					Brida	o Culve	rt Inen	ection					
Bridge File Nur	ge File Number 09208 -1 Bridge Culvert					e Cuive	ert Inspection Form Type		CUL1				
Year Built 1981						Lot No.		4					
Bridge or Town Name GROUAR			ARD				Inspector Name		Brian Pientsch				
Located Over	IIVallie		RDER TRIBUTA	ARV TO S	 ΣΔΙΤ		Inspector Class		BR CLS A				
Located Over			, 8.11.80.54.1.3			S-ST	Assistant Name		Lisbeth Medina				
Located On		750:02	C1 30.418				Assistant Class		Lisbeth Medina				
Water Body Cl./Year					Inspection Date				02-Dec-2010				
Navigabil. Cl./Year						Data Entry By		Theresa Lacus	sta				
			34 TWP 76 RGE 14 W5M				Data Entry Date		21-Dec-2010				
		29, 55:37:53				Reviewer Name		Arnold Assenheimer					
		Fransportation (AIT)				Review Date		20-Dec-2010					
Contract Main. Area CMA06					Dept. Reviewer Name								
Clear Roadway	//Skew	8.7 /					Dept. Reviewer Name Dept. Review Date						
AADT/Year		560 / 20	009 (A)						31-Mar-2011				
Road Classifica	ation	RCU-20					Follow-Up By						
Detour Length	(km)	50											
Bridge Culvert	Inform	ation											
Number of Culv	verts		1										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		3510	3890		SPE		39		152X51	3.0	ELLIPSE	
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone							Gas						
Power						Munici							
Others							Proble	m (Y/N)	No				
Remarks				۸۲	anroa	ch Poac	l / Emb	ankment					
				A	_	_	1		Condi	tion			
Horizontal Alignment				7	6	Explanation of Condition Sag curve. Limited sight distances							
Vertical Alignment			7	7	No passing Northbound lane.								
			<u>'</u>										
Roadway Width (m)		8.700	8.700										
Embankment					7	4	Minor	slump 4m	widex	8m longx0.6m	deep on East e	embankment.	
Sideslope (:1)		4.0]						
(Height of Co		: 2)			1								
Guardrail (Y/N)			No										
Approach Roa	Approach Road / Embankment		nt General Rating		7	6							
						Upstre							
Culvert Compo	onent				Last	Now	Explai	nation of	Condi	tion			
Direction End Treatment (Concrete, Steel, CONCRETE		W		_									
End Treatment Others, None)	(Concre	ete, Stee	I, CONCRETE										
Headwall					X	X							
Collar			7	N	Under snow								
Wingwalls			Х	Х									
(Shape:)													
	Cutoff Wall				N	N							

			111					
				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	T	6	6	Superficial rust.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	100		1					
Scour Protection		6	6					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)			_					
Scour/Erosion		6	6					
Beavers (Y/N)	Yes			5m from culvert invert				
Upstream End General Rating		6	6					
		Bri	dge Cu	Ivert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. S							
Barrel Last Accessible Date	02-Dec-2010		•					
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		7	7	No rise measurement due to ice on floor.				
Measured Rise (mm)		,	'	No fise measurement due to ice on hoor.				
` '				-				
Measured At Ring No.								
Sag (mm)								
Percent Sag			Ι _					
Sidewall	T	7	7					
Measured Span (mm)	3479							
Measured At Ring No.	5			Deflection inward				
Deflection (mm)	31			_				
Percent Deflection	1							
Floor		N	N	Ice covered.				
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		7	7					
Separation (mm)								
Longitudinal Seams		7	7					
Total No. of Cracked Rings	0			1				
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating		6	5	Superficial rust visible, lower half.				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	No							

09208 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 3510	, Rise (mm): 3890, Type: SPE)					
Fish Passage Adequacy		5	5	300mm drop D/S.					
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		7	7						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		Е							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		X	X						
Wingwalls		X	X						
(Shape:)									
Cutoff Wall		X	X						
Bevel End		5	5	North side pushed in from riprap replacement. (Photo)					
Heaving (mm)	300								
Invert Above/Below Stream Bed ABOVE									
Above/Below (mm) 300									
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 500)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	5	5						
		s	tructur	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7						
				HWM not visible.					
Bank Stability		6	6						
HWM (m below Top of Culvert)									
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading									
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	7						

		Maintenance F	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	nents		Target Year	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 (%)	ow) 77.8/7	7.8 Sufficiency Rating (Last	t/Now)	71.2/71.9	Est. Repl. Yr	2026	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection Monitor d/s bevel. Monitor slump on E	ast embankme	nt.		Department Comments					
Maintenance Reviewed By				Date		Е	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Brian Pientscl	1	Assistant's Name Tim Miskiman						
Next Inspection Date	02-Mar-2014		Previous	Inspection Date	25-Jul-2007				
Inspection Cycle (Default) (months)	39								
Comment									