83086 -1 Bridge Culvert

						Bridg	e Culve	ert Insp	ection						
Bridge File Number 83086 -1 Bridge Culvert						Form Type			CUL1						
Year Built 1970						Lot No.			4						
Bridge or Town Name LOUGHEED						Inspector Name			Jason Saly						
Located Over TRAIL-ANIMAL, OVER SP						Inspector Class			BR CLS A						
Located On 870:02 C1 19.177						Assistant Name									
Water Body CI./Year						Assistant Class									
Navigabil. Cl./Y	'ear							Inspection Date		13-Dec-2012					
Legal Land Loc	ation	NW SE	C 27 TWP	45 R	GE 11 W	/4M		Data Entry By			Marcia Chavez				
Longitude, Lati	tude	-111:31	1:40, 52:54	:46				Data Entry Date			14-Jan-2013				
Road Authority		Alberta	Transporta	ation	(AIT)			Reviewer Name		John O'Brien					
Contract Main. Area CMA16							Review Date			20-Dec-2012					
Clear Roadway/Skew 8.2 /						Dept. Reviewer Name			Andrew Smikle	s					
AADT/Year		570 / 20	011 (A)					Dept. Review Date		17-Jan-2013					
Road Classifica	ation	RCU-20	08-110					Follow	Up By						
Detour Length	(km)	3													
Bridge Culvert	Inform	ation													
Number of Culv	/erts		1						1		I	I	1		
Pipe #	Barrel		Span Rise (or I		Dia.)	Dia.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		-		1800		MP		25		68X13	3.5	ROUND		
Special Feature	es														
Special Feature	es Comr	ment													
						Po	etina Ir	nformat	ion						
Required Vert.	Clearan	ce Post	ina (m)				Stilly II	Hormat	IOII						
Posted Vertical				No											
Posted: Lane			Bridge (m)		In Adv	/ance (	Y/N)	L	ane SB	0	n Bridge (m)	In Advan	ce (Y/N)		
Remarks			cattlepass.		_	,					3 ( )				
		<u> </u>	'			Uti	lities (L	ocated	at)						
Utility Attachme	ents						`								
Telephone	West	r/w.						Gas							
Power	East r/	/w, 2 wii	re.					Municipal							
Others					Proble	m (Y/N)	No								
Remarks									,						
					Α	pproac	h Road	l / Emb	ankment						
						Last	Now	Explar	ation of	Condi	tion				
Horizontal Align	nment					8	8		m N of TWP Rd 44-4. t curve to the N with limited						
Vertical Alignment					6	5	sight distance; no pass								
Roadway Width	n (m)		8.200						,						
Embankment						8	8								
Sideslope (:1)		4.0					Est. due to snow cover.								
(Height of Co		2)				1									
Guardrail (Y/N)		,	Yes												
Approach Roa	d / Emb	oankme	nt Genera	l Rati	ing	6	5								
							Upstr <u>e</u>	am End							
Culvert Compe	onent					Last	Now	1	ation of	Condi	tion				
Direction						W									
End Treatment (Concrete, Steel, NONE Others, None)															
Othors, Hone)							_								

83086 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	X	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		Х	N	Snow covered.
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		Х	X	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		Brio	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1800, Type: MP)
Barrel Last Accessible Date 13-Dec-2012				(Measured 1690 x 1890 near centerline. 06May2003). Pipe squeezed; 100mm mower dent at West end.
Special Features				Tipo oquoezoa, roomin mowor done de vroot ond.
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	5	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				Estimated
Percent Sag	5			Listinated
Sidewall		5	5	Span at W end=1684=116mm=6.4%
Measured Span (mm)	1684			Span at mid=1719=81mm
Measured At Ring No.				Span at E end=1695=105mm
Deflection (mm)	116			6.4%
Percent Deflection	6			0.470
Floor		N	N	Dirt/gravel covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	50			
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			A contract of the contract of

		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1800, Type: MP)
Coating		7	7	
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	Could carry drainage/run-off.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		E	111011	
End Treatment (Concrete, Steel, Others, None)	NONE	_		
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		X	X	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		Х	X	Squared end.
Heaving (mm)				Joquanou onu.
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection	1.00	Х	N	Snow covered.
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		Х	Х	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		9	Structu	re Usage
		1	Now	Explanation of Condition
Grade Separation	1		111011	
Road Alignment		7	7	
Roadway Surface		7	7	1
(Type:)				
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре				

Structure Usage								
		Last	Now	Explanation of Condition				
Lighting		X	X					
Barrel Leakage (Y/N) No								
Drainage		6	6					
Structure In Use (Y/N) No				W fences in disrepair; E fence removed.				
Grade Separation General Rating			6					

		Maintenance	Recommendations						
Inspector Recommendations	Year	Inspector Comments	Departn	nent Comme	nts	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS		•							
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 55.6/55	.6 Sufficiency Rating (La	ast/Now) 72.5/71.5	<b>72.5/71.5</b> Est. Rep		2030	2030 Maint. Re		No
Special Comments for Next Inspection			Departn Comme						
Maintenance Reviewed By			Date			E	stimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)	N								
Proposed Action	2007.06.11 rev	iew in two years to determine cont	inued usage.						
Previous Inspector's Name	Dave Lam		Previous Assistant	Assistant's Name					
Next Inspection Date	13-Mar-2016		Previous Inspection	n Date	10-Dec-2010				
Inspection Cycle (Default) (months)	39								
Comment									