Bridge or Town Name   TAMSENT   Inspector Name   Russel Vanderschaaf   BR CLS B						Brida	e Culve	ert Inspe	ection					
Vear Built   1979	Bridge File Num	ber	79271 -1	1 Bridae Culve		-Heg	CCUIV				CUL1			
Bridge or Town Name   TANGENT														
Located Over										· ·				
Marter Rophy CL/Vear   Marker Body CL/Vear   Making Body Body Body Body Body Body Body Body	Located Over TRIBUTARY TO SMOKY				KY RIVER	RIVER, 8.10.58.5,			· ·					
Marcian   Assistant Class   Assistant Class   Assistant Class   Carlo   Carl	WATERCRS-ST					, ,		·						
Navigabl   CLY6ar   Legal Land Location   NW SEC 3 TWP 79 RGE 24 WSM   Data Entry By   Thereas Lacusta	Located On 740:02 C1 11.487													
Data Entry By										08-Nov-2011				
Longitude, Latitude								·						
Road Authority			NW SEC	C 3 TWP 79 RC	3E 24 W5I	M		Data Entry Date		14-Dec-2011				
Contract Main. Area		ıde		·				Reviewer Name						
Clear Roadway/Skew   7.8 /				Transportation	(AIT)			Review Date						
AADT/Year 330 / 2010 (A)								Dept. Reviewer Name		Steve Pasquar	า			
Collect Length (km)   Strict		Skew								10-Jan-2012				
Detour Length (km)   3		-						·						
Bridge Culvert   Information				8-110				-						
Number of Culverts														
Pipe #   Barrel														
MAIN					D: ( -		_				0 5 :::	DI (C)		
1	Pipe#	Barrel		Span	Rise (or E	Dia.)	Туре		Length		Corr. Profile		Shape	
Special Features   Special Features   Comment	1	MAIN	2	2450	1750		RPP		21.9		152X51		PIPE ARCH	
Utility Attachments												1		
Utility Attachments Telephone 13m WEST OF CENTRELINE - Buried. Gas Power 14m EAST OF CENTRELINE: 2W OH Municipal Others Remarks    Approach Road / Embankment			ment											
Utility Attachments	1													
Telephone						Uti	ilities (L	ocated	at)					
Power		· ·								1				
Problem (Y/N)   No														
Approach Road / Embankment		14m E	AST OF	CENTRELINE	: 2W OH									
Approach   Road   Embankment								Proble	m (Y/N)	No				
Last   Now   Explanation of Condition	Remarks													
Horizontal Alignment											Van.			
Vertical Alignment	Harizantal Alian	mont						Expian	ation of	Condi	tion			
Approach 50m N & S Delineater post installed  Roadway Width (m)  7.800  Embankment  N 7 Sideslope (_:1) (Height of Cover(m) : 1)  Guardrail (Y/N)  No  Approach Road / Embankment General Rating  Upstream End  Culvert Component Last Now Explanation of Condition  Direction  End Treatment (Concrete, Steel, Others, None)  Headwall  X X  Wingwalls  Approach 50m N & S Delineater post installed  Approach 50m N & S Delineater post installed								-						
Delineater post installed	vertical Alignine	TIL				9	0							
Roadway Width (m)   7.800								Approa	ch 50m 1	V & S				
Embankment N 7 Sideslope (_:1) 3.0 (Height of Cover(m):1) Guardrail (Y/N) No  Approach Road / Embankment General Rating 8 7  Upstream End Culvert Component Last Now Explanation of Condition  Direction W  End Treatment (Concrete, Steel, Others, None)  Headwall X X  Wingwalls X X  Wingwalls				T=				Delinea	ater post	installe	d			
Sideslope (_:1)   3.0	Roadway Width	(m)		7.800										
(Height of Cover(m) : 1)  Guardrail (Y/N)  Approach Road / Embankment General Rating  Upstream End  Culvert Component  Direction  End Treatment (Concrete, Steel, Others, None)  Headwall  Collar  X  X  Wingwalls  No  Explanation of Condition  X  X  X	Embankment					N	7							
(Height of Cover(m) : 1)  Guardrail (Y/N)  Approach Road / Embankment General Rating  Upstream End  Culvert Component  Direction  End Treatment (Concrete, Steel, Others, None)  Headwall  Collar  X  X  Wingwalls  No  Explanation of Condition  X  X  X														
Guardrail (Y/N)  Approach Road / Embankment General Rating  Upstream End  Culvert Component  Last Now Explanation of Condition  Direction  W  End Treatment (Concrete, Steel, STEEL  Others, None)  Headwall  X X Wingwalls  X X  Wingwalls		•	1)											
Upstream End  Culvert Component Last Now Explanation of Condition  Direction W  End Treatment (Concrete, Steel, Others, None)  Headwall X X  Collar X X  Wingwalls X X	Guardrail (Y/N)			No										
Upstream End  Culvert Component Last Now Explanation of Condition  Direction W  End Treatment (Concrete, Steel, Others, None)  Headwall X X  Collar X X  Wingwalls X X	,	–					T _							
Culvert Component  Direction  End Treatment (Concrete, Steel, Others, None)  Headwall  Collar  X  X  Wingwalls  Last Now Explanation of Condition  Explanation of Condition  X  X  X  X  X	Approach Road	d / Emb	oankmen	it General Rat	ing	8	7							
Culvert Component  Direction  End Treatment (Concrete, Steel, Others, None)  Headwall  Collar  X  X  Wingwalls  Last Now Explanation of Condition  Explanation of Condition  X  X  X  X  X							Upstre	am End						
Direction W  End Treatment (Concrete, Steel, STEEL Others, None)  Headwall X X  Collar X X  Wingwalls X X	Culvert Compo	nent						1		Condi	tion			
Others, None)  Headwall  X  X  Collar  X  X  Wingwalls  X  X	Direction					W								
Collar X X Wingwalls X X	End Treatment ( Others, None)	Concre	ete, Steel	, STEEL										
Wingwalls X X	Headwall					Х	X							
	Collar					X	X							
(Shape: )	Wingwalls					X	X							
	(Shape: )													

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		Х	Х	
Bevel End		N	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	50			-
Scour Protection	100	N	4	Scour on south side and below pipe.
(Type : RIP RAP)			<u> </u>	~100mm under pipe.
(Avg. Rock Size(mm) : <b>400</b> )				
Scour/Erosion		N	4	Bevel unsupported for 1.3 m.
Beavers (Y/N)	No			
Upstream End General Rating		3	4	
oponoum zna oonorar kaning				
Culvert Correct Correct				Ivert Barrel
Culvert Component	tion Code: MAIN 6			Explanation of Condition
(Pipe # : 1, Primary Span, Local		opan (mm	i): 2450	n, Kise (inim): 1750, Type: KPP)
Barrel Last Accessible Date	08-Nov-2011			
Special Features				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		7	6	
Measured Rise (mm)	1717			
Measured At Ring No.	4			
Sag (mm)	33			
Percent Sag	2			
Sidewall		7	6	
Measured Span (mm)	2456			
Measured At Ring No.	4			
Deflection (mm)	6			
Percent Deflection				
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	0			1
Longitudinal Seams		7	6	1 row of bolts straight down the
Total No. of Cracked Rings	0	,	, ,	center of top of pipe.
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		5	6	Superficial rust on floor.
Corrosion By Soil (Y/N)	No			1 '
Corrosion By Water (Y/N)	Yes			1
Camber POS/ZERO/NEG	ZERO			
Jambol 1 Jo/LENO/NEG				

		Brid	lge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	): 2450	, Rise (mm): 1750, Type: RPP)
Ponding (Y/N)	No			
Fish Passage Adequacy		4	4	u/s & d/s end above streambed.
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		5	5	Scour at inlet & outlet.
Icing (Y/N)	No			1200 mm CSP 6m south of pipe.
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	6	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		X	Х	
Bevel End		N	5	Superficial damage
Heaving (mm)	100/5			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm) Scour Protection	1250	NI.		
		N	3	
(Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>400</b> )				
Scour/Erosion		N	3	Bevel unsupported for 1.5 m.
Beavers (Y/N)	No			
<u> </u>				
Downstream End General Ratio	ng	3	3	
				re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		T .		
Alignment		6	6	
Bank Stability			6	Vertical banks d/s sloughing.
HWM (m below Top of Culvert)				HWM not 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		5	6	

			Maintenance F	Recommen	dations					
Inspector Recommendations	Yea	ar Inspe	ctor 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 (%)	low) 77.8	8/66.7	Sufficiency Rating (Las (%)	t/Now)	56.0/52.6	Est. Repl. Yr	2022	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection	's and d/s sco	our-27-Jul-2	002		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 Bria		Brian Pientsch Previous				Assistant's Name Jordan Evans				
Next Inspection Date	08-Feb-201	08-Feb-2015 Previous				04-Feb-2009				
Inspection Cycle (Default) (months)	39									
Comment										