					Brida	e Culve	ert Insp	ection					
Bridge File Nur	nber	73216 -	-1 Bridge Culver	t			Form T			CULM			
Year Built		1986	PHBURG I TARY TO ROSS CREEK, 6.66.1,			Lot No			2				
Bridge or Town	Name	JOSEP	HBURG		tor Name		Melanie Johns	son					
Located Over				CREEK	, 6.66.	1,	Inspector Class			BR CLS B			
		WATER	RCRS-ST					nt Name					
Located On	830:02 C1 24.414 CI./Year				Assista	nt Class							
Water Body Cl.	/Year							ion Date		30-Mar-2012			
Navigabil. Cl./Y	'ear									Theresa Lacus	sta		
Legal Land Loc	cation	SW SE	C 9 TWP 55 RG	9 TWP 55 RGE 21 W4M				ntry By ntry Date	!	08-May-2012			
Longitude, Lati	tude	-113:04	1:28, 53:43:51	08 53-43-51				er Name		Eric Carcoux			
Road Authority		Alberta	Transportation	(AIT)			Review	Date		17-Apr-2012			
Contract Main.	Area	CMA09					Dept. F	Reviewer	Name	Brent Herrick			
Clear Roadway	//Skew	9.5 /						Review Da		12-Jun-2012			
AADT/Year		2,210 /	2011 (A)				Follow						
Road Classifica	ation	RAU-2	10-110					-1 7					
Detour Length	(km)												
Bridge Culvert	t Inform	ation											
Number of Culv	verts		4										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1400				27		75X25	2.8	ROUND	
2	MAIN		-	1400				27		75X25	2.8	ROUND	
3	MAIN		-	1400		MP		27		75X25	2.8	ROUND	
4	MAIN		-	1400		MP		27		75X25	2.8	ROUND	
Special Feature	es												
Utility Attachme	ents West	r/w.			Uti	lities (L	ocated Gas	at)					
Power	3 lines	s East r/	w.				Municipal						
Others							Problem (Y/N) No						
Remarks													
				A	pproac	h Road		ankment					
					Last	Now	Explanation of Condition						
Horizontal Align					7	7	Interse	ction to S	South, f	ield access to N	North.		
Vertical Alignm					7	7							
Roadway Width	n (m)		9.500										
Embankment			_		N	7							
Sideslope (3.0										
(Height of Co		2)											
Guardrail (Y/N)	1		Yes				Type VI at NW, NE & SE. 1 broken post at east, 2 other posts leaning.						
Approach Roa	d / Emi	oankme	nt General Rati	ing	7	7							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion			
(Pipe #: 1, Sp	an Type	e: Prima	ary Span)										
Direction End Treatment Others, None)	(Concre	ete, Stee	el, CONCRETE		Е		South pipe. P1 Concrete box structure.						
Headwall					7	7							
Collar					7	7							

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Wingwalls		7	7	
(Shape:)				
Cutoff Wall		N	N	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1400, Type: MP)
Barrel Last Accessible Date	30-Mar-2012			P1
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	5	Silt on floor to 300mm.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		8	5	Span @ East end - 1395, 5mm. At c/l - 1397 - 3mm.
Measured Span (mm)	1394			At West end.
Measured At Ring No.				At West Giu.
Deflection (mm)	6			
Percent Deflection	0			
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	25			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			

		Brid	lge Cul	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm):	, Rise (mm): 1400, Type: MP)
Coating		6	6	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			
Fish Passage Adequacy		6	6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			Up to 300mm.
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		7	8	
Darrer Concra Rating		•		
				eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	Span)			
Direction		W		South pipe - P1.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	7	7	
			Upstre	am End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		E		P2
End Treatment (Concrete, Steel, Others, None)	CONCRETE			Concrete box structure.
Headwall		7	7	
Collar		8	8	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Wingwalls		8	8	
(Shape:)				
Cutoff Wall		N	N	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Duit	lae Cu	lvert Barrel
Culvert Component		1	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN S			, Rise (mm): 1400, Type: MP)
Barrel Last Accessible Date	30-Mar-2012	pun (i	,.	, Kibo (iliin). 1-ree, Type: Ilii)
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm)	1395	0	0	
Measured At Ring No.	1000			At c/l.
Sag (mm)	5			
Percent Sag	0			0.4%
Sidewall	U	8	8	
Measured Span (mm)	1410	0	0	East end.
Measured At Ring No.	1410			
Deflection (mm)	10			0.7%
Percent Deflection	1			
	1	0		
Floor		8	8	
Bulge (mm)	0			
Measured At Ring No.	NI-			
Abrasion (Y/N)	No	-		
Circumferential Seams		7	7	
Separation (mm)	20			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				

		Brio	lge Cul	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Secondary Span, Lo	cation Code: MAIN, S	pan (n	nm):	, Rise (mm): 1400, Type: MP)
Coating		6	6	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating	110	8	8	
Barrer General Nating				
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Span Type: Second	ary Span)			
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		7	7	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
			U <u>pstre</u>	am End
Culvert Component				Explanation of Condition
(Pipe # : 3, Span Type: Second	ary Span)			
Direction		Е		P3.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			Concrete box structure.
Headwall		7	7	
Collar		8	8	

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Span Type: Second	lary Span)			
Wingwalls		8	8	
(Shape:)				
Cutoff Wall		N	N	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		D.:	lara Ora	dual Barrel
Culvert Component				Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: MAIN S			, Rise (mm): 1400, Type: MP)
Barrel Last Accessible Date	30-Mar-2012	ppan (i	11111).	P3
Barrel Last Accessible Date	30-Mar-2012			P3
Special Features		I	_	
Special Feature				_
(Type:)		I		
Special Feature				_
(Type:)				
Roof		8	8	
Measured Rise (mm)	1395			CI
Measured At Ring No.				West end.
Sag (mm)	3			
Percent Sag	0		,	0.4%
Sidewall		8	8	
Measured Span (mm)	1410			CI
Measured At Ring No.				
Deflection (mm)	10			0.7%
Percent Deflection	1			
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	30			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				

		Brio	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, Lo	cation Code: MAIN, S	pan (n	nm):	, Rise (mm): 1400, Type: MP)
Coating		7	7	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	8	
Burrer General Ruting		'		
		D	1	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Span Type: Second	ary Span)			
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	Х	
Collar		Х	X	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
			Upstre	am End
Culvert Component				Explanation of Condition
(Pipe # : 4, Span Type: Second	ary Span)			
Direction		Е		P4
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	
Collar		8	8	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Span Type: Second	lary Span)			
Wingwalls		7	7	
(Shape:)				
Cutoff Wall		N	N	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)			_	
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 4, Secondary Span, Lo	cation Code: MAIN, S			, Rise (mm): 1400, Type: MP)
Barrel Last Accessible Date	30-Mar-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm)	1398			@ CL
Measured At Ring No.				
Sag (mm)				
Percent Sag	0			
Sidewall		8	8	
Measured Span (mm)	1405			@ CL
Measured At Ring No.				- GC
Deflection (mm)	5			
Percent Deflection	1			
Floor		N	N	Covered with 150-250mm of dirt.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	20			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				

		Bric	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 4, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 1400, Type: MP)
Coating		7	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating	140	7	8	
Barrer General Rating				
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Span Type: Second	lary Span)			
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		8	7	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	7	
		s	tructu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	Man made ditch.
Bank Stability		N	8	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			

	Structure Usage									
		Last	Now	Explanation of Condition						
Channel Bottom Degrading/Aggrading										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			8							

			Maintenan	ce Recommen	dations					
Inspector Recommendations	Year	r Inspecto	or Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2012	2 Replace	broken TT guardrail p	ost at East side.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		Sufficiency Ra (%)		Last/Now)	75.5/81.3	Est. Repl. Yr	2045	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Jason Saly			Previous	Assistant's Name					
Next Inspection Date	30-Jun-201	5		Previous	Inspection Date	22-Dec-2008				
Inspection Cycle (Default) (months)	39									
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