Bridge Culvert Inspection															
Bridge File Number 71091 -1 Bridge Culvert										CUL1					
Year Built										2					
Bridge or Town Name LINCOLN										Eric Carcoux					
Located Over							Inspector Class Assistant Name			BR CLS A					
Located On 812:02 C1 6.100							Assistant Class								
Water Body Cl./Year										20 Mar 2010					
Navigabil. Cl./Ye	ar						· · ·			29-Mar-2010 Theresa Lacusta					
Legal Land Loca	tion	NW SEC	24 TWP 65 R	GE 24 W4M					19-Apr-2010						
Longitude, Latitu	de	36 54-38-31					er Name		Arnold Assenheimer						
Road Authority		Transportation (AIT)							15-Apr-2010						
Contract Main. Area CMA10															
Clear Roadway/Skew 9.5 / 5 deg			g. (RHF)												
AADT/Year		240 / 200	9 (A)		Follow-Up By			27-Apr-2010							
Road Classificati	ion	RCU-209					гоном-ор ву								
Detour Length (k	(m)	3													
Bridge Culvert Information															
Number of Culverts 1															
Pipe # E	Barrel	S	pan	Rise (or Dia	ı.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1 N	ΛΑΙΝ	-		1810		SP		52.2		152X51	3.0	ROUND			
Special Features CONC FLOOR Special Features Comment															
					Util	lities (L	ocated	at)							
Utility Attachmen															
•	Telephone West r/w.							Gas							
	2 OH lines East side @ 25 m.						Municip	al							
Others	ers						Probler	n (Y/N)	No						
Remarks				_											
								inkment	0						
					1 st 7	Now	Explanation of Condition Residential to North.								
Horizontal Alignm								Field accesses N & S.							
Vertical Alignment Roadway Width (m)			9.500		/	/									
Embankment	Embankment				N 4			(Erosion gully NW side of pipe, 1.5m deep, 2m wide & 25m long.)- photo							
Sideslope (:			3.0		-										
(Height of Cove	er(m) :	4)					Erosion gully @ SW 10m long, 1m deep. 2m widephoto								
	Guardrail (Y/N)		No			1									
Approach Road	I / Emb	ankment	General Rat	ing	7	7 Unstre	am End								
Culvert Compor	nent			La	st	Now	1	ation of	Condi	tion					
Direction				W											
End Treatment (Concrete, Steel Others, None)		ete, Steel,	STEEL												
Headwall				-	Х	X									
Collar					Х	Х									
Wingwalls					Х	Х									
(Shape :)															
Cutoff Wall					Х	X									

Alberta Transportation

			Upstre	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		N	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			_						
Above/Below (mm)	100									
Scour Protection		N	7	Concrete apron @ inlet.						
(Type : RIP RAP)				_						
(Avg. Rock Size(mm) : 200)										
Scour/Erosion		N	7							
Beavers (Y/N)	No									
Upstream End General Rating		N	7							
		Brid	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):	, Rise (mm): 1810, Type: SP)						
Barrel Last Accessible Date	20-Mar-2010									
Special Features		1	1							
Special Feature		N	5	Transverse wide cracking @ 600mm spacing.						
(Type : CONC FLOOR)			1	_						
Special Feature				_						
(Туре:)			_							
Roof		7	7							
Measured Rise (mm)				Floor to roof 1.68m, sag est.						
Measured At Ring No.										
Sag (mm)	20									
Percent Sag										
Sidewall		7	7	_						
Measured Span (mm)	1832									
Measured At Ring No.	6									
Deflection (mm)	32			_						
Percent Deflection	2									
Floor		N	N							
Bulge (mm)	0									
Measured At Ring No.				_						
Abrasion (Y/N)	No									
Circumferential Seams		8	8							
Separation (mm)	0									
Longitudinal Seams		8	8							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (Y/N)	Yes									
Coating		7	7	1N stagger.						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	No									
Camber POS/ZERO/NEG	POS									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

71091 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1810, Type: SP)						
Fish Passage Adequacy		7	4	Shallow water weith high velocity due to concrete floor.						
Baffle		X	Х							
(Type :)										
Waterway Adequacy		8	7							
Icing (Y/N) No										
Silting (Y/N)	No									
Drift (Y/N)										
Barrel General Rating		7	7							
		D	ownst	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		E								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		X	5	Concrete slab on S. side only.						
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		N	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed										
Above/Below (mm)	Above/Below (mm) 0									
Scour Protection		N	5							
(Type : RIP RAP)				D/S apron has cracked up, 3.5m away from bevel end.						
(Avg. Rock Size(mm) : 200)										
Scour/Erosion		N	5							
Beavers (Y/N)	eavers (Y/N) No									
Downstream End General Ration	ng	N	5							
		s	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)			_							
Alignment		8	7							
Bank Stability		N	5	Trees falling in 20m d/s.						
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		7	5							

Maintenance Recommendations												
Inspector Recommendations		Year Inspector Comments				Department Cor	nmen	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC)FF											
REPAIR SEAMS												
OTHER ACTION		2010	Repair g	ullies along W. ditch.								
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	77.8/77.8		Sufficiency Rating (Last/Now) (%)		76.9/68.1 E		st. Repl. Yr 2040		Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection						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 Jas		Jason Saly				us Assistant's Name						
Next Inspection Date 29		2013		Previous	s Inspection Date 27-Nov-2006							
Inspection Cycle (Default) (months) 39												
Comment												