Bridge Culvert Inspection													
Bridge File Nun	Bridge File Number 73865 -1 Bridge Culvert						Form Type			CULM			
Year Built 1952							Lot No.			4			
Bridge or Town Name MYRNAM								tor Name		Jason Saly			
Located Over						Inspector Class		BR CLS A					
Located On 45:08 C1 37.697							Assistant Name						
Water Body CI./Year							Assistant Class						
Navigabil. CI./Y	ear						Inspection Date Data Entry By		22-Jan-2013				
Legal Land Location SW SEC 13 TWP 54 RGE 9 W4M					1		Data Entry Date		Marcia Chavez 28-Feb-2013				
Longitude, Latit	:18, 53:39:28	30.28				Reviewer Name		John O'Brien					
Road Authority		Transportation (AIT)					Review Date		13-Feb-2013				
Contract Main.	Area					Chris Black							
Clear Roadway/Skew 8 / 0 deg.			g.		Dept. Review Date		14-Mar-2013						
AADT/Year 580 / 201			11 (A)				Follow						
Road Classifica		RAU-20	9-110				-						
Detour Length		6											
Bridge Culvert													
Number of Culv			2	D: (5		-				0 0			
Pipe #	Barrel		Span	Rise (or D	ia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
	MAIN		-	1500		SP		28.7		152X51	2.8	ROUND	
	MAIN		-	914		MP		24.4		68X13	2.8	ROUND	
Special Feature													
Special Feature	es Comr	ment											
					Uti	ilities (l	ocated	at)					
Utility Attachme	ents												
Telephone	South	ditch.			Gas Crosses Hwy 16m West of sec span.								
Power	3 wire	OH 25m		Munici	cal								
Others	1 line	OH N/S				Proble	m (Y/N)	No					
Remarks													
Approach Road / Embankment													
					.ast	Now		ation of (
Horizontal Alignment				7	7	R/W superelevated over culverts in long curve. Slight blind crest curve							
Vertical Alignme	ent				6	6	to East	. No pass	ing EE	B. Intersection 7	5m West.		
Roadway Width	n (m)		8.000										
Embankment					6	N	Cover on MP 1.95 m.						
Sideslope (_:1)		3.0				Snow covered, but no signs of problems.						
(Height of Co		3.1)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	bankmer	nt General Rat	ing	6	6							
				-			am End						
Culvert Compo		Dul		L	.ast	Now	Explan	ation of (Condi	tion			
(Pipe # : 1, Spa	an Type	e: Prima	ry span)				E control of						
Direction End Treatment Others, None)	(Concre	ete, Stee	I, STEEL		5		East pi	pe.					
Headwall					Х	X							
Collar					Х	X							
Wingwalls				Х	X								
(Shape :)							1						
(Onape.)						Page	1 of 6						

Culvert Component		L cot		am End Explanation of Condition
Culvert Component (Pipe # : 1, Span Type: Primary	v Snan)	Last	NOW	Explanation of Condition
Cutoff Wall		X	X	
		^	^	
Bevel End		6	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			(03/03/25)
Above/Below (mm)	200			
Scour Protection		7	N	(Well vegetated. 07Jun2011) - Snow covered.
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	Snow covered.
Beavers (Y/N)	No		_	
Upstream End General Rating		6	N	GR was 6 from 07Jun2011.
Output Opening i				Ivert Barrel
Culvert Component	tion Coder MAINI (
(Pipe # : 1, Primary Span, Loca		span (mr	1):	, Rise (mm): 1500, Type: SP)
Barrel Last Accessible Date	17-Aug-2009			Ice within 500mm of roof at N end & 1.0m at S end; shape appears adequate.
				· ·
Special Features				
Special Feature				-
(Type:)				_
Special Feature				-
(Type:)				
Roof	1	N	N	(Rise U/S1490, < 1%. Mid 1540, 1480. 21Oct99).
Measured Rise (mm)				- ''''
Measured At Ring No.	90			Estimate (03/03/25)
Sag (mm)	80			-
Percent Sag			N	Weidewall averational 4.4 from LVO and of howel 200mm dia minor
Sidewall	1565	N	N	W sidewall punctured 1.4 from U/S end of barrel, 300mm dia - minor. (At mid span. 17Aug2009).
Measured Span (mm) Measured At Ring No.	1505			
Deflection (mm)	65			(4.3%. 17Aug2009).
Percent Deflection	4			-
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				-
Abrasion (Y/N)	No			
Circumferential Seams		N	N	
Separation (mm)	0			
Longitudinal Seams	1-	N	N	(0.8m deep water.
Total No. of Cracked Rings	0			It appears this structure was extended with a 5% VE to the S. The
Total No. of Rings with Two Cracked Seams				transition from a round pipe to 5% VE resulted in some loose bolts & a flat seam at ring 4 at 2 o'clock. 17Aug2009).
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			1N
Longitudinal Stagger (Y/N)	Yes			
Coating		N	N	(Superficial rust along strip of floor. 1999/10/21).
Corrosion By Soil (Y/N)	Yes			(Spot corrosion on roof/sidewall. 17Aug2009).
Corrosion By Water (Y/N)	Yes			

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last Now		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1500, Type: SP)						
Camber POS/ZERO/NEG	ZERO			(03/03/25)						
Ponding (Y/N)	Yes			(~1m water at midpipe. 07Jun2011).						
Fish Passage Adequacy		6	6							
Baffle		Х	X							
(Туре:)			_							
Waterway Adequacy		6	6							
Icing (Y/N)	No			-						
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		4 4		GR carried forward from 17Aug2009 based on sidewall rating.						
		D	ownst	ream End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Span Type: Primary	v Span)									
Direction		N		Bevel end immersed in water.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar			Х							
Wingwalls		X	Х							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		N	N	(East side of bevel toe is bent. 03/03/25).						
Heaving (mm)	0			(Bevel end immersed in water & covered by vegetation. 07Jun2011) - Snow covered.						
Invert Above/Below Stream Bed	BELOW			(03/03/25)						
Above/Below (mm)	400									
Scour Protection		5	N	(Minimal riprap visible, well vegetated. 07Jun2011) - Snow covered.						
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 300)		1								
Scour/Erosion		5	N							
Beavers (Y/N)	No									
Downstream End General Ration	ng	5	N	GR was 5 from 07Jun2011.						
				am End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)	1								
Direction	I	S		6.5m West of primary span.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		Х	X							
Wingwalls		Х	X							
(Shape :)										
Cutoff Wall		X	X							

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	lary Span)								
Bevel End		6	N	(Bevel overgrown with weeds/grass. 07Jun2011).					
Heaving (mm)	0								
Invert Above/Below Stream Bed	ABOVE			(03/03/25)					
Above/Below (mm)	1000								
Scour Protection		6	N						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		6	N						
Beavers (Y/N)	No								
Upstream End General Rating	1	6	N	GR was 6 from 07Jun2011.					
Culuert Commence				Ivert Barrel					
Culvert Component	Code: MAINL	Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo		span (r	nm):	, Rise (mm): 914, Type: MP)					
Barrel Last Accessible Date	05-Sep-2006			6.5m West of SP. Viewed from ends; shape appears adequate.					
Special Features									
Special Feature									
(Туре :)									
Special Feature									
(Туре :)									
Roof		N	N	Roof appears in good condition.					
Measured Rise (mm)									
Measured At Ring No.									
Sag (mm)	0								
Percent Sag									
Sidewall		N	N	Sidewalls appear in good condition.					
Measured Span (mm)									
Measured At Ring No.									
Deflection (mm)	0								
Percent Deflection									
Floor		N	N	(Floor appears in good condition. 05Sep2006.					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		N	N	(05/Sept/2006)					
Separation (mm)	30								
Longitudinal Seams		X	Х						
Total No. of Cracked Rings									
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)				1					
Longitudinal Stagger (Y/N)				1					
Coating		6	5	Viewed from ends.					
Corrosion By Soil (Y/N)	No		5						
Corrosion By Water (Y/N)	Yes			1					
Camber POS/ZERO/NEG	ZERO								
Gamber 1 00/2ERO/NEG									

Bridge Inspection & Maintenance System (Web 2005)

73865 -1 Bridge Culvert

Bridge Culvert Barrel								
Culvert Component			Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 914, Type: MP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		X	X					
Baffle		X	Х					
(Туре :)								
Waterway Adequacy		5	5	Structure serves only as an overflow culvert to supplement primary				
Icing (Y/N)	No			span.				
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating			N	GR was 5 from 05Sep2006.				
		D	ownsti	ream End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	Х					
Collar			X					
Wingwalls		X	X					
(Shape :)								
Cutoff Wall		X	X					
Bevel End		6	N					
Heaving (mm)	0							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm) 1450								
Scour Protection		6	N					
(Type : RIP RAP)				_				
(Avg. Rock Size(mm) : 300)		1	1					
Scour/Erosion		6	N					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	6	N	GR was 6 from 07Jun2011.				
		S	structu	re Usage				
		Last		Explanation of Condition				
Channel (U/S and D/S)								
Alignment		7	7					
Bank Stability			7					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading				Unknown.				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Com	iments		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC)FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	44.4/44.4	.4 Sufficiency Rating (Last/No (%)	ow) 5	52.6/51.5	Est. Repl. Yr	2020	Maint. Reqd. (Y/N)		No		
Special Comments for Next Inspection					Department Comments							
Maintenance Reviewed By					Date		E	stimated Total	0			
Proposed Long-Term Strategy					· · · · ·							
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Jason S	Saly	F	Previous A	is Assistant's Name							
		2014	F	Previous I	ous Inspection Date 07-Jun-2011							
Inspection Cycle (Default) (months)	21											
Comment												