Bridge Culvert Inspection														
Bridge File Num	nber	01913	-1 Bridge Culve	rt			Form			CUL1				
Year Built		1973					Lot No			4				
Bridge or Town	Name	CARDS	STON				Inspec	tor Name		Jon Davies				
Located Over		LAYTO	N CREEK, 2.12	2.22.12, W	/ATER	CRS-	Inspector Class			BR CLS B				
Located On			. ROAD				Assistant Name							
Water Body Cl.	/Year							ant Class		00 D 0040				
Navigabil. Cl./Y							Inspection Date 09-Dec-2012							
Legal Land Loc		SW SE	C 30 TWP 3 R0	3E 25 W4	М.			Data Entry By Kelsey Roberts						
Longitude, Latit			:13, 49:13:56					ntry Date		05-Jan-2013				
Road Authority			Transportation	(AIT)				ver Name		Garry Roberts				
Contract Main.	Area	CMA25	·	,			Review		N.I	16-Dec-2012				
Clear Roadway	/Skew	11 /						Reviewer						
AADT/Year		720 / 1	992 (E)					Review Da	ate	08-Jan-2013				
Road Classifica	ition	RLU-2	. ,				Follow	-Up By						
Detour Length ((km)	14												
Bridge Culvert		ation								,				
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		2490	0 1750		SPE		21.9		152X51		ELLIPSE		
Special Feature	es										'			
Special Feature		ment												
					Uti	ilities (L	ocated	at)						
Utility Attachme	nts													
Telephone	South	ditch.					Gas							
Power 3 wires North side.							Munici	pal						
Others								m (Y/N)	No					
Remarks								,						
Approach Road / Embankment														
					Last	Now	Explai	nation of	Condi	tion				
Horizontal Align					9	9								
Vertical Alignme					9	9								
Roadway Width	ı (m)		11.000											
Embankment					7	7								
Sideslope (:1)		3.0											
(Height of Co	ver(m) :	0.9)												
Guardrail (Y/N)			No											
Approach Roa	d / Eml	bankme	nt General Rat	ing	9	9								
						Upstre	am Enc							
Culvert Compo	nent				Last	Now	Explai	nation of	Condi	tion				
Direction			S											
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL											
Headwall					Х	Х								
Collar					Х	Х								
Wingwalls					Х	Х								
(Shape:)														
Cutoff Wall					Х	X								

01913 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	Explanation of Condition
	0	0	0	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400		Ι_	
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)			1	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Bri	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			· · ·
Barrel Last Accessible Date	09-Dec-2012		,	Ice covered floor- approx 800mm
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	7	
	1650	IN		
Measured Rise (mm)	1650			Estimated
Measured At Ring No.	3			Estimated
Sag (mm)	100			
Percent Sag	5		Ι.	
Sidewall	1	N	6	
Measured Span (mm)	2590			
Measured At Ring No.	3			
Deflection (mm)	100			
Percent Deflection	4		,	
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	7	
Separation (mm)	0			
Longitudinal Seams		N	6	
Total No. of Cracked Rings	0	14		
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	No			
	No			
Longitudinal Stagger (Y/N)	INO			0 6:1
Coating	1	6	6	Superficial corrosion.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			

		Bric	ige Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa): 2490	, Rise (mm): 1750, Type: SPE)
Fish Passage Adequacy		Х	X	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		4	4	(Backing up at D/S scour pool.) 1992/11/20
Icing (Y/N)	Yes			(100mm of silt.) 1992/11/20 roce build up at D/S- 400mm to top of pipe.
Silting (Y/N)	Yes			lice build up at 5/3- 400mm to top of pipe.
Drift (Y/N)	No			
Barrel General Rating		4	6	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		X	X	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		6	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		4	4	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		4	4	0.3m scour at invert - 0.6m deep 3m D/S. Not causing any problems. Grassed In.
Beavers (Y/N)	No			
Downstream End General Ratin	ng	4	4	
		s	tructur	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading AGGRADING				Silting U/S
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		8	8	

		Ma	aintenance Recomme	ndations					
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	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 44.4/	Sufficiency (%)	Rating (Last/Now)	47.8/57.8	Est. Repl. Yr	2025 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		i i	Estimated Tota	I 0	
Proposed Long-Term Strategy								,	
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Tim Davies		us Assistant's Name	Assistant's Name					
Next Inspection Date	09-Sep-2017		Inspection Date 18-Sep-2007						
Inspection Cycle (Default) (months)	57								
Comment									