Bridge Culvert Inspection													
Bridge File Number 00440 -1 Bridge Co			-1 Bridge Culve	Culvert			Form Type			CUL1			
Year Built		1983					Lot No			4			
Bridge or Town	Name :	TOFIEL	LD				Inspec	tor Name		Jason Saly			
Located Over	-	TRIBU	TARY TO AMIS	K CREEK	<, 6.62	.15.5,		tor Class		BR CLS A			
			C1 29.237					ant Name					
Water Body Cl./Year						ant Class							
Navigabil. Cl./Ye								tion Date		03-Jun-2010			
Legal Land Loca		SW SE	C 6 TWP 50 RC	3F 18 W/4	LN/I			ntry By		Jill Potts			
Longitude, Latitu			3:09, 53:16:51	JL 10 VV-	rivi		Data Entry Date 01-Jul-2010						
Road Authority			Transportation	(ΔΙΤ)				Reviewer Name John O'Brien					
Contract Main. A		CMA16	•	(/ (/ / /			Review Date			24-Jun-2010			
Clear Roadway/		9.3 /	,	Dept. Reviewer Name									
AADT/Year			009 (A)				Dept. Review Date			06-Jul-2010			
Road Classificat		RCU-2					Follow	-Up By					
Detour Length (I	km)	3											
Bridge Culvert Information													
Number of Culve	erts		1										
Pipe #	Barrel		Span	Rise (or Di		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1 1	MAIN		-	2200		MP		34		125X26	2.8	ROUND	
Special Features								120/20 2.0					
Special Features		nent											
LICTO A CO.	Utilities (Located at)												
Utility Attachments													
Telephone West r/w.							Gas						
Power							Munici						
Others Powerline to form process diagonally over out							Proble	m (Y/N)	No				
Remarks Powerline to farm crosses diagonally over culvert.													
Approach Road / Embankment Last Now Explanation of Condition													
Horizontal Alignment				7	7	Farm entrance to North, intersection to South.							
Vertical Alignment			9	8	. a.m. s.manos to Horar, intersection to count.								
Roadway Width (m)		9.300											
					T _								
Embankment	-4\		0.0		7	7							
Sideslope (:1) 3.0													
(Height of Cover(m): 2.7)													
Guardrail (Y/N)			No										
Approach Road	d / Emb	ankme	nt General Rat	ing	7	7							
						Upstre	am Enc						
Culvert Compo	nent				Last	Now	Explai	nation of	Condi	tion			
Direction			W										
End Treatment (Concrete, Steel, Others, None)													
Headwall			X	X									
Collar			Х	Х									
Wingwalls			Х	X									
(Shape:)													
Cutoff Wall				X	X								

00440 -1 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		N	5	Corrosion/pitting/scaling on floor. Minor dent in roof bevel edge.						
Heaving (mm)	50			Beaver dam @ inlet.						
Invert Above/Below Stream Bed										
Above/Below (mm)	0									
Scour Protection		N	6							
(Type:)										
(Avg. Rock Size(mm):)										
Scour/Erosion		N	6							
Beavers (Y/N)	Yes									
Deavers (1/N)	163									
Upstream End General Rating			5							
		Brid	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	1):	, Rise (mm): 2200, Type: MP)						
Barrel Last Accessible Date	03-Jun-2010									
Special Features										
Special Features Special Feature										
•										
(Type :) Special Feature										
(Type:)										
Roof		5	6	Rise could not be measured due to silt.						
Measured Rise (mm)	2130	3	0	Estimate.						
Measured At Ring No.	3			3.2%						
Sag (mm)	70			0.270						
Percent Sag	3									
Sidewall 3		5	5	Span @ mid pipe = 2216, 16mm. West end = 2223, 23mm.						
Measured Span (mm)	2228	3	J 3	At East end.						
Measured At Ring No.	2220			1.3%						
Deflection (mm)	28									
Percent Deflection	1									
Floor	•	N	N							
Bulge (mm)		IN	111							
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		6	5							
Separation (mm)	70									
Longitudinal Seams	70	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)										
Coating		N	4	Medium corrosion/scaling/pitting & loss of section.						
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Culvert Component			Brio	lge Cu	lvert Barrel				
Fish Passage Adequacy	Culvert Component			Now	Explanation of Condition				
Baffile	(Pipe #: 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm):		, Rise (mm): 2200, Type: MP)				
Type : Waterway Adequacy	Fish Passage Adequacy		6	3	Beaver dam at West bevel, no flow.				
Materway Adequacy	Baffle			Х					
Icing (Y/N)	(Type:)								
Icing (Y/N)				7					
Sitting (Y/N) Yes									
Drift (Y/N) Yes Sarrel General Rating S S S S S S S S S	• • •	Yes			INITIOI.				
S 5 5 5 5 5 5 5 5 5	-	Yes							
Culvert Component Last Now Explanation of Condition Direction E Teath Treatment (Concrete, Steel, Others, None) STEEL End Treatment (Concrete, Steel, Others, None) X X Collar X X Collar X X Wingwalls X X (Shape:) Cutoff Wall X X Bevel End N 6 Minor rust on floor. Heaving (mm) 0 Feed to the property of t				5					
Culvert Component Last Now Explanation of Condition Direction E Teath Treatment (Concrete, Steel, Others, None) STEEL End Treatment (Concrete, Steel, Others, None) X X Collar X X Collar X X Wingwalls X X (Shape:) Cutoff Wall X X Bevel End N 6 Minor rust on floor. Heaving (mm) 0 Feed to the property of t			D	ownstr	eam End				
Direction	Culvert Component								
End Treatment (Concrete, Steel, Others, None) STEEL				11011					
Headwall	End Treatment (Concrete, Steel,	STEEL							
Variable Variable	·		Х	Х					
Cutoff Wall	Collar			Х					
Cutoff Wall X X Bevel End N 6 Minor rust on floor. Heaving (mm) 0 Invert Above/Below Stream Bed BELOW Above/Below (mm) 0 Scour/Protection N 6 (Type:) (Avg. Rock Size(mm):) Scour/Frosion N 6 Beavers (Y/N) Yes Structure Usage Last Now Explanation of Condition Channel (U/S and D/S) Alignment 8 7 Bank Stability 8 8 HWM (m below Top of Culvert) HWM not visible. Drift (Y/N) Yes Unknown. Channel Bottom Degrading/Aggrading Last Note Unknown. Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE) Fish Compensation Measure 2 : NONE	Wingwalls			Х					
Bevel End									
Heaving (mm)	·			Х					
Invert Above/Below Stream Bed	Bevel End			6	Minor rust on floor.				
Above/Below (mm) 0	Heaving (mm)	0							
Scour Protection	Invert Above/Below Stream Bed	BELOW							
(Type :)	Above/Below (mm)	0							
(Avg. Rock Size(mm) :) Scour/Erosion N 6	·			6					
Scour/Erosion	(Type :)								
Beavers (Y/N) Yes	(Avg. Rock Size(mm):)								
Downstream End General Rating Structure Usage Last Now Explanation of Condition	Scour/Erosion		N	6					
Structure Usage Last Now Explanation of Condition Channel (U/S and D/S) Alignment 8 7 Bank Stability 8 8 8 HWM (m below Top of Culvert) HWM not visible. Drift (Y/N) Yes Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Beavers (Y/N)	Yes							
Channel (U/S and D/S) Alignment 8 7 Bank Stability 8 8 HWM (m below Top of Culvert) HWM not visible. Drift (Y/N) Yes Unknown. Channel Bottom Degrading/Aggrading Unknown. Unknown. Beavers (Y/N) No Volume Top of Culverty (Fish Compensation Measure 1 : NONE) Volume Top of Culverty	Downstream End General Ratir	ng	6	6					
Channel (U/S and D/S) Alignment 8 7 Bank Stability 8 8 HWM (m below Top of Culvert) HWM not visible. Drift (Y/N) Yes Unknown. Channel Bottom Degrading/Aggrading Unknown. Unknown. Beavers (Y/N) No Volume Top of Culverty (Fish Compensation Measure 1 : NONE) Volume Top of Culverty			S	tructu	re Usage				
Channel (U/S and D/S) Alignment 8 7 Bank Stability 8 8 HWM (m below Top of Culvert)									
Bank Stability 8 8 HWM (m below Top of Culvert) Drift (Y/N) Channel Bottom Degrading/Aggrading Beavers (Y/N) (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Channel (U/S and D/S)								
HWM (m below Top of Culvert) Drift (Y/N) Channel Bottom Degrading/Aggrading Beavers (Y/N) (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)				7					
Drift (Y/N) Yes Channel Bottom Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Bank Stability			8					
Channel Bottom Degrading/Aggrading Beavers (Y/N) (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	HWM (m below Top of Culvert)				HWM not visible.				
Degrading/Aggrading Beavers (Y/N) No (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Drift (Y/N) Yes								
(Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)					Unknown.				
(Fish Compensation Measure 2 : NONE)	Beavers (Y/N) No								
	(Fish Compensation Measure 1 :	NONE)							
Channel General Rating 8 7	(Fish Compensation Measure 2 :	NONE)							
	Channel General Rating		8	7					

			Maintenance Re	commend	lations					
Inspector Recommendations	Year	Inspector Com	nments		Department Comr	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·								
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	a									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 55.6/5	55.6 Suffi (%)	ciency Rating (Last/l	Now)	67.5/56.2	Est. Repl. Yr	2021	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					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	Tim Davies			Assistant's Name						
Next Inspection Date	03-Sep-2013			Previous	Inspection Date	21-Mar-2007				
Inspection Cycle (Default) (months)	39									
Comment										