Bridge Culvert Inspection														
Bridge File Number 70056 -2 Bridge Culvert									CUL1					
Year Built							Lot No.		4					
Bridge or Town I	Name	LANGDO	ON				Inspect	or Name	;	Jon Davies				
Located Over			RIGATION C,	WATER	CRS-IC	2	Inspector Class		BR CLS B					
Located On		1:12 L1 ().531;1:12 R1	0.533;RA	AMP 1	59-2	Assistant Name							
		C;RAMP	159-2 F				Assista	int Class						
Water Body Cl./							Inspect	tion Date		27-Feb-2012				
Navigabil. Cl./Year						Data Entry By		Anne Roberts						
Legal Land Location NW SEC 11 TWP 24 RGE 27 W4I				/4M		Data Entry Date		20-Mar-2012						
Longitude, Latitude -113:40:19, 51:02:16							Review	er Name	•	Garry Roberts				
Road Authority Alberta Transportation (AIT)					Review [/ Date		01-Mar-2012				
Contract Main. Area CMA30					Dept. Reviewer Nam			Name	Tim Davies					
	Clear Roadway/Skew 49 / 5 deg. (RHF)					Dept. Review Date			22-Mar-2012					
AADT/Year	• • • •	14,270 /	. , ,				Follow-	Follow-Up By						
Road Classificat		RAD-412	2.4-120											
Detour Length (k		1												
Bridge Culvert														
	arrel		Span Rise (or					Length		Corr. Profile	PI./Slab	Shape		
	Sanei		ppan	KISE (UI	Dia.)	Туре	Length			Con. Fiolile	Thickness	Shape		
1 N	MAIN	-		1500		SSP		95			12.0	ROUND		
Special Features	5													
Special Features	s Comr	ment												
					Ut	ilities (l	_ocated	at)						
Utility Attachmer		DOW					0		000	<u></u>				
Telephone		ROW				Gas			200m	00m West and at East				
Power		and Nort		2014		Municipal								
Others	Fibre	Optics So	outh and North	ROW			Problem (Y/N) No							
Remarks				Δ.		ah Daa	d / Emale							
				A				ankment		tion				
Horizontal Alignment					7	7	Explanation of Condition Int. 300m W (Hwy 9)							
Vertical Alignment				7	7	Hill to E & W								
	•		40.000				Located at Ramplanes for interchange							
Roadway Width	Roadway Width (m)		49.000											
Embankment	Embankment						2.1 at pipes							
Sideslope (:	Sideslope (:1) 5.0					7	- · · ·							
(Height of Cov	,	: 3)			1									
Guardrail (Y/N)			No				thriebe	am quarc	drails fo	r canal service	access			
Approach Road	l / Emb	bankmen	t General Rat	ing	7	7								
						Unstre	am End							
Culvert Compo	nent				Last			ation of	Condi	tion				
Direction					N									
End Treatment (Others, None)	Concre	ete, Steel,	STEEL											
Headwall					X	X								
Collar			X	X										
Wingwalls					X	Х								
(Shape :)														
Cutoff Wall				X	X									

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	8	3m long 1600 CSP bevel						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	400									
Scour Protection			8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		8	8							
Beavers (Y/N)	No		<u> </u>							
Upstream End General Rating		8	8							
				Ivert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca		in (mm):	, Rise (mm): 1500, Type: SSP)						
Barrel Last Accessible Date	23-Feb-2012									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type :)										
Roof		N	8	(C.L.) 26- April- 2007						
Measured Rise (mm)	1524			- Estimate						
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall		N	8	C.L.						
Measured Span (mm)	1524									
Measured At Ring No.	1									
Deflection (mm)	0									
Percent Deflection	0									
Floor		N	N	Ice covered						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		N	5	Welded Seams U/S						
Separation (mm)	150									
Longitudinal Seams		Х	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)			1							
Coating		7	7	Coating rating applicable to CSP bevel extensions						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	No									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

70056 -2 Bridge Culvert

		Brid	lae Cu	Ivert Barrel							
Culvert Component		1		Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa			, Rise (mm): 1500, Type: SSP)							
Fish Passage Adequacy		8	8								
Baffle		Х	Х								
(Туре :)											
Waterway Adequacy		8	8								
Icing (Y/N)											
Silting (Y/N)											
Drift (Y/N)	No										
Barrel General Rating		N	8								
	Downstream End										
Culvert Component		1	Now	Explanation of Condition							
Direction End Treatment (Concrete, Steel,	STEEL	S		-							
Others, None)	SIEEL										
Headwall		Х	X								
Collar			Х								
Wingwalls			Х								
(Shape :)											
Cutoff Wall			Х								
Bevel End		8	8	1600 Bevel extension CSP 3m sleeved over SSP end							
Heaving (mm)	0										
Invert Above/Below Stream Bed											
Above/Below (mm)	400										
Scour Protection		8	8								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion	Scour/Erosion										
Beavers (Y/N)	vers (Y/N) No										
Downstream End General Ratin	ng	8	8								
		S	tructu	re Usage							
		1		Explanation of Condition							
Channel (U/S and D/S)											
Alignment			7	Service road 1500 CSP culvert 12m South and North							
Bank Stability			5	Scour 6 m U/S at West bank from 600 mm CSP Hwy drainage pipe.							
HWM (m below Top of Culvert)				Not visible							
Drift (Y/N) No											
Channel Bottom AGGRADING Degrading/Aggrading				U/S silting 3 m							
Beavers (Y/N) No											
(Fish Compensation Measure 1 : NONE)											
(Fish Compensation Measure 2 : NONE)											
Channel General Rating			7								

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Com	ments	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	55.6/88.	9 Sufficiency Rating (Last/N (%)	low) 7	70.4/86.8 Est. Repl. Yr 2057		2057	Maint. Reqd. (Y/N)		No		
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 Garry		Roberts		Previous /	us Assistant's Name							
Next Inspection Date 27-N		27-Nov-2013			Previous Inspection Date 24-Aug-2010							
Inspection Cycle (Default) (months) 21												
Comment												