Bridge Culvert Inspection												
Bridge File Nun	nber	per 02350 -1 Bridge Culvert			J	Form Type			CUL1			
Year Built 1961					Lot No	• •		2				
Bridge or Town Name ST. VINCENT						Inspector Name		Wade Nanninga				
Located Over YELLING CREEK, 7.1		2.4.3. WATERCRS-ST		· ·	Inspector Class		BR CLS B					
Located On 881:16 C1 0.498						Assistant Name		DIC GEO D				
Water Body Cl./Year						Assistant Class						
Navigabil. Cl./Y							Inspection Date		10-Sep-2010			
Legal Land Loc		SW SE	C 15 TWP 60 R	GE 9 W4M			Data Entry By		Theresa Lacus	sta		
Longitude, Latit		-111:16	6:41, 54:11:06		Data Entry Date		06-Oct-2010					
						•		Arnold Assenheimer				
·		CMA08	1 / /				Review Date		20-Sep-2010			
Clear Roadway	/Skew	8 / -30							Brent Herrick			
AADT/Year		880 / 20					Dept. Review Date		14-Oct-2010			
Road Classifica	ition	RCU-20	08-110			Follow	-Up By					
Detour Length ((km)	3										
Bridge Culvert	Inform	ation										
Number of Culv	erts		1									
Pipe #	Barrel		Span Rise (or D		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		2314	2552	SPE		30.5		152X51	3.5	ELLIPSE	
Special Feature	s											
Special Feature	s Com	ment										
				1	4: :4:oo /		~4 \					
Utility Attachme	ntc			,	Itilities (L	_ocateo	at)					
Telephone	East r	·/›ʌ/				Gas	Gas					
Power							Municipal					
Others	Z WIIG	s west i/w.					Problem (Y/N) No					
Remarks File tag installed in top of roof, West en				West end		1 TODIC	111 (1714)	140				
Romano	T HO to	ig motan	od iii top oi iooi		ach Roa	d / Emb	ankment					
				Las			nation of		tion			
Horizontal Alignment			7	7		Accesses to North & South.						
Vertical Alignme	Vertical Alignment		8	8	Hwy 28	3 500m S	outh					
D 1 145 141	()		0.000									
Roadway Width	ı (m)		8.000									
Embankment			·	8	8							
Sideslope (:1)		3.0									
(Height of Co		: 1.2)										
Guardrail (Y/N)			No									
			_									
Approach Roa	d / Eml	bankme	nt General Rati	ing 7	7							
					Upstre	am End						
Culvert Compo	nent			Las			nation of	Condi	tion			
Direction				W		•						
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL									
Headwall		X	X									
Collar			X	Х								
Wingwalls			X	X								
(Shape:)												

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			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall	1	X	X	Explanation of condition
Bevel End			5	1 bolt & couple nuts missed on North side.
Heaving (mm)	150	6		
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection	200	5	5	Trees/shrubs blocking inlet.
(Type : NATURAL)				Trees/strubs blocking micr.
(Avg. Rock Size(mm):)				
Scour/Erosion		5	5	
		Ů		
Beavers (Y/N)	No			
Upstream End General Rating		6	5	
		Brid	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,			
Barrel Last Accessible Date	10-Sep-2010			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type :)				
Roof		5	5	
Measured Rise (mm)	2440			
Measured At Ring No.	8			
Sag (mm)	112			
Percent Sag	4			
Sidewall		4	3	Cracked seam in one side in 3 rings.
Measured Span (mm)	2420			
Measured At Ring No.	8			
Deflection (mm)	106			
Percent Deflection	5			
Floor		6	N	500mm water
Bulge (mm)	0			1
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	0			1
Longitudinal Seams		4	3	All cracks at 3:00 on South side of pipe. Ring 7 worst.
Total No. of Cracked Rings	3			#7, 8, 9 rings - photos. No change in crack measurements this
Total No. of Rings with Two	0			inspection.
Cracked Seams				2 rows under water and unable to inspect.
Min. Remaining Steel Between Cracks (mm)	70			1N
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	5	Superficial rust along the floor and lower sidewall12-Jun-2007
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Dric	dao Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	⊥ tion Code: MAIN, Spa			
Ponding (Y/N)	Yes		,- =	Debris @ both ends causing 0.8m ponding in barrel.
Fish Passage Adequacy		Х	4	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating		4	3	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		4	4	
(Type : NONE)				
(Avg. Rock Size(mm):)			1	
Scour/Erosion		4	4	Large scour hole @ end of bevel - stable.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	4	4	
		s	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	D/S channel sharp bend to South.
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			THE THE VIOLET.
Channel Bottom Degrading/Aggrading	. 50			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :				
Channel General Rating	,	5	5	

Structure Usage							
	Last	Now	Explanation of Condition				

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			Maintenance R	ecommend	lations					
Inspector Recommendations	Year	Year Inspector Comments			Department Com	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	2010	Clean debris both ends.								
OTHER ACTION	2010	Replace m	nissing nut at u/s end.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 44.4/3	Sufficiency Rating (Last/		/Now)	56.7/44.2	Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	Yes
Special Monitor cracked seams, deflections, and scour. Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		ı	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Dave Lam			Assistant's Name						
Next Inspection Date	10-Dec-2013 Pre				vious Inspection Date 12-Jun-2007					
Inspection Cycle (Default) (months)	39									
Comment										