Bridge Culvert Inspection														
Bridge File Nun	dge File Number 77529 -2 Bridge Culvert										CUL1			
Year Built								Lot No.			4			
Bridge or Town Name LINDEN				J				Inspector Name			Dave Lam			
				PED, OVER 50000 PS					or Class		BR CLS A			
Located On 806:04 C1 7.329								Assistant Name						
Water Body Cl.	/Year								Assistant Class					
Navigabil. CI./Y								Inspection Date		16-Jul-2011				
Legal Land Loc		SW SEC	EC 17 TWP 30 RGE 25 W4					Data Entry By		Marcia Chavez				
									ntry Date	•	21-Aug-2011			
Road Authority	Transport		(AIT)			Reviewer Name		John O'Brien						
Contract Main.			<u> </u>			Review Date		28-Jul-2011						
Clear Roadway		10.2 / -4	40 deg. (L	HF)				Dept. Reviewer Name						
			0 / 2010 (A)					Dept. Review Date			22-Aug-2011			
Road Classifica	ation	RCU-21	. ,					Follow-						
Detour Length	(km)	3						-	1 5					
Bridge Culvert	· · · · · · · · · · · · · · · · · · ·	ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span		Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab	Shape	
												Thickness		
	MAIN		-		3000		MP		43		125X26	2.8	ROUND	
Special Feature														
Special Feature	es Comi	ment												
						Po	stina Ir	nformati	on					
Required Vert.	Clearar	nce Posti	ng (m)											
Posted Vertical				No										
Posted: Lane			, Bridge (m)		In Adv	/ance (Y/N)	La	ane SB	0	n Bridge (m)	In Advar	nce (Y/N)	
Remarks Not required.														
Utilities (Located at)														
Utility Attachme	ents													
Telephone	60m \	Vest.						Gas		50m E	ast.			
Power								Municip	al					
Others								Probler	n (Y/N)	No				
Remarks														
					Α	pproac	h Road	d / Emba	Inkment					
						Last	Now	Explan	ation of	Condit	tion			
Horizontal Aligr	nment					6	6	Horizontal curve to North on grade - uphill to North.						
Vertical Alignm	ent					6	6							
Roadway Width	n (m)		10.200											
							_	-						
Embankment	4					7	7	sealed.	Transverse crack in ACP, width of pavement - photo, previously sealed.					
Sideslope (_ /		3.0					-						
(Height of Co		: 1.6)												
Guardrail (Y/N)			No											
Approach Roa	d / Eml	bankmer	nt Genera	I Rat	ina	6	6							
					3									
								am End						
Culvert Compo	onent					Last	Now	Explan	ation of	Condi	tion			
Direction	(0)					W								
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL											
Headwall						X	X							
Collar					X	X								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77529 - 2 Bridge Culvert

	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Wingwalls		Х	Х								
(Shape :)											
Cutoff Wall		X	X								
Bevel End		9	7	Slightly distorted at SW near roof, minor.							
Heaving (mm)	0										
Invert Above/Below Stream Bed	ABOVE			Buried in fill.							
Above/Below (mm)	2000										
Scour Protection		4	Х								
(Type : NATURAL)											
(Avg. Rock Size(mm) :)											
Scour/Erosion		4	X								
Beavers (Y/N)	No										
Upstream End General Rating		4	7								
		Brid	d <u>ge Cu</u>	Ivert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 3000, Type: MP)							
Barrel Last Accessible Date	16-Jul-2011										
Special Features											
Special Feature											
(Type :)											
Special Feature											
(Туре :)											
Roof		9	9								
Measured Rise (mm)											
Measured At Ring No.	Measured At Ring No.			Est.							
Sag (mm) 30											
Percent Sag	0										
Sidewall		9	9	2970 span measured near c/l.							
Measured Span (mm)	2970										
Measured At Ring No.				_							
Deflection (mm)	30										
Percent Deflection	0										
Floor	1	N	9	Compacted gravel on floor.							
Bulge (mm)				Rated under grade separation. Steel portion of floor is good.							
Measured At Ring No.											
Abrasion (Y/N)											
Circumferential Seams	1	9	9								
Separation (mm)	20										
Longitudinal Seams			Х								
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)											
Coating		9	9	Lots of grafitti on sidewalls - photo.							
Corrosion By Soil (Y/N)											
Corrosion By Water (Y/N)											

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77529 - 2 Bridge Culvert

		Bri	dae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa			, Rise (mm): 3000, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		X	X	
Baffle		X	X	
(Type :)				
Waterway Adequacy		X	X	
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		9	9	
_				
Culvert Component		Last	Now	ream End Explanation of Condition
Direction		E	110 W	
End Treatment (Concrete, Steel, Others, None)	STEEL	_		
Headwall		X	X	
Collar			Х	
Wingwalls			Х	
(Shape :)				
Cutoff Wall			X	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			Buried in fill.
Above/Below (mm)	2000			
Scour Protection		9	Х	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		9	X	
Beavers (Y/N)	No			
Downstream End General Ratir	ng	9	9	
				re Usage
Crede Sensetier		Last	Now	Explanation of Condition
Grade Separation		7	7	Old CPR line and ditch.
Road Alignment			7	
Roadway Surface (Type : GRAVEL)		7	1	
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Туре	None			1
Lighting		Х	X	
Barrel Leakage (Y/N)	No			

Structure Usage										
		Last	Now	Explanation of Condition						
Drainage			8							
Structure In Use (Y/N) No										
Grade Separation General Rati	ng	7	7							

Maintenance Recommendations												
Inspector Recommendations			Year	Year Inspector Comments			Department Com	iments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT	ACCUMULATION											
INSTALL CONCR	ETE/STEEL LINING											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTOFF												
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			100.0/100.0		Sufficiency Rating (Last/Now) (%)		92.9/96.3	Est. Repl. Yr	2051	Maint. Re	Maint. Reqd. (Y/N)	
Special Comments for Next Inspection Monitor embankment erosi 2003.08.14 Trailnet Canada as any future extensions. AT will assume responsibil			a is respo	onsible fro		costs as wel	Department Comments					
Maintenance Reviewed By							Date		E	Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Dave		Dave Lam			Previous	Previous Assistant's Name						
		16-Oct-2014			Previous	evious Inspection Date 17-Mar-2005						
· · · · · · · · · · · · · · · · · · ·		39						4				
Comment												