Bridge Culvert Inspection													
Bridge File Number 83020 -1) -1 Bridge Culvert				Form Type			CULM				
Year Built 1982							Lot No.			4			
Bridge or Town Name CESSFORD			ORD	RD			Inspector Name			Owen Salava			
Located Over ENV - DE			- DEADFISH IC, WATERCRS-IC				Inspect	or Class		BR CLS A			
Located On 36:08 C1			C1 46.027				Assista	Assistant Name					
Water Body CI./Year							Assista	Assistant Class					
Navigabil. Cl./Year							Inspection Date			17-Jul-2012			
Legal Land Location NW SEC			C 11 TWP 24 RGE 14 W4M				Data E	Data Entry By Marcia Chavez					
Longitude, Latitude -111:51:5			:56, 51:02:07				Data E	Data Entry Date 02-Aug-2012					
Road Authority Alberta T			Transportation	(AIT)			Review	Reviewer Name John O'Brien					
Contract Main. Area CMA21			<u> </u>					Review Date 31-Jul-2012					
Clear Roadway/Skew 10.2 /				Dept. Reviewer Name			Andrew Smikles						
AADT/Year		1,070 /	2011 (A)	Dept. Review Date			07-Aug-2012						
Road Classifica	ation	RAU-2	10-110)-110				Uр Ву					
Detour Length	(km)												
Bridge Culvert	Inform	ation											
Number of Culv	/erts		2										
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1600		MP		29		125X26	3.5	ROUND	
2	MAIN		-	1600		MP		29		125X26	3.5	ROUND	
Special Feature	es												
Special Feature	es Comr	ment											
-													
	Utilities (Located at)												
Utility Attachments													
l elephone	ephone East r/w.						Gas						
Power	At loca	ocal road to North.					Municip	bal					
Others						Probler	n (Y/N) ∣No	2					
Remarks				A .		l D							
				A		Now	Explan	ation of Co	nditi	ion			
Horizontal Align	ment				8	8	Canal service roads South of pipe.						
Vertical Alignm	ont				8	8	Carlart						
Roadway Width	n (m)		10 200		0								
	. ()		10.200										
Embankment						7							
Sideslope (_:1)		4.0				-						
(Height of Co	ver(m) :	2.5)											
Guardrail (Y/N)			No	No									
Approach Roa	d / Emb	bankme	nt General Rat	ing	8	8							
						Upstrea	am End						
Culvert Compo	onent				Last	Now	Explan	ation of Co	nditi	ion			
(Pipe # : 1, Sp	an Type	e: Prima	ary Span)										
Direction			W		North p	ipe.							
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall			-		X	Х							
Collar			X	Х									
Wingwalls				Х	Х								
(Shape:)													

Culvert Component		Leat	New	am Eno
Curvert Component	(Span)	Last	NOW	
Cutoff Mall	(Span)	V	v	
Cutoff Wall		X	X	
Bevel End		N	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	50			
Scour Protection		N	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion			6	Minor washing at toe of both bevels.
Beavers (Y/N)	No			
Upstream End General Rating	1	6	6	
		Bri	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	ı):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	17-Jul-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	6	
Measured Rise (mm)	1550			
Measured At Ring No.	2			
Sag (mm)	50			3 1% sag
Percent Sag	3			0.170 000
Sidewall		N	6	
Measured Span (mm)	1625			
Measured At Ring No.	2			
Deflection (mm)	25			1.6% deflection
Percent Deflection	1			
Floor		N	6	Corrosion along strip of floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	6	
Separation (mm)	80			
Longitudinal Seams		X	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		N	6	Scaling rust along strip of floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

Bridge Inspection & Maintenance System (Web 2005)

83020 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa):	, Rise (mm): 1600, Type: MP)					
Camber POS/ZERO/NEG NEG									
Ponding (Y/N) No									
Fish Passage Adequacy		6	6	Irrigation canal.					
Baffle			Х						
(Туре :)									
Waterway Adequacy		N	6						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	6						
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Span Type: Primary	/ Span)								
Direction		E		North pipe.					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall			X						
Collar			X						
Wingwalls		Х	X						
(Shape :)			1						
Cutoff Wall		X	X						
Bevel End	1	N	6						
Heaving (mm)	50								
Invert Above/Below Stream Bed	ABOVE			-					
Above/Below (mm)	150		1						
Scour Protection		N	6						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion	1	N	6						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	N	6						
			Upstre	am End					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction		W		South pipe.					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		X	X						
Wingwalls		X	Х						
(Shape :)									
Cutoff Wall		X	X						

		1	Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Bevel End		Ν	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			_
Above/Below (mm) 50				
Scour Protection			6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	6	Minor washing @ toe of both bevels.
Beavers (Y/N)	No			
Upstream End General Rating	1	6	6	
		Dei		luort Dorrol
Culvert Component		Bri		Explanation of Condition
(Pipe # : 2 Secondary Span Lo	cation Code: MAIN	Span (mm).	Pise (mm): 1600, Type: MP)
Parrol Lost Accessible Date		Span (
	17-Jui-2012			
Special Features				
Special Feature				_
(Type:)			_	_
Special Feature				_
(Туре :)			_	
Roof		N	6	
Measured Rise (mm)	1540			
Measured At Ring No.	3			
Sag (mm)	60			3.7%
Percent Sag	4			
Sidewall		N	6	
Measured Span (mm)	1630			
Measured At Ring No.	3			
Deflection (mm)	30			1.9%
Percent Deflection	2			
Floor		N	6	Corrosion along strip of floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		Ν	6	
Separation (mm)	100			
Longitudinal Seams		N	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)				1
Coating		N	6	Scaling rust along strip of floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			1
Camber POS/ZERO/NEG	NEG			
Sumbor F SO/LERO/RES				

Bridge Inspection & Maintenance System (Web 2005)

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (I	nm):	, Rise (mm): 1600, Type: MP)						
Ponding (Y/N)	No									
Fish Passage Adequacy		6	6							
Baffle		X	Х							
(Type :)										
Waterway Adequacy		N	6							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating			6							
		D	ownst	ream End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	lary Span)									
Direction		Е		South culvert.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar			X							
Wingwalls			X							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		N	6							
Heaving (mm)	50									
Invert Above/Below Stream Bed	ABOVE			_						
Above/Below (mm)	100									
Scour Protection		N	6	_						
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	6							
Beavers (Y/N)	No									
Downstream End General Ration	ng	6	6							
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			7	Rock wier approx 50m D/S.						
Bank Stability			7							
HWM (m below Top of Culvert)	0.7			-						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading	Channel Bottom DEGRADING Degrading/Aggrading			-						
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)			-						
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating	Channel General Rating		7							

Maintenance Recommendations												
Inspector Recommendations		Year Inspector Comments			Department Comr	Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow) (55.6/66.7	7 Sufficiency Rating (Last/Nov (%)	w) 6	9.6/65.3	Est. Repl. Yr 2039		Maint. Reqd. (Y/N) No		No		
Special Comments for Next Inspection					Department Comments							
Maintenance Reviewed By					Date		E	stimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Jaso		Saly	P	revious A	Assistant's Name							
Next Inspection Date 17-A		2014	Pi	revious li	Inspection Date 31-Mar-2011							
Inspection Cycle (Default) (months) 21												
Comment												