8	5	Sharp bend at outlet due to railway.				
Bank Stability		6	6					
HWM (m below Top of Culvert)	0.2			Grass in u/s fence.				
Drift (Y/N)	Yes							
Channel Bottom Degrading/Aggrading				stable				
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :								
Channel General Rating		6	5					

		Maintenance Ro	ecommendations				
Inspector Recommendations	Year	Inspector Comments	Department Co	omments	Target	t Year Est. Co	st Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	6						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION	2013	Repair guardrail - 8 sections, 8 post	s, TDE				
OTHER ACTION	2013	Fill in sideslope settlement.					
OTHER ACTION	2013	Remove debris from clearing work.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	ow) 77.8/77	7.8 Sufficiency Rating (Last/	Now) 70.0/62.0	Est. Repl. Yr	2021 Ma	aint. Reqd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimate	ed Total 0	
Proposed Long-Term Strategy					, , , , , , , , , , , , , , , , , , , ,		
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Eric Carcoux		Previous Assistant's Name	е			
1 Toviodo inopodior o Hamo			Daniero Irana etian Data	13-Jul-2011			
Next Inspection Date	16-Jan-2015		Previous Inspection Date	13-341-2011			
	16-Jan-2015 21		Previous inspection Date	13-341-2011			