					Brido	e Culve	ert Inspect	tion						
Bridge File Nu	ımber	76899 -1 Bridge Culvert					Form Typ		CUL1					
Year Built		1968	. Dilago o	J. 1 0 1 1			Lot No.		4					
Bridge or Tow			BICHE				Inspector	Name	<u>·</u>					
Located Over			ANIMAL. O	VER SP			Inspector		Eric Carcoux					
Located Over			1 32.638	VER SF					BR CLS A					
		55.12 C	1 32.030		Assistant Name									
Water Body C						Assistant Class			10.1.0010					
Navigabil. Cl./						Inspection Date			12-Apr-2012					
Legal Land Lo				7 RGE 14 W	/4M		Data Entr	•	Lisa Fairhurst					
Longitude, Lat			:03, 54:47:				Data Entr	-	24-Apr-2012					
Road Authority Alberta Tr				tion (AIT)			Reviewer		Arnold Assenheimer					
Contract Main		CMA08					Review D		16-Apr-2012					
Clear Roadwa	ay/Skew	11.4 /					Dept. Rev	viewer Name	Brent Herrick					
AADT/Year		2,050 / 2	2011 (A)				Dept. Rev	view Date	04-May-2012					
Road Classific	cation	RAU-21	1.8-110				Follow-U	о Ву						
Detour Length	n (km)	5												
Bridge Culve	rt Inform	ation												
Number of Cu	lverts		1											
Pipe #	Barrel		Span	Rise (o	r Dia.)	Туре	L	ength	Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		1724	1901		MPE	2	1.9	68X13	3.5	ELLIPSE			
Special Featur	res													
Special Featu					Po	stina Ir	nformation	1						
Required Vert	. Clearan	ce Posti	na (m)					<u> </u>						
•				No										
				tvanca /	(V/NI)	No Lan	e SB (On Bridge (m)	In Advar	nce (Y/N) No				
Posted: Lane NB On Bridge (m) In Adva					avance ((1/14)	INO Lan	6 20 (on Bridge (III)	III Auvai	ice (1/14) 14			
Remarks	Not le	quireu.			1.16	::::: /!	anatad at	۸						
Litility Attachm	nonto				Οti	ilities (L	ocated at)						
Utility Attachm		-/					0							
Telephone	South		NI				Gas							
Power	3 wires	S OH 30	m North.				Municipa							
Others							Problem	(Y/N) No						
Remarks	No BF	tag.						-						
							d / Emban							
					Last	Now	T	ion of Cond	ition					
Horizontal Alignment				7	7	Curve to west. Crest curve to east, no passing EB.								
Vertical Alignn	ment				5	5	Olest cal	ve to east, in	passing Lb.					
Poodway Wid	lth (m)		11.400											
Roadway Width (m)		11.400												
Embankment					7	7								
Sideslope (:1)		3.0				1								
Sideslope (1							
· ·		1)												
(Height of C	over(m):	1)	Yes				46.0 m of	nuardrail ald	ng each side					
(Height of C	over(m):	1)	Yes				46.0 m of	guardrail ald	ong each side.					
(Height of Congression (Y/N	over(m) :			Rating	5	5	46.0 m of	guardrail ald	ong each side.					
(Height of Congression (Y/N	over(m) :			Rating	5		46.0 m of	guardrail ald	ong each side.					
	over(m) : N) pad / Emb			Rating			am End	guardrail ald						
(Height of Control (Height of Co	over(m) : N) pad / Emb			Rating		Upstre	am End							
(Height of Control (Height of Co	pad / Emb	ankmer	nt General	Rating	Last	Upstre	am End							
(Height of Congression Congres	pad / Emb	ankmer	nt General	Rating	Last	Upstre	am End							

76899 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Collar		Х	X	
Wingwalls			Х	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Spa			
Barrel Last Accessible Date	12-Apr-2012		,	
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		4	4	Dent and tea rin roof 1.2 m from south end.
Measured Rise (mm)				1mx0.4m section missing from crown @ N. end. Granular fill and ice on floor.
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		7	7	@ mid span.
Measured Span (mm)	1724			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	Covered wth granular fill to depth of about 100mm.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	30			
Longitudinal Seams		7	7	Riveted seams.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)	Yes			

Culvert Component (Pipe ± :1, Primary Span, Location Code: MAIN, Span (mm): 1724, Rise (mm): 1901, Type: MPE) State (mm): 1901, Type: MPE) Coarison By Soil (NN) Yes State (mm): 1901, Type: MPE) Coarison By Walter (YN) No State (mm): 1901, Type: MPE Ponding (YN) No State (mm): 1901, Type: MPE Ponding (YN) No State (mm): 1901, Type: MPE Ponding (YN) No State (mm): 1901, Type: MPE Baffle X X (Type:) X X Waterway Adequacy X X Loing (YN) No No Silling (YN) No State (mm): 1901, Type: MPE Waterway Adequacy You X Loing (YN) No You X Satiety (YN) No State (mm): 1901, Type: MPE Waterway Adequacy You X X United (Mn) No State (Mn) X X College (mr) No X X X College (mr)			lvert Barrel		
Coding 5 5 5 Superficial rust at random locations at granular fill. Corrosion By Water (Y/N) No	Culvert Component		Last	Now	Explanation of Condition
Corrosion By Soil (YN) Yes	(Pipe #: 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 1724	, Rise (mm): 1901, Type: MPE)
Corrosion By Water (Y/N)	Coating		5	5	Superficial rust at random locations at granular fill.
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) No No Sitting (Y/N) No Image: Now Sitting (Y/N) No Barrel General Rating 4 4 ### Explanation of Condition Barrel General Rating 1 4 ### Explanation of Condition Culvert Component Last Now Explanation of Condition Direction End Treatment (Concrete, Steel, NONE) NONE ### Explanation of Condition Headwall X X X Coller X X X Williams (Shape: Steel Report of Condition (Shape: Steel Report of Condition) X X Culof Wall X X X Bewel End X X X Heaving (mm) 10 10 10 Above/Selow (stream Bed Steel	Corrosion By Soil (Y/N)	Yes			
Ponding (Y/N)	Corrosion By Water (Y/N)	No			
Sith Passage Adequacy	Camber POS/ZERO/NEG	ZERO			
Structure Stru	Ponding (Y/N)	No			
Waterway Adequacy	Fish Passage Adequacy		Х	Х	
Valenway Adequacy	Baffle		Х	Х	
Cling (Y/N)	(Type:)				
Silting (Y/N)	Waterway Adequacy		X	X	
Drift (Y/N)	Icing (Y/N)	No			
Barrel General Rating	Silting (Y/N)	No			
Culvert Component	Drift (Y/N)	No			
Culvert Component Last Now Explanation of Condition Direction S S End Treatment (Concrete, Steel, None) NONE S Headwall X X Collar X X Wingwalls X X (Shape:) Cutoff Wall X Cutoff Wall X X Bevel End X X Heaving (mm) 0 O Invert Above/Below Stream Bed Above/Below (mm) BELOW For a country in the properties of the prope	Barrel General Rating		4	4	
Culvert Component Last Now Explanation of Condition Direction S S End Treatment (Concrete, Steel, None) NONE S Headwall X X Collar X X Wingwalls X X (Shape:) Cutoff Wall X Cutoff Wall X X Bevel End X X Heaving (mm) 0 O Invert Above/Below Stream Bed Above/Below (mm) BELOW For a country in the properties of the prope			D	ownstr	eam End
End Treatment (Concrete, Steel, Others, None) Headwall X	Culvert Component		1		
Others, None) X X Headwall X X Collar X X Wingwalls (Shape:) X X Cutoff Wall X X Bevel End X X Heaving (mm) 0 0 Invert Above/Below Stream Bed Above/Below (mm) BELOW Above/Below (mm) 100 T Scour Protection (Avg. Rock Size(mm):) 7 7 Scour/Erosion 7 7 Beavers (Y/N) No No Structure Usage Last Now Explanation of Condition	Direction		S		
Headwall	End Treatment (Concrete, Steel, Others, None)	NONE			
Wingwalls			Х	Х	
Cutoff Wall	Collar			Х	
Cutoff Wall	Wingwalls		Y	Y	
Cutoff Wall X X Bevel End X X Heaving (mm) 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) 100 Invert Above/Below (mm) Invert Above/Below (mm) Scour Protection 7 7 7 (Avg. Rock Size(mm):) Invert Above/Below (mm) Invert Above/Bel					
Heaving (mm) 0			Х	Х	
Heaving (mm) 0	Payal End			V	
Invert Above/Below Stream Bed		0	^		
Above/Below (mm) 100					
Scour Protection					
(Type: NATURAL) (Avg. Rock Size(mm):) Scour/Erosion 7 7 Beavers (Y/N) No Downstream End General Rating 7 7 Structure Usage Last Now Explanation of Condition		100	7	7	
(Avg. Rock Size(mm) :) Scour/Erosion 7 7 Beavers (Y/N) No			, ,		
Scour/Erosion 7 7 Beavers (Y/N) No					
Downstream End General Rating 7 7 Structure Usage Last Now Explanation of Condition			7	7	
Structure Usage Last Now Explanation of Condition	Beavers (Y/N)	No			
Last Now Explanation of Condition	Downstream End General Ratio	l ng	7	7	
Last Now Explanation of Condition					
Grade Separation	Crade Constrain		Last	Now	Explanation of Condition
Road Alignment 8 8			0	0	
Roadway Surface 7 7			1		
Roadway Surface / / /	Roadway Surface		'	'	
(Type: SOIL)	(Type : SOIL)				

Structure Usage											
		Last	Now	Explanation of Condition							
Icing (Y/N)	No										
Traffic Safety Features	Traffic Safety Features		Х								
Туре											
Lighting			X								
Barrel Leakage (Y/N) No											
Drainage		7	7								
Structure In Use (Y/N) No				Fences between CSP and r/w are in disrepair.							
Grade Separation General Rating			7								

76899 -1 Bridge Culvert

					Mainte	nance Recommen	dations							
Inspector Recommendations		Y	Year Inspector Comments				Department Comments						Est. Cost	Cat #
SHOTCRETE REPAIRS														
PLACE ADDITION	IAL RIP RAP													
REMOVE DRIFT	ACCUMULATION													
INSTALL CONCRI	ETE/STEEL LINING													
INSTALL STRUTS														
INSTALL CONCRI	ETE COLLAR/CUTC)FF												
REPAIR SEAMS														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)			44.4/44.4		Sufficiency Ration (%)	ng (Last/Now)	65.5/65.7		Repl. Yr	2020		Maint. Reqd. (Y/N)		No
Special Comments for Next Inspection Remove structure at end of service life, not in use. Confirm acceptable checking property agreement					eptable after	Department Comments								
Maintenance Reviewed By							Date				Estimate	d Total	0	
Proposed Long-Te	erm Strategy													
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name		Eric Card	Eric Carcoux			Previous	Previous Assistant's Name							
Next Inspection Da			2-Jan-2014			Previous	evious Inspection Date 31-May-2010							
Inspection Cycle (I		21												
Comment														