					Bridg	ge Culve	ert Insp	ection						
Bridge File Number 73536 -1 Bridge Culvert					Form Type			CUL1						
Year Built 1974					Lot No.			4						
Bridge or Town	Name	MAGRA	ATH		Inspector Name			!	Jon Davies					
Located Over		MID - II	RRIGATION C,	WATERC	RS-IC		Inspector Class			BR CLS B				
Located On		5:04 C1	1 35.424				Assistant Name							
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	'ear						Inspection Date			04-Oct-2011				
Legal Land Loc	ation	SW SE	C 21 TWP 5 RGE 22 W4M				Data Entry By			Erin Roberts				
		:06, 49:23:45				Data Entry Date			17-Nov-2011					
		Transportation (AIT)					ver Name	•	Garry Roberts					
Contract Main. Area CMA25		j		Review Date			10-Nov-2011							
Clear Roadway/Skew 13.5 / -30		30 deg. (LHF)		Dept. Reviewer Name										
		• • • • • • • • • • • • • • • • • • • •				Dept. Review Date			21-Nov-2011					
Road Classifica	ation	RAU-2						-Up By						
Detour Length	(km)	3					, ,							
Bridge Culvert	Inform	ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 MAIN - 1524		1524		MP		34.7		68X13		ROUND				
Special Features														
Special Features Comment														
Littlitus Attaches	unda.				Ut	ilities (L	_ocated	at)						
		حاد عاد					Gas		1					
	ADT/Year 2,480 / 2010 (A) Road Classification RAU-213-130 Retour Length (km) 3 Ridge Culvert Information Rimber of Culverts 1 Ripe # Barrel Span Rise (or MAIN - 1524 Recial Features Recial Features Comment Rility Attachments Relephone South ditch Rower 4 wire North Ribers Fibre optics @ South R/W Remarks Remarks Remarks Remarks Read Residual R													
					Municipal Problem (Y/N) No									
	Fibre	optics @	South R/VV				Problei	m (Y/N)	INO					
Remarks				۸۰	oproo	oh Book	d / Emb	ankmant						
				A	Last	Now	/ Embankment Explanation of Condition							
Horizontal Align	nment				7	7	LRA int 125 m SW.							
		8	7					1.5.0						
Vertical Alignment					North of shoulder THRU 80			crosses channel 5.0 m I 800 mm DIA CSP.						
Roadway Width (m) 13.500														
,														
Embankment						8								
Sideslope (_:1)		4.0				-							
(Height of Co	ver(m) :	1.5)												
Guardrail (Y/N)			No											
Approach Roa	d / Emk	hankmo	nt General Pat	ina	7	7								
Approach Roa	ia / Liiik	Jankine	in General Kat	g	1	•								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion				
Direction					S									
End Treatment (Concrete, Steel, STEEL Others, None)				_										
Headwall			Х	X										
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)														
Cutoff Wall					X	X	1							

			Lleatus	on End
Culvert Component		Last	Now	am End Explanation of Condition
Bevel End		Last 5	NOW	Not visible due to high water level
Heaving (mm)	0	3	IN	PR 5
	BELOW			Unable to confirm
	100			Onable to commit
Above/Below (mm)	100	F	l N	PR 5
Scour Protection		5	N	PRS
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				DD 5
Scour/Erosion		5	N	PR 5
Beavers (Y/N)	No			
Upstream End General Rating		5	5	G.R. carrried forward
		Brio	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa			, Rise (mm): 1524, Type: MP)
Barrel Last Accessible Date	28-Nov-2009			Not accessible due to high water level
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	N	PR 6
Measured Rise (mm)	1459	0	111	
Measured At Ring No.	1			
Sag (mm)	65			
Percent Sag	4			
Sidewall	4	6	N	PR 6
	1575	0	IN	PKO
Measured Span (mm) Measured At Ring No.	1			
	51			
Deflection (mm)				
Percent Deflection	3			DD 5
Floor		5	N	PR 5
Bulge (mm)				
Measured At Ring No.	Vac			-
Abrasion (Y/N)	Yes	_		(D: #4) 00 N 0000
Circumferential Seams	00	5	N	(Ring # 1) 28-Nov-2009 PR 5
Separation (mm)	30			· ·
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		5	N	PR 5
Corrosion By Soil (Y/N)	No			(SOME PITTED RUST @ LOWER Half) 28-Nov-2009
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			No sight line
Ponding (Y/N)	No			

		Bric	lge Cu	ulvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm):	, Rise (mm): 1524, Type: MP)				
Fish Passage Adequacy		X	7					
Baffle		Х	Х					
(Type :)								
Waterway Adequacy		6	6					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		6	N	PR 6				
		D		ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N		North.				
End Treatment (Concrete, Steel, Others, None)	STEEL		I					
Headwall		X	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		5	N	(Some pitted rust) 28-Nov-2009				
Heaving (mm)	0			Not visible due to high water level				
Invert Above/Below Stream Bed				Unable to confirm				
Above/Below (mm)	0							
Scour Protection		6	6	Scour protection in grown				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		6	6					
Beavers (Y/N)	No							
Downstream End General Ratin	ng	5	5	GR carried forward				
				Ire Usage Explanation of Condition				
Channel (U/S and D/S)		Last	Now	Explanation of Condition				
Alignment		7	7	Hwy ditch CSP crosses channel 3m North				
Bank Stability		5	5	VERTICAL BANKS D/S) Vegetation grown in				
HWM (m below Top of Culvert)			ı	None visible				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

			laintananaa Daaamma	a dati a na					
Inapastar Dagammandations	Year	Inspector Comments	laintenance Recomme	Department Com	manta	-	Target Year	Est. Cost	Cot
Inspector Recommendations	rear	inspector Comments		Department Com	iments		rarget rear	ESI. COSI	Cat #
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO)FF								
REPAIR SEAMS	21.1								
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 66.7/55	Sufficiency (%)	/ Rating (Last/Now)	62.8/57.9	Est. Repl. Yr	2026	Maint. Red	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		Es	timated Total	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Jason Rusu		Previou	s Assistant's Name					
Next Inspection Date	04-Jul-2013		Previou	s Inspection Date	28-Nov-2009				
Inspection Cycle (Default) (months)	21								
Comment									