					Bride	a Culva	art Insne	ection					
Bridge File Nur						je Curv	T	t Inspection Form Type CULM					
Year Built			1984				Lot No.	•	1				
Bridge or Town	Name						1	or Name	Jason Saly				
Located Over	ritaino		CREEK, 6.5.8, \	NATERC	RS-S1			or Class	BR CLS A	i -			
Located On			C1 19.309	747112110		<u> </u>		nt Name	DI OLO / C				
Water Body CI	/Vear	033.04	01 13.303					nt Class					
Navigabil. Cl./\							Inspection Date		29-Nov-2012				
		CW/ CE/	C 28 TWP 52 R	OE 4 WA	N /	·			Marcia Chave	-			
Legal Land Lot			::47, 53:30:56	GE 4 VV4	·IVI	, ,				·Z			
Longitude, Lati				/ A I T \		Data Entry Date Reviewer Name			14-Jan-2013				
Road Authority			Transportation	(AII)				Reviewer Name John O'Brien Review Date 14-Dec-2012					
Contract Main.		CMA15	·							14-Dec-2012 Andrew Smikles			
Clear Roadway	//Skew	10.6 /	244 (4)				· ·						
AADT/Year		290 / 20	` '				<u> </u>	eview Date	17-Jan-2013				
Road Classification RCU-209-110							Follow-	Uр Ву					
Detour Length (km) 5													
Bridge Culver													
Number of Cul			2			_				D. (C)			
Pipe #	Barrel					Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2400 MP			36	125X26	2.8	ROUND			
2	MAIN		- 2400 MP					36	125X26	2.8	ROUND		
Special Features													
Special Feature	es Comi	ment											
					Ut	ilities (L	ocated	at)					
Utility Attachmo							_						
Telephone	Plowe	ed in Wes	st r/w.				Gas						
Power							Municip						
Others							Problen	n (Y/N) No					
Remarks	Approach Road / Embankment												
				Ар		Now Now			diti o m				
Horizontal Alignment						Explanation of Condition Intersection 200m South, Grade rises to South, poor sight distance							
Horizontal Alignment				7	7	Intersection 200m South. Grade rises to South, poor sight distance.							
Vertical Alignment Roadway Width (m) 10.600					5	5	45 .	15mm transverse crack in payement South of pipe, width of			. 141 . 6 1		
Roadway Width (m)			10.600				15mm transverse crack in pavement South of pipe, width of roadway - sealed.						
Embankment					8	N	Snow c	overed.					
Sideslope (_	:1)		3.0										
(Height of Co	•	2.6)											
Guardrail (Y/N)		. =:0)	No										
Approach Roa	ad / Eml	bankme	nt General Rat	ing	5	5							
						Upstre	am End						
Culvert Comp	onent				Last			ation of Con	dition				
(Pipe # : 1, Sp		e: Prima	ry Span)										
Direction			- 1		W		North s	pan.					
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL					,					
Headwall					Х	Х							
Collar					Х	Х							
Wingwalls					Х	X							
(Shape:)													

			Unetro	am End
Culvert Component				Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)		1.1011	
Cutoff Wall	, - [/	Х	Х	
Bevel End		7	7	
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		N	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			Removed from u/s.
Upstream End General Rating	1	7	7	
Outroot On				
Culvert Component	tion Code MAIN Cod		Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		an (mm	1):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	29-Nov-2012			North span.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		3	3	Minor mower damage to crown.
Measured Rise (mm)	2160			Unable to measure, ice.
Measured At Ring No.	2			
Sag (mm)	240			
Percent Sag	10			
Sidewall		4	4	Span at W end=2556=156mm
Measured Span (mm)	2638			Span at mid=2638=238mm=9.9% Span at E end=2489=89mm
Measured At Ring No.				
Deflection (mm)	238			9.9%
Percent Deflection	10			
Floor		N	N	(Covered with silt, 200mm, heavier at mid span. 09/Sep/2006) - Ice.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	1	7	6	
Separation (mm)	60			
Longitudinal Seams	ı	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)				
Coating		6	6	Superficial rusting @ North sidewall, East of 1st seam from U/S.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			

		Brid	dae Cu	Ivert Barrel
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm		, Rise (mm): 2400, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			Drift from 1/2 h a ayer dare varied
Drift (Y/N)	Yes			Drift from u/s beaver dam removal.
Barrel General Rating		3	3	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction		E		North span.
End Treatment (Concrete, Steel, Others, None)	STEEL	X		
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape:)				
Cutoff Wall			X	
Bevel End		7	7	
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 350)		1	T	
Scour/Erosion		N	N	
Beavers (Y/N)	No		1	
Downstream End General Ratio	ng	7	7	
				am End
•			Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Direction End Treatment (Concrete, Steel,	STEEL	W		South span.
Others, None) Headwall		X	Х	
Collar		X	X	
Wingwalls		X	X	
(Shape:)				1
Cutoff Wall		Х	Х	

			linstre	am End				
Culvert Component		1		Explanation of Condition				
(Pipe # : 2, Span Type: Seconda	arv Span)		1					
Bevel End	<u> </u>	7	6					
	50	-						
Invert Above/Below Stream Bed								
	200							
Scour Protection		N	N	Snow covered.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		N	N					
Beavers (Y/N)	No			Removed.				
Upstream End General Rating		7	6					
		Brio	dge Cu	Ivert Barrel				
Culvert Component		1	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Loc	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2400, Type: MP)				
Barrel Last Accessible Date	29-Nov-2012			South span.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		4	4	Minor mower damage to crown.				
Measured Rise (mm)	2190			Unable to measure, ice.				
Measured At Ring No.	2							
	210							
Percent Sag	8			(8.8%. 25Jan2010).				
Sidewall		4	4	Span at W end=2556=156mm				
Measured Span (mm)	2595			Span at mid=2595=195mm=8.1% Span at E end=2520=120mm				
Measured At Ring No.				Span at L end-2020-120mm				
Deflection (mm)	195			8.1%				
Percent Deflection	8							
Floor		N	N	(Covered with silt, 200mm, heavier at midspan. 09/Sep/2006) - Ice.				
	0]				
Measured At Ring No.								
	No							
Circumferential Seams		5	5					
	80							
Longitudinal Seams		Х	Х					
Total No. of Cracked Rings				1				
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)								
Coating		6	6					
	No							
, ,	Yes							
	NEG							

		Brid	dae Cu	Ivert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S			, Rise (mm): 2400, Type: MP)				
Ponding (Y/N)	No		ŕ					
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No]				
Drift (Y/N)	Yes			Drift from beaver dam removal.				
Barrel General Rating		4	4					
		D	ownst	ream End				
Culvert Component		Last		Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Direction				South span.				
End Treatment (Concrete, Steel, Others, None)	STEEL	Е						
Headwall		Х	X					
Collar			X					
Wingwalls			Х					
(Shape:)								
Cutoff Wall			X					
Bevel End		7	7					
Heaving (mm)	50							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		N	N	Snow covered.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 350)								
Scour/Erosion		N	N					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	7					
			Y(1					
			Now	re Usage Explanation of Condition				
Channel (II/S and D/S)		Lasi	INOW	Explanation of Condition				
Channel (U/S and D/S) Alignment			7	Stream angles Northward on U/S end, minor.				
Bank Stability		7	7					
HWM (m below Top of Culvert)	0.3			Springline @ inlet.				
Drift (Y/N)	Yes							
Channel Bottom Degrading/Aggrading	AGGRADING			U/S.				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

		Maintenance Recommendations	commendations				
Inspector Recommendations	Year	Inspector Comments	Department Comments	mments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	(7)						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUTOFF	OFF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	low) 33.3/33.3	Sufficiency Rating (Last/Now) (%)	ow) 57.3/56.3	Est. Repl. Yr 2045	Maint. Reqd. (Y/N)		No
Special Monitor barrel defle Comments for No further action re Next Inspection	ection; continue r equired at this tim	Monitor barrel deflection; continue regular inspection. No further action required at this time fro barrels rated "3" & "4".	Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0 1	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	29-Feb-2016		Previous Inspection Date	25-Jan-2010			
Inspection Cycle (Default) (months)	39						
Comment							

			Maintenance Recor	mmend	ations					
Inspector Recommendations		Year	Inspector Comments		Department C	comments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N(%)	low)	33.3/33.	3/33.3 Sufficiency Rating (Last/		7.3/56.3	Est. Repl. Yr	2045	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection Monitor barrel deflection; continue regular inspection. No further action required at this time fro barrels rated "3" & "4".					Department Comments	No Maintenance red	quired			
Maintenance Reviewed By John Umlah				Date	24-Apr-2013		Estimated Tota	1 0		
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Ow		Salava	Pro	evious A	Assistant's Nan	ne				
Next Inspection Date	29-Feb	-2016	Pro	evious I	nspection Date	e 25-Jan-2010				
Inspection Cycle (Default) (months)	39									
Comment										