					Bride	ge Culve	art Insn	ection					
Bridge File Number 71087 -1 Bridge Culvert				ынац	je Guive	Form 7			CULM				
Year Built 1960						Lot No.			4				
Bridge or Town Name HARTELL						Inspector Name			Garry Roberts				
Located Over TONGUE CREEK, 2.13.27.5, W			/ATER	CRS-		Inspector Class BR CLS A							
ST						Assistant Name							
Located On 22:12 C1 6.936						Assistant Class							
Water Body Cl./Year							nspection Date 06-Jun-2012						
Navigabil. Cl./Year						· ·	Data Entry By Kelsey Roberts						
Legal Land Location SW SEC 9 TWP 19 RC			GE 2 W5M			Data Entry Date		05-Jul-2012					
			52, 50:35:26				Reviewer Name		Tom Carey				
·		Transportation (AIT)				Review Date		18-Jun-2012					
Contract Main. Area CMA27			•					Dept. Reviewer Name Tim Davies					
Clear Roadway	y/Skew	8 /						Dept. Review Date		12-Jul-2012			
AADT/Year			2011 (A)				Follow-Up By						
Road Classifica		RAU-2	13.4-120				-						
Detour Length	` '	10											
Bridge Culver		nation											
Number of Cul			1	T		1_		I					
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		3640	2430		BP		43.9			THORNOO	RECTANGLE	
Special Feature		3040 2430						10.0		I.		11201711022	
Special Feature		ment											
ороски тольки													
					Ut	ilities (L	ocated	at)					
Utility Attachme													
Telephone West r/w.						Gas							
Power Loc at E end-3 wire-20m from c/l.					Munici								
Others							Proble	m (Y/N)	No				
Remarks													
				Α				ankment		1:			
Horizontal Alig	nmont				Last 6	6	Explanation of Condition Limited sight distance south						
Vertical Alignm					5	5	Limited digitalities south						
Roadway Widt			13.000		J	J J							
Noadway Widt	11 (111)		13.000										
Embankment					7	7	8:1 ove	er box					
Sideslope (:1) 3.5													
(Height of Co	over(m)	2)											
Guardrail (Y/N))		Yes				offset 4	1m from roa	ad sh	oulder			
Approach Road / Embankment General Rating													
Approach Roa	ad / Emi	oankme	nt General Ra	ting	5	5							
						Upstre	am End						
Culvert Comp	onent				Last	Now	Explar	nation of C	ondi	tion			
Direction		W		West									
End Treatment (Concrete, Steel, CONCRETE													
Others, None) Headwall		7	7										
Collar			X	X									
					Deth wines avaking tayonada strangelad N. H. 11. 50								
Wingwalls (Shape: ELARE)			5	5	Both wings pushing towards streambed. North wall is 50 mm at to and 40 mm away from barrel worst of all four corners.				s 50 mm at top s.				
(Shape : FLARE)			V	V									
Cutoff Wall			X	X									

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	100									
Scour Protection		8	8	And concrete apron. (Apron has wide cracking and heaved 25mm @						
(Type : RIP RAP)				U/S end) Apron not visible						
(Avg. Rock Size(mm) : 500)				- Apron not visible						
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Upstream End General Rating		5	5							
		Brid	dae Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
<u> </u>	tion Code: MAIN. Spa			D, Rise (mm): 2430, Type: BP, Cell Sequence: 1)						
Barrel Last Accessible Date	06-Oct-2010		,	North Box- Water too deep to enter. Viewed from all 4 corners, shape appears good.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		7	N	P.R. 7						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall		7	N	(Minor vertical cracks, horizontal crack sidewall to roof N wall.)						
Measured Span (mm)				P.R. 7						
Measured At Ring No.										
Deflection (mm)	0									
Percent Deflection										
Floor		6	N	P.R. 6						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		7	N	(20 mm wide construction joint @ mid-span.) P.R. 7						
Separation (mm)	20									
Longitudinal Seams		Х	N							
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	N							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									

		Brio	lge Cul	vert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	ion Code: MAIN, Spa	n (mm): 1820	, Rise (mm): 2430, Type: BP, Cell Sequence: 1)
Ponding (Y/N)	No			
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		7	N	
		Brid	lae Cul	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1820	, Rise (mm): 2430, Type: BP, Cell Sequence: 2)
Barrel Last Accessible Date	06-Oct-2010			South Box- Water too deep to enter.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	N	(Minor crack @ U/S end.) P.R. 7
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		7	N	(Minor vertical cracks.) P.R. 7
Measured Span (mm)				
Measured At Ring No.	_			
Deflection (mm)	0			
Percent Deflection				
Floor	0	6	N	
Bulge (mm)	0			
Measured At Ring No. Abrasion (Y/N)				
Circumferential Seams		7	N	(Joint @ midspan.) P.R. 7
Separation (mm)	30	- /	IN	
Longitudinal Seams	30	Х	N	
Total No. of Cracked Rings			IN	
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		Х	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

71087 -1 Bridge Culvert

		Brio	dge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 1820	, Rise (mm): 2430, Type: BP, Cell Sequence: 2)
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	4	400mm silt
Icing (Y/N)	No			Water pooling on either side of opening at U/S
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		7	N	
Culvert Component		Last	Now	eam End Explanation of Condition
Direction		E	INOW	East
End Treatment (Concrete, Steel, Others, None)	CONCRETE			Last
Headwall		7	7	
Collar		Х	Х	
Wingwalls			5	South moved in towards stream 20mm and away from barrel 60 mm.
(Shape : FLARE)				
Cutoff Wall		Х	Х	
Bevel End		Х	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		7	7	And concrete apron- not visible
(Type:)				Sand bags and scattered rock
(Avg. Rock Size(mm):)			l -	
Scour/Erosion		7	7	
Beavers (Y/N)	No		1	
Downstream End General Ratio	ng	5	5	
				re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		5	I _	
Alignment			5	Curved @ D/S.
Bank Stability		5	5	Steep cut @ East-North side.
HWM (m below Top of Culvert)	0.6			(08-Jan-2007) No visible HWM
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		5	5	

		Maintenance	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		•		•					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	}								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 77.8/55	.6 Sufficiency Rating (La	ast/Now)	68.5/47.5	Est. Repl. Yr	2031	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previous	Assistant's Name					
Next Inspection Date	06-Mar-2014		Previous	Inspection Date	06-Oct-2010				
Inspection Cycle (Default) (months)	21								
Comment									