					Brida	e Culve	ert Insp	ection					
Bridge File Number 79451 -1 Bridge Culvert			Ji lug	o cuit	Form Type			CUL1					
Year Built 1982					Lot No	•		4					
Bridge or Town Name DERWENT						Inspector Name		Jason Saly					
Located Over			CREEK, 6.19,	WATER	CRS-S	Т	Inspector Class		BR CLS A				
Located On 41:20 C1 31.917					·	Assistant Name							
Water Body Cl./Year							int Class						
Navigabil. Cl./Y							Inspection Date		28-Nov-2012				
Legal Land Loc		NE SEC	31 TWP 53 R	GF 6 W4	M		Data Entry By		Marcia Chavez	7			
Longitude, Latit			03, 53:37:23	02 0 11 11			Data Entry Date		15-Jan-2013				
Road Authority							Reviewer Name		John O'Brien				
Contract Main. Area CMA15		. ,				Review Date		14-Dec-2012					
Clear Roadway		11.1 /							Andrew Smikle	28			
AADT/Year		1,530 / 2	011 (A)	011 (A)				Review Da		17-Jan-2013			
Road Classifica		RAU-211						Up By	aic	11-Jaii-2013			
Detour Length		3	1.0 110	.0-110				OP Dy					
Bridge Culvert							1						
Number of Culv		1	 										
	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	2	2155	1350		FP		33		68X13	4.2	ARCH	
Special Feature								100		1000		1	
Special Feature		ment											
Operation of the second													
					Uti	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone	East r/	/w.					Gas						
Power 3 wires OH 60m East of c/l.					Municipal								
Others						Problem (Y/N) No							
Remarks	RR tra	acks remo	oved.										
				A	pproac	ch Road		ankment					
					Last	Now	Explanation of Condition						
Horizontal Align					7	7	Local road access 30m SE. Curves both directions.						
Vertical Alignme	ent				7	7	Crest curve with no passing to S.						
Roadway Width (m) 11.100								-					
Embankment					N	N		covered.					
Sideslope (:1)		4.0				Measured at U/S. 2.3m at D/S West.						
(Height of Co	ver(m):	2)					2.5111 a	(D/O VVE	Ji.				
Guardrail (Y/N) No													
Approach Roa	d / Emb	ankmen	t General Rat	ing	7	7							
Outro 1 C							am End		0	(lan			
Culvert Compo	onent				Last	Now	Explan	ation of	Conai	tion			
Direction End Treatment	(Can ===	oto Ctaal	CTEFI		E								
End Treatment Others, None)	(Concre	ete, Steel,	, SIEEL										
Headwall		Х	Х										
Collar			Х	Х									
Wingwalls		Х	X										
(Shape:)													
Cutoff Wall			Х	Х									
						1							

79451 -1 Bridge Culvert

			Unetro	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	I.	N	6	= Explanation of Containon
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection	1.00	N	N	(Most covered with dirt/grass. 19Aug2009). Snow covered.
(Type: NATURAL)		14		(Wood oovered With diregrade. For lag2000). Chew oovered.
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	Snow covered.
00001/21001011		.,		Show servicus.
Beavers (Y/N)	Yes			
Unated and Earl Consent Batings				
Upstream End General Rating		N	6	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	Span (mm): 2155	i, Rise (mm): 1350, Type: FP)
Barrel Last Accessible Date	17-Aug-2009			Pipe only accessible for a couple of metres each end; ice to within 700mm of roof.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		'		
Roof		N	N	Roof started flattening at both ends approx. 2.5 from ends.
Measured Rise (mm)				Roof started flattening at both ends approx. 2.5 from ends. Could not measure rise due to ice.
Measured At Ring No.				(Estimate. 17Aug2009).
Sag (mm)	90			
Percent Sag	6			
Sidewall		N	N	Could not measure span due to ice levels.
Measured Span (mm)	2250			i i
Measured At Ring No.	2			
Deflection (mm)	95			(4.4%. 17Aug2009).
Percent Deflection	4			
Floor		N	N	(Covered with silt throughout, max. depth 150mm at W end.
Bulge (mm) 0				17Aug2009).
Measured At Ring No.				1
Abrasion (Y/N) No				(27/Mar/2008)
Circumferential Seams		N	N	Max separation located at heaving U/S section.
Separation (mm)	120			1
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)				
Coating		N	N	(Minor superficial rust lower 1/2. 17Aug2009).
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

79451 -1 Bridge Culvert

	Bridge Culvert Barrel								
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 2155	, Rise (mm): 1350, Type: FP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		6	6						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		N	6	(Silt will easily flush in flood. 14/Sept/2004).					
Icing (Y/N)	No								
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating		N	N	GR was 5 from 19Aug2009 based on roof rating.					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		W							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls			Х						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		N	6						
Heaving (mm)	30								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection		N	N	(Well vegetated. 19Aug2009).					
(Type : NATURAL)									
(Avg. Rock Size(mm):)			1						
Scour/Erosion		N	N						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	N	6	Previous GR was 6 from 19Aug2009.					
		Structur		re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		N	1						
Alignment			8						
Bank Stability			N	(Channel well vegetated. 19Aug2009). Snow covered.					
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading				Unknown.					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		8	8						

		Mainte	enance Recommendation	ıs					
Inspector Recommendations	Year	Inspector Comments		partment Comn	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	G								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N(%)	Now) 55.6/5	5.6 Sufficiency Rati	ng (Last/Now) 68.9/	61.3	Est. Repl. Yr	2034	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Deg Cor	partment mments					
Maintenance Reviewed By			Dat	е		E	stimated Total	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Jason Saly		Previous Assis	tant's Name					
Next Inspection Date	28-Aug-2014		Previous Inspe	ction Date	07-Mar-2011				
Inspection Cycle (Default) (months)	21								
Comment									