Bridge Culvert Inspection														
Bridge File Number 77777 -1		7 -1 Bridge Culvert					уре		CUL1					
Year Built 19		1973					Lot No.			4				
Bridge or Town I	Name	JARVIE					Inspector Name		Todd Warshawski					
Located Over		TRIBUTARY TO FRENCH CREEK,					Inspector Class			BR CLS B				
Located On		801.02	C1 28 677				Assistant Name							
Water Body Cl./Year			02 CT 28.077					nt Class						
Navigabil CL/Year							Inspection Date			14-Dec-2010				
Legal Land Location NW SF		NW SE	/ SEC 11 TWP 65 RGE 26 W4M					ntry By		Theresa Lacusta				
Longitude. Latitude -113		113:50:12, 54:36:37					Data Entry Date			05-Jan-2011				
Road Authority A		Alberta Transportation (AIT)								Arnoid Assenheimer				
Contract Main. Area		CMA10							Nomo	15-Dec-2010				
Clear Roadway/Skew 1		10.5 /							name	Brent Herrick				
AADT/Year		170 / 2009 (A)					Dept. Review Date			17-Jan-2011				
Road Classificat	ion	RCU-20)9G-90				гоном-ор ву							
Detour Length (k	(m)	8												
Bridge Culvert Information														
Number of Culve	erts		1							1	1			
Pipe # E	Barrel		Span	Rise (or	se (or Dia.)			Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		2314	2352		SPE		39.6		152X51	2.8	ELLIPSE		
Special Features	5													
Special Features	s Comn	nent												
					1 14	lition /l	opotod	at)						
Litility Attachmer	nts				01	littles (L	ocaleu	atj						
Telephone							Gas							
Power	1 wire	20 m east.					Munici	unicipal						
Others						Problem (Y/N			No					
Remarks	BF tag installed on top of East bevel.													
Approach Road / Embankment														
					Last	Now	Explanation of Condition							
Horizontal Alignment					8	8	Poor sight distance north and south. In bottom of deep sag curve.							
Vertical Alignment				5	5									
Roadway Width (m)		10.100												
Embankment					6	6								
Sideslope (:	1)		3.0											
(Height of Cov	er(m) :	3)			1									
Guardrail (Y/N)			No											
Approach Road	l / Emb	ankmer	nt General Rat	ing	5	5								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion				
Direction		·		E										
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall				X	Х									
Collar				X	Х									
Wingwalls					X	Х								
(Shape :)														
Cutoff Wall					X	Х								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		5	5	Bulging inwards at top of bevel.							
Heaving (mm)	250			No change 12/10							
Invert Above/Below Stream Bed	ABOVE										
Above/Below (mm)	100										
Scour Protection		6	N	UnknownUnder snow							
(Туре :)											
(Avg. Rock Size(mm) :)			-								
Scour/Erosion		6	N	Well vegetated.							
Beavers (Y/N)	Yes										
Upstream End General Rating	1	5	5	GR carried forward.							
		Bric	dge Cu	Ivert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2314	, Rise (mm): 2352, Type: SPE)							
Barrel Last Accessible Date	14-Dec-2010										
Special Features											
Special Feature											
(Type:)											
Special Feature											
(Type:)		1									
Roof		N	7	Roof sag est, at less than 5%.							
Measured Rise (mm)											
Measured At Ring No.											
Sag (mm) 30											
Percent Sag											
Sidewall			7	Minor construction dmage on sidewall of 2nd section from East							
Measured Span (mm)	2325										
Measured At Ring No.	4										
Deflection (mm)	11										
Percent Deflection	1										
Floor		N	N	(Damage to 2nd plate North side of inlet. Could not locate 09/97							
Bulge (mm)	100			01/03/29)							
Measured At Ring No.				Covered with water/ice.							
Abrasion (Y/N)											
			6	Upper 2/3 rated							
Separation (mm) 0											
Longitudinal Seams	-	N	6	(2 seams under ice 600 mm could not inspect properly. Seams							
Total No. of Cracked Rings	0		Ū	visible look good, but North side of barrel showing signs of minor							
Total No. of Rings with Two Cracked Seams				 crimping. 01/03/29) Lower seams under water/ice. Upper 2/3 inspected. 							
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N) No											
Longitudinal Stagger (Y/N) No											
Coating		4	4	Rust pitting on bottom 1/3 of barrel. Corrosion at sidewall seams in							
Corrosion By Soil (Y/N)	Yes			bolt holes from soil and likely water corrosion.							
Corrosion By Water (Y/N)	Yes										
Camber POS/ZERO/NEG	NEG										
Ponding (Y/N)	Yes										

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel											
Culvert Component			Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm): 2314	, Rise (mm): 2352, Type: SPE)							
Fish Passage Adequacy		7	7								
Baffle		N	N								
(Type :)											
Waterway Adequacy			6								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating		N	6								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		W		-							
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		X	X								
Collar		Х	X								
Wingwalls		X	X								
(Shape :)		,									
Cutoff Wall		Х	X								
Bevel End		5	5	Sides pushed in.							
Heaving (mm) 325											
Invert Above/Below Stream Bed	ABOVE										
Above/Below (mm)	300										
Scour Protection			N	Under snow							
(Type:)				-							
(Avg. Rock Size(mm) :)			1								
Scour/Erosion			N	Well vegetatedNov,2010							
Beavers (Y/N)	No										
Downstream End General Ratin	ng	5	5	GR carried fwd.							
		S	tructu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)			-								
Alignment		7	7								
Bank Stability			7								
HWM (m below Top of Culvert)				Not visible							
Drift (Y/N)	Yes										
Channel Bottom Degrading/Aggrading				-							
Beavers (Y/N) Yes											
(Fish Compensation Measure 1 :	NONE)			4							
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		7	7								

77777 -1 Bridge Culvert

Maintenance Recommendations												
Inspector Recommendations	Year	Inspector Comments		Department Com	nments	Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC												
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION											_	
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		55.6/66.	7 Sufficiency Rating (Last/N (%)	low)	60.7/65.7 E		t. Repl. Yr 2024		Maint. Red	qd. (Y/N)	No	
Special Comments for Next Inspection					Department Comments							
Maintenance Reviewed By				Date				Estimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	.am		Previous	Assistant's Name								
Next Inspection Date 14-M		-2014		Previous	Inspection Date							
Inspection Cycle (Default) (months) 39												
Comment												