					.										
5 · 1 · E' 1 · N		=00=0	4.5.1		Bridg	e Culve	ert Insp		0.11.4						
Bridge File Nu	mber	78953 -1 Bridge Culvert					Form 1	• •	CUL1						
Year Built		1978					Lot No		4						
Bridge or Towr	n Name						 	tor Name	Jon Davies						
Located Over			,				· ·	tor Class	BR CLS B	BR CLS B					
Located On		2:02 C1	1 13.937				Assistant Name								
Water Body CI								int Class							
Navigabil. Cl./Year							· ·	tion Date	12-Oct-2011	12-Oct-2011					
Legal Land Lo	cation	SE SE						ntry By	Anne Roberts						
Longitude, Lati	tude	18:13, 49:06:30					ntry Date	24-Nov-2011							
			Alberta Transportation (AIT)					er Name	Jason Rusu						
Contract Main. Area CMA25			MA25 F					/ Date	10-Nov-2011						
Clear Roadway/Skew 16.8 /			\ 8.6					Reviewer Nam	Tim Davies						
AADT/Year		660 / 20	010 (A)				Dept. F	Review Date	25-Nov-2011	25-Nov-2011					
Road Classific	ation	RAU-2	13-120				Follow	-Uр Ву							
Detour Length	(km)	6													
Bridge Culver	t Inform	ation													
Number of Cul	verts		1												
Pipe #	Barrel		Span	Rise (or [Dia.) Type			Length	Corr. Profile	PI./Slab Thickness	Shape				
1	MAIN		-	2130		MP		31.7	75X25	2.8	ROUND				
Special Featur	es		CONC FLOOP	?											
Special Featur	es Comi	ment													
D 11/1/1					Ро	sting Ir	nformat	ion							
Required Vert.															
Posted Vertica				1							0.40.0				
Posted: Lane			Bridge (m)	In Adva	ance ((Y/N)	L	ane SB	On Bridge (m)	In Advan	ce (Y/N)				
Remarks	Not R	equired													
Living Asset					Uti	lities (L	ocated.	at)							
Utility Attachm							_	00	MEGE						
Telephone	W. dit		150 11				Gas		n WEST						
Power			s road 50 m N.				Municipal Problem (Y/N) No								
Others	Fibre	optics @	₽ E r/w				Proble	m (Y/N) No							
Remarks															
				The state of the s				ankment							
					Last	Now	Explanation of Condition								
Horizontal Alig					6	6	Intersection 50 m south. Hill to north. Limited sight distance.								
Vertical Alignm	ent				6	6		•							
							No pas	sing. NG LANFS ∩	VER CULVERT	R CUI VERT					
Roadway Widt	h (m)		16.800				. 513141								
	(!!!)		10.000												
Embankment					7	7									
Sideslope (_	_:1)		3.5												
(Height of Co		1.7)													
Guardrail (Y/N) Yes			Yes												
Approach Roa	Approach Road / Embankment General Rating		ting	6	6	2:1 ove	er pipe East er	nd.							
						Unstre	am End								
Culvert Comp	onent				Last	Now	1	ation of Con	dition						
Direction	J				W		WEST								
End Treatment Others, None)	(Concre	ete, Stee	el, NONE												
Headwall					X	X									
i i c auwaii					^	_ ^									

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Collar			X							
Wingwalls		Х	Х							
(Shape:)										
Cutoff Wall		X	X							
Bevel End			Х							
Heaving (mm)										
Invert Above/Below Stream Bed BELOW										
Above/Below (mm)	150									
Scour Protection		7	7	Rock over roof and along sides.						
(Type : RIP RAP)				_						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	7							
	I									
Beavers (Y/N)	No									
Upstream End General Rating		7	7							
		Brio	dae Cu	Ivert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 2130, Type: MP)						
Barrel Last Accessible Date 20-Feb-2010										
Special Features										
Special Feature			7	Concrete floors						
(Type : CONC FLOOR)										
Special Feature										
(Type:)										
Roof		7	7	Estimate.						
Measured Rise (mm)	2182									
Measured At Ring No.	2									
Sag (mm)	52									
Percent Sag	2									
Sidewall		7	7							
Measured Span (mm)	2182									
Measured At Ring No.	2									
Deflection (mm)	52									
Percent Deflection	2									
Floor		N	N	Concrete covered-150mm.						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		6	6	50 mm H gap @ u/s seam. 50 mm V &						
Separation (mm) 60				60 mm H gap @ 2nd seam u/s. No dirt						
Longitudinal Seams		Х	Х	infiltration.						
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)										

	Bridge Culvert Barrel										
Culvert Component		Last Now		Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2130, Type: MP)							
Coating		6	6								
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	No										
Camber POS/ZERO/NEG ZERO											
Ponding (Y/N) No											
Fish Passage Adequacy			Х								
Baffle			X								
(Type:)											
Waterway Adequacy		X	7	Handles drainage							
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating		7	7								
		D	ownstr	eam End							
Culvert Component		Last	Now	Explanation of Condition							
Direction		E		EAST							
End Treatment (Concrete, Steel, Others, None)	NONE										
Headwall			Х								
Collar		Х	Х								
Wingwalls		Х	X								
(Shape:)		1									
Cutoff Wall		Х	Х								
Bevel End		Х	Х								
Heaving (mm)											
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	150										
Scour Protection		7	7								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 200)											
Scour/Erosion		7	7								
Beavers (Y/N)	No										
Downstream End General Ratin	ng	7	7								
		5	Structur	re Usage							
			Now	Explanation of Condition							
Grade Separation											
Road Alignment			X								
Roadway Surface			6								
(Type:)											
Icing (Y/N) No											
Traffic Safety Features		Х	X								
Type											
• 1				2							

Structure Usage									
		Last	Now	Explanation of Condition					
Lighting			X						
Barrel Leakage (Y/N) No									
Drainage			7						
Structure In Use (Y/N) No									
Grade Separation General Rating			6	No guide fencing					

Maintenance Recommendations													
Inspector Recommendations		Year Inspector Comments				Department Cor	Targe	et 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													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No (%)	ow)	77.8/77.8		Sufficiency Rating (Last/Now) (%)		81.4/76.5		t. Repl. Yr	2030		Maint. Reqd. (Y/N)		No
Special Comments for Next Inspection						Department Comments							
Maintenance Reviewed By						Date			i	Estima	ted Total	0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name G		oberts			Previou	ıs Assistant's Name	!						
Next Inspection Date	12-Jul-2013 F			Previou	evious Inspection Date 20-Jan-2010								
Inspection Cycle (Default) (months) 2					· -								
Comment													