					Srida	e Culve	ert Inspe	ction				
Bridge File Nur	nher	76455 -1 Bridge Culvert				e Cuive	i i		CULM			
	iibci						Lot No.		2			
	Nama		 I					or Name		Todd Warshawski		
	INAITIC		ARY TO MCLE					or Class		BR CLS B		
Year Built 1966 Bridge or Town Name EDSON Located Over 7RIBUT 8.11.10 Located On 47:06 C Water Body Cl./Year Navigabil. Cl./Year Legal Land Location NW SE Longitude, Latitude -116:36 Road Authority Alberta Contract Main. Area CMA13 Clear Roadway/Skew 9.2 / AADT/Year 1,020 / Road Classification RAU-20 Detour Length (km) 85 Bridge Culvert Information Number of Culverts Pipe # Barrel 1 MAIN 2 MAIN Special Features Special Features Comment Utility Attachments Telephone West r/w.		7.32, WATERC	RS-ST	·,			Assistant Name					
Located On		47:06 C	1 51.209					nt Class				
Water Body Cl.	/Year									31-Oct-2012		
Navigabil. Cl./Y	'ear						Data Er			Theresa Lacusta		
Legal Land Loc	ation	NW SE	C 21 TWP 52 R	GE 18 W5	М			ntry Date		14-Nov-2012		
Longitude, Lati	tude	-116:36	:11, 53:30:27		er Name		Eric Carcoux					
Road Authority Alberta Tr			Transportation		Review Date		13-Nov-2012					
Contract Main.	Area	CMA13		-					Name	Brent Herrick		
Clear Roadway	/Skew	9.2 /						Dept. Review Date		20-Nov-2012		
AADT/Year		1,020 /	2011 (A)				Follow-l			201101 2012		
Road Classifica	ation	RAU-20	9-110				lonow	ор Бу				
Detour Length	(km)	85										
Bridge Culvert	Inform	ation										
Number of Culv	/erts		2							1		
Pipe #	Barrel		Span	Rise (or D	ia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape
1	MAIN		1724	1901		SPE		56.7		152X51	2.8	ELLIPSE
2	MAIN		-	915		MP		56.7			2.8	ROUND
Special Feature	es											
Special Feature	es Comr	ment										
					Uti	ilities (L	ocated :	at)				
		,								,		
								Gas West r/w, scour gas valves @ NW.				
	, and the second				st r/w.	•	Municip					
	- ,						Problem	1 (Y/N)	No			
Remarks	File ta	ig in plac	e.	Δ		h Daa	d / Embo	un leuro o un f				
					<u>oroec</u> ₋ast	Now	Explan			tion		
Horizontal Align	nment				-ası 7	7	Explanation of Condition Access 100m NW.					
					7	6	Sag curve with limited sight distance. No passing.					
			9.000									
Ttoadway Widti	1 (111)		9.000									
Embankment					7	7						
Sideslope (_:1)		3.0									
(Height of Co	ver(m) :	8)										
Guardrail (Y/N)			Yes				Minor strile damage			o both rials, still functional.		
Approach Roa	d / Emb	oankme	nt General Rat	ing	7	6						
						Upstre	am End					
Culvert Comp	onent			L			Explana	ation of	Condi	tion		
(Pipe # : 1, Sp		e: Prima	ry Span)									
Direction				1	Ν		South p	ipe.				
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL									
Headwall					X	Х						
Collar					X	X						
Wingwalls	Wingwalls				X	X						
(Shape:)							I					

76455 -1 Bridge Culvert

			Unetro	am End
Culvert Component				Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)	Lust	11011	Explanation of Condition
Cutoff Wall	,	Х	Х	
Bevel End	1	5	5	Sides bent outward approx 100mm.
Heaving (mm)	100			
Invert Above/Below Stream Bed				(16/Apr/2007)
Above/Below (mm)	600			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)			1	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
		_ Bri	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp			
Barrel Last Accessible Date	31-Oct-2012			Only accessible to R11, water/ice 1.1m deep at d/s sections. Shape and condition appear ok.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type :)				
Roof		N	N	
Measured Rise (mm)	1810			
Measured At Ring No.	17			
Sag (mm)	91			
Percent Sag	4			
Sidewall		N	N	
Measured Span (mm)	1800			
Measured At Ring No.	17			
Deflection (mm)	76			
Percent Deflection	4			
Floor	ı	N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	I	N	7	
Separation (mm)	0			
Longitudinal Seams	I	N	7	
Total No. of Cracked Rings	0			1N stagger
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		N	6	Superficial rust lower 1/202-Feb-2009
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

		Bri	dge Cu	Ivert Barrel	
Culvert Component				Explanation of Condition	
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	n): 1724	, Rise (mm): 1901, Type: SPE)	
Camber POS/ZERO/NEG	NEG				
Ponding (Y/N) Yes				800mm deep water @ D/S section.	
Fish Passage Adequacy		5	X	Inlet is 600mm above streambed.	
Baffle		Х	Х		
(Type:)					
Waterway Adequacy		7	7		
Icing (Y/N)	No				
Silting (Y/N)	No				
Drift (Y/N)	No				
Barrel General Rating		N	N	Gr was "7" @ 02-Feb-2009	
				ream End	
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Span Type: Primary	/ Span)				
Direction	1	E		South pipe.	
End Treatment (Concrete, Steel, Others, None)	STEEL				
Headwall		X	X		
Collar		X	X		
Wingwalls		X	X		
(Shape:)		1	1		
Cutoff Wall		X	X		
Bevel End		N	N	Under water/ice.	
Heaving (mm)	0				
Invert Above/Below Stream Bed				(16/Apr/2007)	
Above/Below (mm)	100		1		
Scour Protection		N	N	Snow covered.	
(Type: NATURAL)					
(Avg. Rock Size(mm) :) Scour/Erosion		N	N		
Beavers (Y/N)	No				
Downstream End General Ratio	ng	N	7	G.R. carried fwd from 16/Apr/2007.	
				am End	
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 2, Span Type: Second	lary Span)				
Direction		W		North pipe. Covered in snow/drift.	
End Treatment (Concrete, Steel, Others, None)	NONE			Covered in Snow/driit.	
Headwall		X	X		
Collar		X	X		
Wingwalls		X	X		
(Shape:)					
Cutoff Wall		X	X		

76455 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		N	N	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	7	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	Yes			
Upstream End General Rating		N	7	
		Brio	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 915, Type: MP)
Barrel Last Accessible Date	28-Sep-2005			Not possible to access 914 pipe. Both ends buried under ice/debris.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
Longitudinal Seams		N	N	
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)				
Coating		N	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				

76455 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 915, Type: MP)
Ponding (Y/N)				
Fish Passage Adequacy		N	N	(Fast flow, obstructed opening by debris. 28/Sept/2005)
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		N	N	(28/Sept/2005)
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	N	
		D	ownstr	ream End
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	Jary Span)			
Direction		Е		North pipecovered in ice.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)			_	
Cutoff Wall		Х	X	
Bevel End		N	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	N	(28/Sept/2005)
(Type : NATURAL)				
(Avg. Rock Size(mm):)		1		
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	N	7	G.R. carried fwd from 16/Apr/2007.
		S	Structu	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	DEGRADING			Deg d/s. Dam 30m d/s.
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

		Maintenanc	e Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS			- эрын э				
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Remove drift from inlet of 900 p	ipe.				
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	Sufficiency Rating (L	ast/Now) 59.6/61.5	Est. Repl. Yr 20	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	1 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	31-Jul-2014		Previous Inspection Date	09-Nov-2010			
Inspection Cycle (Default) (months)	21						
Comment							