Bridge Culvert Inspection													
Bridge File Number 83035 -1 Bridge Culvert					Form T	уре		CULM					
Year Built		1986						Lot No.		4			
Bridge or Town	Name	ANDRE	W				Inspector Name		Dave Lam				
Located Over		EGG C	REEK, 6.48, W	ATERCR	S-ST		Inspector Class			BR CLS A			
Located On		LOCAL	ROAD				Assista	nt Name					
Water Body Cl.	/Year						Assistant Class						
Navigabil. Cl./Y	'ear						Inspec	tion Date		17-Jul-2011			
Legal Land Loc	ation	SW SE	C 4 TWP 57 R	GE 16 W4	-M		Data E	ntry By		Marcia Chavez			
Longitude, Lati	tude	-112:19	9:55, 53:53:36				Data E	ntry Date	try Date 22-Aug-2011				
Road Authority		Alberta	Transportation	(AIT)			Review	ewer Name John O'Brien					
Contract Main. Area UNDEFINED CMA					Review Date			28-Jul-2011					
Clear Roadway	/Skew					Dept. Reviewer Name			Andrew Smikles				
AADT/Year		1 / 201	1 (E)				Dept. F	Dept. Review Date 23-Aug-2011					
Road Classifica	ation						Follow	-Up By					
Detour Length	(km)	999											
Bridge Culvert	Inform	ation											
Number of Culv	/erts		2										
Pipe #	Barrel		Span Rise (or Dia			Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		-	1600		MP		13.9		68X13	2.8	ROUND	
2	MAIN		-	1600		MP		13.9		68X13	2.8	ROUND	
Year Built Bridge or Town Name Located Over Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Located Authority Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Derivating Equivert Information Number of Culverts Pipe # Barrel Span R I MAIN - 16 Special Features Special Features Comment  Utility Attachments Telephone Power Others Remarks  Horizontal Alignment Sideslope (_:1)													
Special Feature	es Comr	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone							Gas						
Power							Municipal						
Others Remarks						Proble	m (Y/N)	No					
Remarks													
Approach Road / Embankment  Last Now Explanation of Condition													
					5 5	5	Land access over drainage ditch in middle of field N on RR165  1.0km off HWY45 E into field access. Follow creek bank on N side to culvert site.						
Roadway Width	n (m)						1 Ollow	orcon bar	ik Oii i	V SIGE TO CUIVE	i oito.		
Embankment													
	·1)		1.0		5	5	1						
		. \	1.0				-						
Guardrail (Y/N)		· )	No										
Approach Roa	ıd / Emb	oankme	nt General Rat	ing	5	5							
						Unatro	l am End						
Culvert Comp	onont				Last		1	ation of (	Condi	tion			
		a. Prima	rry Snan)		Lasi	INOW	Explai	iation of C	Jonan	uon			
	ан турс	5. I IIIIIC	пу орап)		s		WEST	DIDE					
End Treatment	(Concre	ete, Stee	el, STEEL		3		VVLST	FIFE.					
Headwall					Х	Х							
Collar					Х	X							
Wingwalls					Х	X							
Road Authority Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Detour Length (km) Detour Span  MAIN MAIN MAIN MAIN MAIN MAIN MIN MIN MIN MIN MIN MIN MIN MIN MIN M													

			Upstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		Х	X	
Bevel End		6	7	
Heaving (mm)	25			
Invert Above/Below Stream Bed	BELOW			
(Pipe # : 1, Span Type: Primary Span)  Cutoff Wall  Bevel End  Heaving (mm)  Sour Protection  (Type : RIP RAP)  (Avg. Rock Size(mm) : 300)  Scour/Erosion  Beavers (Y/N)  No  Upstream End General Rating  Culvert Component  (Pipe # : 1, Primary Span, Location Code: MAIN, Span (n)  Barrel Last Accessible Date  17-Jul-2011  Special Features  Special Feature  (Type : )  Roof  Measured At Ring No.  Sag (mm)  Percent Sag  Sidewall  Measured Span (mm)  Measured At Ring No.  Deflection (mm)  Deflection (mm)  45  Measured At Ring No.  Deflection (mm)  Deflection (mm)  45  Measured At Ring No.  Deflection (mm)  Deflection (mm)  45				
Scour Protection		6	6	Covered with straw & small twigs.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Brid		lvert Barrel
•		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	1):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	17-Jul-2011			WEST PIPE
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	
Measured Rise (mm)	1555			- Midspan.
Measured At Ring No.				2.8%
Sag (mm)	45			2.0 /6
Percent Sag	3			
Sidewall		6	6	
Measured Span (mm)	1645			- Midspan.
Measured At Ring No.				2.8%.
` '				2.076.
Percent Deflection	3			
Floor		6	N	0.7m water.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	0			
Longitudinal Seams		Х	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		6	5	
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			

		Brid	dge Cu	Ivert Barrel			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm	<b>)</b> :	, Rise (mm): 1600, Type: MP)			
Camber POS/ZERO/NEG	ZERO						
Ponding (Y/N)	No						
Fish Passage Adequacy		5	5				
Baffle			Х				
(Type:)							
Waterway Adequacy		7	7				
Icing (Y/N)	No						
Silting (Y/N) Yes				Lots of small drift inside barrel.			
Drift (Y/N) Yes							
Barrel General Rating		6	6				
		D	ownstr	eam End			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 1, Span Type: Primary	/ Span)						
Direction		N		WEST PIPE			
End Treatment (Concrete, Steel, Others, None)	STEEL						
Headwall		X	X				
Collar		Х	X				
Wingwalls		X	X				
(Shape: )							
Cutoff Wall		Х	X				
Bevel End		6	6	(Bulge (photo 3). 19Nov2002).			
Heaving (mm)	25			Under water; not visible.			
	BELOW						
Above/Below (mm)	100						
Scour Protection		6	6				
(Type : RIP RAP)							
(Avg. Rock Size(mm) : <b>300</b> )		1 -	Ι.				
Scour/Erosion		6	6				
Beavers (Y/N)	No						
Downstream End General Ratio	ng	6	6				
				am End			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 2, Span Type: Second	ary Span)						
Direction		S		EAST PIPE			
End Treatment (Concrete, Steel, Others, None)	STEEL		l				
Headwall		X	X				
Collar		Х	X				
Wingwalls		X	X				
(Shape: )							
Cutoff Wall		X	X				

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Span Type: Second	lary Span)			
Bevel End		6	7	
Heaving (mm)	25			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	17-Jul-2011			EAST PIPE
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	
Measured Rise (mm)	1570			
Measured At Ring No.				
Sag (mm)	30			
Percent Sag				
Sidewall		6	6	
Measured Span (mm)	1630			
Measured At Ring No.				
Deflection (mm)	30			
Percent Deflection				
Floor		6	N	0.7m water.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	0			
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		6	6	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brio	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1600, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle			Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	Yes			Lots of small drift inside barrel.
Drift (Y/N)	Yes			
Barrel General Rating		6	6	
Ordered Order				ream End
Culvert Component	lami Cuam)	Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			EAST BIDE
Direction	0.7551	N		EAST PIPE
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )			T .,	
Cutoff Wall		X	X	
Bevel End		6	7	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Deavers (1/IV)	INO			
Downstream End General Ratio	ng	6	6	
		S	tructu	re Usage
		Last	Now	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)	No			
Channel Bottom Degrading/Aggrading				Unknown.
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

		Maintenance Rec	commendations				
Inspector Recommendations	Year	Inspector Comments	Department Comm	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS		.,					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	<b>)</b>						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	ow) 66.0/66	.7 Sufficiency Rating (Last/N (%)	ow) 71.9/71.7	Est. Repl. Yr 202	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection Land access only 8 17Jul2011.	not a major cor	cern if drift not cleaned out regularly -	Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Aime Theroux		Previous Assistant's Name				
Next Inspection Date	17-Apr-2016		Previous Inspection Date				
Inspection Cycle (Default) (months)	57						
Comment							