					Brida	e Culve	ert Inspe	ection						
Bridge File Number 74366 -2 Bridge Culvert			Dilag	o carre				CUL1						
Year Built 2002			<u> </u>					4						
Bridge or Town	Name	ENTWIS	WISTLE			Inspector Name		Wade Nanninga						
Located Over			DER TRIBUTA	ARY TO N	иіsно	W	<u> </u>	tor Class		BR CLS A	<u> </u>			
		CREEK, 6.135.2.1, WATERCRS-ST					Assistant Name							
Located On		22:30 C	1 29.878				Assista	Assistant Class						
Water Body Cl./	Year						Inspection Date		30-Sep-2011					
Navigabil. Cl./Ye						Data Entry By		Theresa Lacusta						
Legal Land Loca	ation	NW SEC	C 33 TWP 50 RGE 7 W5M			Data Entry Date		26-Oct-2011						
Longitude, Latitu	ıde	-114:58:	36, 53:21:42				Reviewer Name		Eric Carcoux					
Road Authority			Transportation	(AIT)			Review Date		25-Oct-2011					
Clear Readway/Skow 11 / 30 d							Dept. Reviewer Name		Brent Herrick					
Clear Roadway/	DT/Year 4,450 / 2		deg. (LHF)			Dept. Review Date		14-Nov-2011						
AADT/Year		_	` ,				Follow-	-Uр Ву						
Road Classificat	tion	RAU-21	1.8-110											
Detour Length (I		3												
Bridge Culvert														
Number of Culve		1	•			_					- 1.70			
Pipe #	Barrel	8	Span	Rise (or	Dia.)	Type	Length		Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN			2740		SP					ROUND			
Special Features				27.10		, o.		00.00		102/01 0.0 10000				
Special Features		ment												
Opoolai i cataro	0 001111	none.												
					Uti	ilities (L	ocated	at)						
Utility Attachmer	nts													
Telephone West & East r/w.						Gas								
Power		es East r/w, 25m from c/l.						lunicipal						
Others File tag @ West end.						Proble	m (Y/N)	No						
Remarks	Aband	doned cal	ole going throu	•										
				Α			d / Embankment							
III · · · · IAI				Now	Explanation of Condition									
Vertical Alignme	Horizontal Alignment			7	6	2 residence entrances North & South. Horizontal curve 500m North.								
			10.800		/	/								
Roadway Width	(111)		10.600											
Embankment					4	6	4 1/2:1	on east s	ide.					
Sideslope (:	:1)		2.0											
(Height of Cov	er(m) :	4.7)]							
Guardrail (Y/N)			Yes				Guardrail on West side only. Minor creasing, still functional.							
						Ι								
Approach Road	d / Emi	bankmen	t General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	nent				Last									
Direction			W											
End Treatment (Others, None)	(Concre	ete, Steel	CONCRETE											
Headwall					9	9								
Collar			8	8	Minor	chip @ SW	٧.							
Wingwalls			Х	Х										
(Shape:)														
Cutoff Wall				N	N									

			Unetre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	Explanation of Condition
Heaving (mm)	0	0	0	
Invert Above/Below Stream Bed				
	400			
Above/Below (mm)	400	0		
Scour Protection		8	8	
(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			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,	Span (mm	1):	, Rise (mm): 2740, Type: SP)
Barrel Last Accessible Date	30-Sep-2011			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		<u> </u>		
Roof		8	8	
Measured Rise (mm)	2750			l laws and
Measured At Ring No.	8			Upward.
Sag (mm)	10			
Percent Sag	0			
Sidewall		8	8	
Measured Span (mm)	2720			
Measured At Ring No.	8			Inward deflection.
Deflection (mm)	20			
Percent Deflection				
Floor		N	N	
Bulge (mm)	0	IN	1 1 1	Gravel along floor
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	140	8	8	
Separation (mm)	0	0	0	
	U	0	0	
Longitudinal Seams Total No. of Cracked Rings	0	8	8	
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				2N
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Minor superficial on floor.
Corrosion By Soil (Y/N)	No	U		
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	POS			
Ponding (Y/N)	No			

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm):	, Rise (mm): 2740, Type: SP)						
Fish Passage Adequacy		8	8							
Baffle		8	8							
(Type : SPOILER)										
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		8	8							
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		E								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar		X	X							
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		Х	Х							
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		8	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 250)										
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	8	8							
		s	tructur	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)		I								
Alignment		5	5	Sharp bend 30m U/S of pipe.						
Bank Stability		5	5							
HWM (m below Top of Culvert)				No HWM visible.						
Drift (Y/N)	Yes									
Channel Bottom Degrading/Aggrading	DEGRADING									
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		5	5							

		Maintenand	ce Recommendations						
Inspector Recommendations	Year	Inspector Comments		ment Comme	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							3		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 88.9/88	.9 Sufficiency Rating (I (%)	_ast/Now) 85.0/85.0) E	Est. Repl. Yr	2054	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Depart Comm	ment ents					
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	Kris Bosters		Previous Assistan	's Name	Sara Wadlow				
Next Inspection Date	30-Jun-2013		Previous Inspection	n Date	05-Nov-2009				
Inspection Cycle (Default) (months)	21								
Comment									