					Bride	ne Culve	ert Insped	ction					
Bridge File Number 02370 -1 Bridge Culvert						, cacarre	Form Ty			CULM			
Year Built		1996	. Dilago oa	1011			Lot No.	 		4			
Bridge or Tow	n Name		RECK				Inspecto	r Name		Garry Roberts			
Located Over			CREEK, 2.12	237.3 WAT	FRCR	S-ST	Inspecto			BR CLS A			
Located On			1 16.308				Assistan			DIC OLO A			
Water Body C	l /Year					Assistant Class							
Navigabil. Cl./							Inspection			16-Jun-2012			
Legal Land Lo		SW SEC	C 14 TWP 9	RGF 2 W5	M		Data En			Erin Roberts			
Longitude, Lat			:26, 49:43:5				Data En			16-Jul-2012			
Road Authorit			Transportati				Reviewe			Joel Wozney			
Contract Main		CMA26	Transportati	o (,)			Review Date 27-Jun-2012						
		13.7 /					-		me	Tim Davies			
			2011 (A)				· ·	eview Date		17-Jul-2012			
Road Classific	ration	RAU-21					Follow-L		'	17 001 2012			
Detour Length		10	1.0 110				- I ollow C	op By					
Bridge Culve										1			
Number of Cu			 3										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	ı	Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		6287	3888		RPB		15.9		152X51	4.0	ELLIPSE	
2	MAIN		-	3000		MPB		16		125X26	3.5	ROUND	
3	MAIN		-	3000		МРВ		16		125X26	3.5	ROUND	
Special Featu	res												
Special Featu	res Comi	ment											
					Ut	ilities (L	Located a	at)					
Utility Attachm	ents												
Telephone	East r	/w.				Gas							
Power							Municipal						
Others	Fibre	optics @	East r/w.				Problem	(Y/N) N	0				
Remarks													
				A			d / Embar			_			
					Last			tion of Co	ndi	tion			
Horizontal Alig					7	7	In sag curve.						
Vertical Alignn			T		6	6							
Roadway Wid	th (m)		12.000										
Embankment					7	7							
Sideslope (_	:1)		4.0				1						
(Height of C	· ·	: 0.8)											
Guardrail (Y/N		· • • • • • • • • • • • • • • • • • • •	Yes				Double I	aver flexhe	eam	bridgerail.			
Approach Ro		bankmer		Rating	6	6		Double layer flexbeam bridgerail.					
11 2 3 3 1 1 1													
							am End						
Culvert Comp					Last	Now	Explana	tion of Co	ndi	tion			
(Pipe # : 1, S	pan Typ	e: Prima	ry Span)										
Direction					W		West en	d of center	pip	e.			
End Treatmen Others, None)	t (Concre	ete, Stee	I, CONCRE	TE									
Headwall					6	6		acks & lea	chir	ng.			
Collar					X	X	Parging patched.						
Wingwalls					7	7	Timber with steel piles						
(Shape :)				,	'							
(Onape .	1					Dogo	1 of 8						

02370 -1 Bridge Culvert

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		N	N	Buried.
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)		1		
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	ı): 6287	', Rise (mm): 3888, Type: RPB)
Barrel Last Accessible Date	16-Jun-2012			Centre pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag			_	
Sidewall		8	8	(6250mm span @ mid - no def - as built.)
Measured Span (mm)	6233			
Measured At Ring No.	3			
Deflection (mm)	54			
Percent Deflection	1			
Floor		N	N	Silt & rock 1300mm deep.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)			1	
Circumferential Seams		8	8	-
Separation (mm)	0			
Longitudinal Seams		8	8	-
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				3N stagger at roof only
Min. Remaining Steel Between Cracks (mm)				Jor Stagger at 1001 Offig
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	No			
Coating		6	6	Alkali and calcium stains at seams.
Corrosion By Soil (Y/N)	Yes			
Correcion By Water (V/N)	No			II.

		Brid	dge Cu	Ivert Barrel
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 6287	, Rise (mm): 3888, Type: RPB)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	Yes			Minor drift in barrel.
Barrel General Rating		7	7	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Direction		E		East end of centre pipe.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		6	6	Cracks & leaching - parging patched.
Collar		X	X	
Wingwalls		7	7	Timber with steel piles
(Shape:)				
Cutoff Wall		N	N	
Bevel End		X	X	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)	1000			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	6	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		W		West end South pipe
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		6	6	Narrow cracks.
Collar		Х	X	
Wingwalls		7	7	Timber with steel piles.
(Shape:)				
Cutoff Wall		N	N	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		Х	X	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	800			
Scour Protection		8	8	Well ingrown - South CSP.
(Type : RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Bri	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (ı	mm):	, Rise (mm): 3000, Type: MPB)
Barrel Last Accessible Date	16-Jun-2012			South pipe
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		8	8	
Measured Span (mm)	2885			
Measured At Ring No.	2			
Deflection (mm)	15			
Percent Deflection				
Floor		N	N	800mm silt
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		8	8	
Separation (mm)	10			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 3000, Type: MPB)
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			800mm silt and rock.
Silting (Y/N)	Yes			- 00011111 Silt and 10CK.
Drift (Y/N)	No			
Barrel General Rating		8	8	
		D	ownst	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		Е		East end south pipe
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		6	6	Cracking & leaching, parging patches.
Collar		Х	Х	
Wingwalls		7	7	Timber with steel piles.
(Shape:)				
Cutoff Wall		N	N	
Bevel End		Х	X	
Heaving (mm)				
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		8	8	Well ingrown - South CSP.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)		1		
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	6	
		1		am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	ary Span)	1		
Direction	ı	W		West end North pipe
End Treatment (Concrete, Steel, Others, None)				
Headwall		6	6	Cracking & Leaching, parging patches
Collar		Х	Х	
Wingwalls		7	7	Timber with steel piles.
(Shape:)				
Cutoff Wall		N	N	
Bevel End		Х	Х	
Heaving (mm)	0			

02370 -1 Bridge Culvert

			Upstre	eam End
Culvert Component		Last		
(Pipe #: 3, Span Type: Second	lary Span)			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		8	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)				
Upstream End General Rating		6	6	
		Bri	dge Cu	livert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, Lo	cation Code: MAIN, S	Span (ı	mm):	, Rise (mm): 3000, Type: MPB)
Barrel Last Accessible Date	07-Oct-2010			North Pipe Handles low flows. Water too deep/ fast to enter - viewed from both ends.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	N	PR 8
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		8	N	PR 8
Measured Span (mm)	2980			
Measured At Ring No.	2			
Deflection (mm)	20			
Percent Deflection				
Floor		N	N	(500mm rock)
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7	N	(Stitch welded) PR 7
Separation (mm)	10			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		7	N	PR 7
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

02370 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, Lo	ocation Code: MAIN,	Span (r	nm):	, Rise (mm): 3000, Type: MPB)
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	N	PR 8
		D		ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Span Type: Second	lary Span)			
Direction		E		East end North Pipe
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	
Collar		X	X	
Wingwalls		7	7	Timber with steel piles
(Shape:)				
Cutoff Wall		N	N	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		8	Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			6	Curves both ends
Bank Stability			6	Steep cut @ d/s
HWM (m below Top of Culvert) 2.0				Trees @ u/s
Drift (Y/N) Yes				No visible HWM
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		6	6	

			Mainten	ance Recommen	dations					
Inspector Recommendations	Yea	ar	Inspector Comments		Department Com	nments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 77.8	8/77.8	Sufficiency Ratin	g (Last/Now)	71.5/71.5	Est. Repl. Yr 2052		Maint. Reqd. (Y/N)		No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry Robe	erts		Previous	Assistant's Name					
Next Inspection Date	16-Mar-20	14		Previous	Inspection Date	07-Oct-2010				
Inspection Cycle (Default) (months)	21									
Comment										