					Bridg	e Culve	rt Insp	ection								
Bridge File Number 01761 -2 Bridge Culvert						Form Type			CUL1							
Year Built 2001							Lot No.			3						
Bridge or Town Name LAVOY						Inspector Name			Jason Saly							
Located Over TRIBUTARY TO COTTONWO 6.5.29.1, WATERCRS-ST			LONMOC	D CK,		Inspector Class			BR CLS A							
Located On 36:20 C1 6.733						Assistant Name										
						Assistant Class										
Water Body Cl./Year							Inspection Date			09-Jan-2013						
Navigabil. Cl./Year Legal Land Location NW SEC 13 TWP 52 RGE 13 W4					// 1//		Data E	ntry By		Marcia Chavez						
Longitude, Latitu				IGE 13 W	/ 4 IVI		Data Entry Date			12-Feb-2013						
				15, 53:29:34						John O'Brien						
Road Authority Alberta Tra Contract Main. Area CMA14					Review Date			19-Jan-2013								
Clear Roadway/		11 /					Dept. Reviewer Name				dt					
AADT/Year		730 / 20	011 (Δ)	11 (A)					ate	13-Feb-2013						
Road Classificat			11.8-110					-Up By								
Detour Length (I		28	11.0 110													
Bridge Culvert										ı						
Number of Culve			1													
Pipe #	Barrel		Span	Rise (or	Dia.) Type			Length		Corr. Profile	Pl./Slab Thickness	Shape				
1 1	MAIN		-	2400		MP		45		125X26	2.8	ROUND				
Special Features	s			'				'	<u> </u>							
Special Features	s Comn	nent														
Little Attackers	-1-				Uti	ilities (L	ocated	at)								
Utility Attachmer	T .	5.4.					Gas									
Telephone East r/w. Power 2 line to East, fence line.					Munici	nal										
Others	2 11110 1	io Lasi,	Terice line.					m (Y/N)	I) No							
Remarks							1 TODIC	111 (1714)	INO							
Romano				A	pproac	ch Road	l / Emb	ankment								
					Last	Now		nation of		tion						
Horizontal Align	ment				7	7	Farm r	esidence	NE. Hi	lls each side. N	o passing both	n directions.				
Vertical Alignment			6	6												
Roadway Width (m) 11.200		11.200				Wide crack in ACP above pipe.										
Embankment			8	N	(Silt fences on both embankments; in disrepair. 09Dec2010) - Snow covered, but no signs of problems.											
		3.0	3.0			covere	d, but no	signs o	of problems.							
(Height of Cov	ver(m):	3.1)														
Guardrail (Y/N)			No													
Approach Road	d / Emb	ankme	nt General Rat	ing	6	6										
						Upstre	am End									
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion						
Direction		W														
End Treatment (Concrete, Steel, Others, None)			_													
Headwall		X	X													
Collar			X	X												
Wingwalls			X	X												
(Shape:)																
Cutoff Wall			X	X												

01761 -2 Bridge Culvert

			Unetro	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	I	8	7	Explanation of condition
Heaving (mm)	0			
Invert Above/Below Stream Bed	-			
Above/Below (mm)	700			
Scour Protection	700	7	N	Snow covered, but no signs of problems.
(Type : RIP RAP)		'	I IN	Show covered, but no signs of problems.
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		7	N	
GCGGI/E103I0I1		'	114	
Beavers (Y/N)	No			
		_	T _	
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	ı):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	09-Jan-2013			Water at springline - appears to be at all times. Ice within 1.1m of crown at W end, 1.2m at E end.
Special Features				
Special Feature				
(Type:)			1	1
Special Feature				
(Type:)				
Roof		7	7	Could not measure rise due to ice.
Measured Rise (mm)	2380			
Measured At Ring No.				
Sag (mm)	20			(00D2040)
Percent Sag	1			(09Dec2010)
Sidewall		7	7	Measurement taken midpipe at ice level.
Measured Span (mm)	2420			wedstrement taken mappe at lee level.
Measured At Ring No.	2420			
Deflection (mm)	20			
Percent Deflection	1			
	I	NI	N	(Silt on floor 22/Moy/2006)
Floor Bulge (mm)	0	N	N	(Silt on floor. 23/May/2006).
Measured At Ring No.	U			-
Abrasion (Y/N)	No			-
Circumferential Seams	INO	0	6	Minor organing
	15	8	6	Minor creasing.
Separation (mm)	10	V	V	
Longitudinal Seams		X	X	
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		7	7	
Corrosion By Soil (Y/N)	No			Minor
Corrosion By Water (Y/N)	Yes			NILLIOI
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
T offullig (1/N)	140			

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: MP)						
Fish Passage Adequacy		9	8							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		7	7							
Icing (Y/N)	No			(Silt will easily flush in flood. 23/May/2006)						
Silting (Y/N)	Yes									
Drift (Y/N)	No									
Barrel General Rating		7	7							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction	ı	E								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape:)										
Cutoff Wall		Х	X							
Bevel End		8	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	700									
Scour Protection		7	N	Snow covered, but no signs of problems.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)										
Scour/Erosion		7	N							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	7	7							
		S	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		8	8							
Bank Stability		8	N	Snow covered, but no signs of problems.						
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	No			 						
Channel Bottom Degrading/Aggrading				Unknown.						
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :										
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		8	8							

				Mainte	enance Reco	mmend	ations							
Inspector Recommendations	Y	Year Inspector Comments					Department Co	mmen	Tar	get Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS														
PLACE ADDITIONAL RIP RAP														
REMOVE DRIFT ACCUMULATION														
INSTALL CONCRETE/STEEL LINING														
INSTALL STRUTS														
INSTALL CONCRETE COLLAR/CUT	OFF													
REPAIR SEAMS														
OTHER ACTION		2013	Remove silt fences at both embankments, not yet done.			its, if								
OTHER ACTION		2013	Seal crac	k in asphalt.										
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/N (%)	ow) 7	77.8/77.8 Sufficiency (%)		Sufficiency Rat (%)	ing (Last/Nov	w)	75.5/75.5 Est		t. Repl. Yr	2054		Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection							Department Comments							
Maintenance Reviewed By							Date				Estim	ated Total	0	
Proposed Long-Term Strategy														
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name Da		Dave Lam				revious Assistant's Name								
Next Inspection Date 09		09-Oct-2014 Pr					ous Inspection Date 09-Dec-2010							
Inspection Cycle (Default) (months) 21														
Comment														