								4.				
D.I. El N. I. Series (E.)				Bridg	ridge Culvert Inspection							
			07496 -1 Bridge Culvert				Form Type		CULM			
Year Built 1960							Lot No.		2			
Bridge or Town Name							Inspector Name		Todd Warshawski			
			/BERRY CREE CRS-ST	EK, 6.112,			Inspector Class			BR CLS B		
			0:08 C1 6 772					Assistant Name				
Water Body Cl./Year			0.172				Assistant Class					
Navigabil. Cl./Year							Inspection Date		10-Jan-2013			
		SW SEC 3 TWP 49 RGE 3 W5M						Data Entry By Theresa Lacusta				
Longitude, Latitude		-114:21:51, 53:11:33					Data Entry Date		11-Feb-2013			
Road Authority		Alberta Transportation (AIT)					Reviewer Name		Eric Carcoux			
Contract Main. Area		CMA11	Transportation	. (/ ()			Review Date		16-Jan-2013			
Clear Roadway/Skew		11.2 /				Dept. Reviewer Nam						
AADT/Year	y/OREW		2011 (A)					Review Da	ate	14-Feb-2013		
Road Classific	ation	RAU-21				Follow-Up		-Up By				
Detour Length		6	1.0-110									
Bridge Culver	` '											
Number of Cul			 1									
Pipe #			Span	Rise (or Dia		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN		3660	2440		BP		53.6				RECTANGLE
Special Featur						<u> </u>	00.0			ı		
Special Featur		ment										
					Ut	ilities (L	Located	at)				
Utility Attachm	ents											
Telephone North & south r/w.						Gas						
Power 3 wires North r/w, 25m from c/l.					Munic	ipal						
Others						Proble	m (Y/N)	No				
Remarks												
				A				ankment	Candi	·		
Horizontal Alignment				7	7	Access road each way, no passing.						
					6	6	In sag curve, limited sight distance.					
Vertical Alignment			11.200		0	0	_					
Roadway Width (m)		11.200										
Embankment				N	4	Erosion gully @ SW 20m long, 5m wide, 1m deep outside of road						
Sideslope (_	_:1)		3.0				r/w.					
(Height of Co	over(m)	: 4.5)										
Guardrail (Y/N)		Yes										
Approach Road / Embankment General Ra			nt General Ra	ting	6	6						
						Linetre	am Er	1				
Culvert Comp	onent				Last		Explai	nation of	Condi	tion		
Direction				S	INOW	LAPIG		Oonai				
End Treatment Others, None)	(Concr	ete, Stee	I, CONCRETI	<u> </u>								
Headwall			6	6								
Collar			Х	X								
Wingwalls	Wingwalls			4	4	Some	Some cracks, separated from barrel approx 25mm. Moved in			Moved in 50mm		
(Shape:)					East s	East side. Flared						
Cutoff Wall			N	N								

07496 -1 Bridge Culvert

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	N	Snow covered
(Type : NONE)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	Scoured 10m x 10m wide27-May-2009
Beavers (Y/N)	No			
Unotroom End Conoral Poting		1	4	GR carried forward.
Upstream End General Rating		4	4	GR carried forward.
		1		Ivert Barrel
Culvert Component			Now	
		ın (mm	i): 1830), Rise (mm): 2440, Type: BP, Cell Sequence: 1)
Barrel Last Accessible Date	10-Jan-2013			East cell
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	5	Short longitudinal medium cracks, some transverse cracking. 25m
Measured Rise (mm)				from U/S transverse medium crack leaking water At U/S.
Measured At Ring No.				
Sag (mm)	6			est
Percent Sag	0			
Sidewall		5	5	Several vertical cracks with efflorescence East wall. Series of
Measured Span (mm)	1840			medium vertical cracks 10m to 25m from U/S. Medium vertical cracks on walls.
Measured At Ring No.				cl
Deflection (mm)				
Percent Deflection	0			
Floor		N	N	Ice covered
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		6	6	
Separation (mm)	20			
Longitudinal Seams		Х	Х	
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		Х	Х	
Corrosion By Soil (Y/N)			-	
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Bri	dge Cu	Ivert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 1830	, Rise (mm): 2440, Type: BP, Cell Sequence: 1)				
Fish Passage Adequacy			7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	6					
Icing (Y/N)	No			Minor drift at inlet.				
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating			5					
		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 1830	, Rise (mm): 2440, Type: BP, Cell Sequence: 2)				
Barrel Last Accessible Date	10-Jan-2013			West cell.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		5	5	Longitudinal, transverse medium cracking.				
Measured Rise (mm)				est				
Measured At Ring No.								
Sag (mm)	0							
Percent Sag								
Sidewall		5	5	West sidewall medium cracks have efflorescence.				
Measured Span (mm)	1840			cl				
Measured At Ring No.								
Deflection (mm)	0							
Percent Deflection	0							
Floor		N	N	Covered with ice.				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		6	6					
Separation (mm) 20								
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		Х	X					
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

		Bric	lge Cul	vert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 1830	, Rise (mm): 2440, Type: BP, Cell Sequence: 2)				
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	6					
Icing (Y/N)	No			Minor drift at inlet.				
Silting (Y/N)	No			winor and at mist.				
Drift (Y/N)	Yes							
Barrel General Rating		5	5					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		6	6					
Collar		Х	Х					
Wingwalls		4	4	Wide vertical cracks both wings. Wingwall moved 150mm inwards.				
(Shape:)								
Cutoff Wall		N	N					
Bevel End		Х	Х					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm)	0							
Scour Protection		N	N	Snow covered				
(Type : NONE)								
(Avg. Rock Size(mm):)								
Scour/Erosion			N	Scour along side of channel, 5m wide, 20m long27-May-2009				
Beavers (Y/N)	No							
Downstream End General Rating			4	GR carried fwd.				
		s	tructur	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			6					
Bank Stability		5	5					
HWM (m below Top of Culvert)	0.0			Drift on slopes.				
Drift (Y/N)	Yes			Caught on cell divider.				
Channel Bottom Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	6					

		Maintena	ance Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Remove drift at inlet.					
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 (%)	ow) 55.6/5	Sufficiency Rating (%)	g (Last/Now) 56.4/53.6	Est. Repl. Yr 20	030 Maint. Re	eqd. (Y/N)	Yes
Special Monitor wingwall st Comments for Next Inspection	ability.		Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	al 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Wade Nanning	ga	Previous Assistant's Name				
Next Inspection Date	10-Oct-2014		Previous Inspection Date	25-Jan-2011			
Next Inspection Date	10-06-2014		T TO TIOUS INOPOSIISTI BUILO				
Inspection Cycle (Default) (months)	21		T TO TIOUS INOPOSITOR DUIC	== == == == == == == == == == == == ==			