08565 -1 Bridge Culvert

					Brida	e Culve	ert Insne	ection							
Bridge File Number 08565 -1 Bridge Culvert					DITES	je Gurve	Form Type			CUL1					
Year Built 1967					Lot No.			4							
Bridge or Town Name CASTOR					Inspector Name			Owen Salava							
				CREEK, 5.20, WATERCRS-ST				tor Class		BR CLS A					
Located On 861:02 C1 8.								nt Name		B. ( 020 / 1					
Water Body Cl./Year						Assistant Class									
Navigabil. Cl./Year							Inspection Date			13-Sep-2012					
			26 TWP 38 R							Marcia Chavez					
							ntry By ntry Date	<u> </u>	02-Oct-2012						
			rta Transportation (AIT)					er Name		John O'Brien					
Contract Main. Area CMA21							Date		27-Sep-2012						
		12 /							Name	Andrew Smikles					
AADT/Year	,,	60 / 201	1 (A)				Dept. Review Date			16-Oct-2012					
Road Classifica	ation		CU-209G-90				Follow-Up By								
Detour Length		3						. ,							
Bridge Culver		ation													
Number of Cul		1	1												
Pipe #	Barrel	(	Span	n Rise (or Dia		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN	-		3962		SP		54.9		152X51	3.5	ROUND			
Special Feature	es														
Special Feature	es Comr	ment													
Liche Au					Ut	ilities (L	ocated.	at)							
Utility Attachmo		-:					Gas		1						
Telephone West side of road.						Municipal									
Power							Problem (Y/N) No								
Others							Floblei	11 (1/14)	INO						
Remarks				Δι	nnroa	ch Road	l / Emb	ankment							
					Last	Now									
Horizontal Alig	nment				8	8	Sag curve over culvert with good visibility.								
Vertical Alignment			7	7				3	,						
Roadway Width (m) 12.000															
Embankment			5	5	Road d	Irains to s	sag, do	wn both slopes	causing erosi	on above barrel.					
Sideslope (_:1) 1.5								•	· ·						
(Height of Cover(m): 5.6)					'										
Guardrail (Y/N) Yes					West slope, too low - photo. 400mm to center.										
Approach Road / Embankment General Rating			7	7											
						Upstre	am End								
<b>Culvert Comp</b>	onent				Last	Now	Explan	ation of	Condi	tion					
Direction			W												
End Treatment (Concrete, Steel, CONCRETE Others, None)															
Headwall			8	8											
Collar			8	8											
Wingwalls			Х	Х											
(Shape: )															
Cutoff Wall			N	N											

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			Unetro	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	Explanation of Condition
Heaving (mm)	200			
Invert Above/Below Stream Bed				
Above/Below (mm)	600	7	7	Deal, weekerd into havel. No making
Scour Protection		7	7	Rock washed into bevel. No problem.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>400</b> )			-	
Scour/Erosion		7	7	
Beavers (Y/N)	Yes			Remains of dam 10m U/S.
Upstream End General Rating		6	6	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Sr			, Rise (mm): 3962, Type: SP)
Barrel Last Accessible Date	27-Jun-2006		,	Water 0.8m deep. Viewed from ends & to R3, looks ok.
Barrer East / todecololo Bate	27 Guil 2000			Victor o.om doop. Viewed from onde a to No, looke ok.
Special Features				
Special Feature				
(Type:)			_	
Special Feature				
(Type:)				
Roof		6	N	Roof line looks good.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		5	N	(2,-4081, 4-4175, 6-4180, 8-4200. 27/June/2006).
Measured Span (mm)	4200			(2, 1001, 11110, 01100, 01200127704.10/2000).
Measured At Ring No.	8			
Deflection (mm)	238			-
Percent Deflection	6			-
Floor	U	N	N	400mm silt.
Bulge (mm)	0	IN	IN	40011111 5111.
	0			-
Measured At Ring No.				
Abrasion (Y/N)		, A		
Circumferential Seams	0	N	N	
Separation (mm)	0	N	N1	
Longitudinal Seams  Total No. of Cracked Pings	0	IN	N	
Total No. of Cracked Rings	U			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			1N
Coating		4	4	Rust on sidewall through bolt holes. Deep pitting in haunches, dents
Corrosion By Soil (Y/N)	Yes			easily.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Cambon 1 30/2ERO/NEO				

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		Brid	dge Cu	Ivert Barrel					
Culvert Component L			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Span			):	, Rise (mm): 3962, Type: SP)					
Ponding (Y/N)	No								
Fish Passage Adequacy			4	Blocked by riprap in barrel at inlet.					
Baffle		Х	X						
(Type:)									
Waterway Adequacy		7	7	Local farm says floods to approx 2m from roof.					
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	N	G.R. was "5" from 27June2006.					
		D	ownstr	ream 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	X						
Bevel End		6	6						
Heaving (mm)	150								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	600								
Scour Protection		5	5						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : <b>400</b> )									
Scour/Erosion		5	5						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	5	5						
				re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S) Alignment		6	6						
Bank Stability		7	7						
HWM (m below Top of Culvert)	2.0			Approximate based on neighbouring farmer.					
Drift (Y/N)	Yes								
Channel Bottom Degrading/Aggrading  DEGRADING									
Beavers (Y/N)	Yes								
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

				Ma	aintenance	Recommen	dations							
Inspector Recommendations	Ye	Year Inspector Comments					Department Comments						Est. Cost	Cat #
SHOTCRETE REPAIRS														
PLACE ADDITIONAL RIP RAP														
REMOVE DRIFT ACCUMULATION														
INSTALL CONCRETE/STEEL LINING														
INSTALL STRUTS														
INSTALL CONCRETE COLLAR/CUT	OFF													
REPAIR SEAMS														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/N (%)	low) 55.	v) 55.6/55.6		Sufficiency Rating (Last/Now) (%)		st/Now)	64.5/58.5		st. Repl. Yr 2021		N	laint. Re	eqd. (Y/N)	No
Special Comments for Next Inspection							Department Comments							
Maintenance Reviewed By							Date			E	Estima	ted Tota	al O	
Proposed Long-Term Strategy														
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name Ow		ava				Previous	Assistant's Name							
Next Inspection Date	13-Dec-20	)15				Previous	Inspection Date		28-Aug-2009					
Inspection Cycle (Default) (months)	39													
Comment														