					Brida	e Culve	ert Insp	ection					
Bridge File Number 73864 -1 Bridge Culvert							Form Type		CULE				
Year Built/Line		1952/20	-				Lot No			4			
Bridge or Town	n Name	RYCRO	OFT				Inspec	tor Name	,	Brian Pientsch			
Located Over		TRIBU	TARY TO SPIR	IT RIVER,	8.10.	72.6.5,	Inspector Class		BR CLS A				
		WATER	RCRS-ST					Assistant Name		Brian Cote			
Located On		49:04 C	C1 33.859				Assista	ant Class					
Water Body CI	./Year							tion Date		07-Jul-2011			
Navigabil. Cl./\	/ear						Data Entry By			Lisa Fairhurst			
Legal Land Loc	cation	NE SE						Data Entry Date		12-Aug-2011			
Longitude, Lati	tude		3:58, 55:45:44							Arnold Assenheimer			
Road Authority			Transportation	(AIT)			Reviev	v Date		13-Jul-2011			
Contract Main. Area CMA05									Name	Steve Pasqua	n		
Clear Roadway/Skew 12 /								Review Da		16-Nov-2011			
AADT/Year		2,390 /	2010 (A)					-Up By					
Road Classifica	ation	RAU-2	10-110					-1 ,					
Detour Length	(km)	3											
Bridge Culver	t Inform	nation	1										
Number of Cul	verts		2							I			
Pipe #	Barrel Span Rise (or Dia		Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
3	MAIN F		-	1600	MP		34			125X26	3.5	ROUND	
4	U/S		-	2000	MP			5.4		125X26	2.8	ROUND	
4	MAIN		-	1829	1829 SS			23.2			12.7	ROUND	
4	D/S		-	2000		MP		5.4		125X26	2.8	ROUND	
Special Feature	es												
Special Feature	es Comi	ment											
					I IA	lities (L	000100	ot\					
Litility Attachmy	onto				Oti	iities (L	<u>locatieu</u>	at)					
Utility Attachmo	South						Gas						
Power	3 o/h						Munici	nal					
Others	3 0/11	IN					Problem (Y/N) No						
Remarks							1 TODIC	111 (1/14)	110				
remans				Δn	nroac	ch Road	l / Emb	ankment					
					Last	Now		ation of		tion			
Horizontal Alig	nment				7	7	_	ccess 50					
Vertical Alignm					8	8							
Roadway Widt			12.000										
Embankment					9	9							
Sideslope (_	:1)		3.0										
(Height of Co		. 2.3)					-						
Guardrail (Y/N)			No										
Approach Roa	ad / Eml	bankme	nt General Rat	ing	7	7							
						Upstre	ı am Enc						
Culvert Comp	onent				Last			nation of	Condi	tion			
(Pipe # : 3 , Sp		e: Prima	ary Span)										
Direction	,,,		, ,		S								
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL										
Headwall					Х	X							

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Span Type: Primary	y Span)			
Collar		X	X	
(Pipe # : 3, Span Type: Primary Span)			Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	150			
Scour Protection		9	9	
(Type: RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		9	9	
Beavers (Y/N)	Yes			2m high beaver dam 10m u/s
Upstream End General Rating	ı.	9	9	
		Dt.	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 3, Primary Span, Loca	tion Codo: MAIN Sna			, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date		(11111)	<i>)</i> .	Not accessible. Viewed from ends
Barrel Last Accessible Date	27-Oct-2009			Not accessible. Viewed from ends
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		9	9	Shape looks good from ends
Measured Rise (mm)	1591			
Measured At Ring No.	3			
Sag (mm)	9			
Percent Sag	1			
Sidewall		9	9	
Measured Span (mm)	1615			
Measured At Ring No.	3			
Deflection (mm)	15			
Percent Deflection	1			
Floor		9	N	
Bulge (mm)	0			
Measured At Ring No.	9			
Abrasion (Y/N)	No			
Circumferential Seams	140	8	N	(At first coupler. 27 Oct 2009)
	60	0	IN	(At first coupler, 27 Oct 2009)
Separation (mm)	00	V	V	
Longitudinal Seams		X	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)				

		Bric	ge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1600, Type: MP)
Coating		9	9	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		5	7	(Inverts above streambed. 27 Oct 2009) Another dam d/s causing water backup
Baffle		Х	Х	<u> </u>
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		9	9	
Culvert Component				ream End
<u> </u>	· Cnan\	Last	NOW	Explanation of Condition
	Span)			
		N		
Others, None)	STEEL			
Headwall Collar Wingwalls (Shape:)		X	X	
Collar		Х	Х	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		Х	X	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Invert Above/Below Stream Bed ABOVE		9	9	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		9	9	
Beavers (Y/N)	Yes			30m d/s
Downstream End General Ratio	ng	9	9	
			Unstre	am End
Culvert Component		1		Explanation of Condition
(Pipe # : 4, Span Type: Second	ary Span)			
Direction		s		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 4, Span Type: Second	ary Span)			
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		9	9	
(Type: RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		9	9	
Beavers (Y/N) Yes				2m dam 10m d/s
Upstream End General Rating		9	9	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Lo	cation Code: U/S, Sp			, Rise (mm): 2000, Type: MP)
Barrel Last Accessible Date 27-Oct-2009			•	Not accessible, viewed from ends
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		9	9	Shape looks good as viewed from ends
Measured Rise (mm)	2026			(CL of CSP culvert @ u/s end. 27 Oct 2009)
Measured At Ring No.				
Sag (mm)	26			
Percent Sag	1			
Sidewall		9	9	
Measured Span (mm)	1958			(CL of CSP culvert @ u/s end. 27 Oct 2009)
Measured At Ring No.				
Deflection (mm)	42			
Percent Deflection	2			
Floor		9	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		Х	Х	
Separation (mm)				
Longitudinal Seams		Х	Х	
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)				

		Brid	dge Cu	Ilvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe #: 4, Secondary Span, Lo	ocation Code: U/S, Sp	an (mr	n):	, Rise (mm): 2000, Type: MP)
Coating		8	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin	ng	9	9	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 4, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1829, Type: SSP)
Barrel Last Accessible Date	28-Oct-2009			Not accessible. Viewed from ends
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1774			(CL of culvert SSP 27 Oct 2009)
Measured At Ring No.				
Sag (mm)	55			
Percent Sag	3			
Sidewall		8	8	
Measured Span (mm)	1839			(CL of culvert SSP 27 Oct 2009)
Measured At Ring No.				
Deflection (mm)	10			
Percent Deflection	1			
Floor		9	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	1.10	9	N	Rate welded seams.
Separation (mm)			- 11	Trate worded Scarris.
Longitudinal Seams		Х	X	
Total No. of Cracked Rings		^		
Total No. of Rings with Two				1
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				II.

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 4, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1829, Type: SSP)
Coating		N	X	No coating
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	ream End
Culvert Component		1	Now	Explanation of Condition
(Pipe # : 4, Span Type: Second	lary Span)			
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	N	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		9	9	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		9	9	
Beavers (Y/N)	Yes			Dam 30m d/s
Downstream End General Ratio	ng	9	9	
		9	truetu	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)				
Alignment		6	6	Two 90 degree bends u/s of inlets.
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			

Structure Usage								
		Last	Now	Explanation of Condition				
Channel Bottom Degrading/Aggrading	NONE							
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		6	6					

Inspector Recommendations SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP	Year	Inspector Comments	e Recommendations					
SHOTCRETE REPAIRS		THISPECIOI COMMENTS	Department Con	nments		Target Year	Est. Cost	Cat #
			•			<u> </u>		
I LAGE ADDITIONAL RIF RAF								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING								
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUTOF	F							
REPAIR SEAMS								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now (%)	v) 77.8/77	.8 Sufficiency Rating (La (%)	ast/Now) 85.8/85.8	Est. Repl. Yr	st. Repl. Yr 2075 M		qd. (Y/N)	No
Special Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Es	stimated Tota	I 0	
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Shane Hall		Previous Assistant's Name	vious Assistant's Name				
Next Inspection Date 0	07-Apr-2013 Previous Inspection Date 27-Oct-2009							
Inspection Cycle (Default) (months) 2	<u> </u>							