Bridge Culvert Inspection														
Bridge File Number		07165 -1 Bridge Culvert					Form Type			CUL1				
Year Built		1984					Lot No.			2				
Bridge or Town Name HEINSB			ISBURG				Inspector Name			Kris Bosters				
Located Over	FROG C	FROG CREEK, 6.7, WATERCRS-ST					or Class		BR CLS A					
Located On		646:04 C	546:04 C1 37.498					nt Name		Brian Cote				
Water Body Cl./Year								nt Class						
Navigabil. Cl./Year							Inspection Date			10-Dec-2012				
Legal Land Location NW SE			SEC 19 TWP 55 RGE 3 W4M					ntry By		Theresa Lacusta				
Longitude, Latitude -110:20			44, 53:46:18		Data Entry Date			15-Jan-2013						
Road Authority Albert			perta Transportation (AIT)					er Name)	Eric Carcoux				
Contract Main. Area CMA			CMA08							19-Dec-2012				
Clear Roadway/Skew 9 / 0			9 / 0 deg.						Name	Paul Catt				
AADT/Year 630 /			i30 / 2011 (A)						ate	18-Jan-2013				
Road Classifica	ation	RCU-209	U-209-110					Uр Ву						
Detour Length	(km)	6												
Bridge Culvert Information														
Number of Culverts 1										0 0 "				
Pipe #	Barrel		Span	Rise (or	^r Dia.) Type			Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2610		SP		57.9		152X51	3.0	ROUND		
Special Feature	Special Features													
Special Features Comment														
Utility Attachme	ents							ary						
Telephone		Gas												
Power							Munici	bal	al					
Others						Problem (Y/N) No								
Remarks			1											
	Approach Road / Embankment													
					Last	Now	Explan	ation of	Condit	ion				
Horizontal Alignment						6	Pipe located between a series of horizontal curves.							
Vertical Alignm	ent				7	7	No pa	ssing we). 					
Roadway Width (m)			9.000											
Embankment					5	5								
Sideslope (_:1)		3.0											
(Height of Co	ver(m)	: 8)												
Guardrail (Y/N)			No											
Approach Roa	ld / Eml	bankmen	t General Rat	ing	6	6								
						Upstre	am End							
Culvert Comp	onent				Last	Now	Explan	ation of	Condit	ion				
Direction					N		_							
End Treatment Others, None)	(Concre	ete, Steel,	, STEEL											
Headwall			X	X										
Collar			X	Х										
Wingwalls					X	Х								
(Shape :)							1							
Cutoff Wall					X	X								

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	6	(Bevel exposed 300mm East side. 2003/03/07) Snow covered						
Heaving (mm)	0			Superficial rust, but missing material visible.						
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	400									
Scour Protection		N	N	(Riprap lost when beaver dam was removed - 2003/03/07)						
(Type : RIP RAP)				Large beaver dam covers rockphoto						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	N	Not visible under beaver dam & snow.						
Beavers (Y/N)	Yes									
Upstream End General Rating		5	5	G.R. carried forward.						
		Brid	lge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm)):	, Rise (mm): 2610, Type: SP)						
Barrel Last Accessible Date	07-Oct-2009			Not accessible, due to water depth.						
				Barrel viewed from ends and looks good.						
Special Features										
Special Feature				-						
(Type:)				-						
Special Feature				-						
(Туре :)		1								
Roof		5	N	_						
Measured Rise (mm)	2475			_						
Measured At Ring No.	11			_						
Sag (mm)	135			_						
Percent Sag	5									
Sidewall		5	N	_						
Measured Span (mm)	2762									
Measured At Ring No.	11									
Deflection (mm)	152			_						
Percent Deflection	6									
Floor		N	N	Water too deep- not visible.						
Bulge (mm)	0			-						
Measured At Ring No.				-						
Abrasion (Y/N)	No									
Circumferential Seams		6	N							
Separation (mm)	0									
Longitudinal Seams		6	N							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams				Seam at 2:00 position is properly lapped07-Oct-2009						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N) No										
Longitudinal Stagger (Y/N)	No									
Coating		5 N		Minor superficial rust on water side.						
Corrosion By Soil (Y/N)	Yes			Corrosion on sidewall from leakage through bolt holes indicates						
Corrosion By Water (Y/N)	Yes			corrosion by soil is more severe07-Oct-2009						
Camber POS/ZERO/NEG	NEG			A viewed from ends.						
Ponding (Y/N)	No									

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Bridge Inspection & Maintenance System (Web 2005)

07165 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 2610, Type: SP)						
Fish Passage Adequacy		4	4	Beaver dam blocks fish passage.						
Baffle		X	X							
(Type :)			X							
Waterway Adequacy		7	7							
Icing (Y/N)	No		-							
Silting (Y/N)	No									
$\frac{\text{Drift}(V/N)}{\text{Drift}(V/N)}$	No			-						
Perrol Concrol Dating	NO	E	N	Last roted E on 07 Oct 2000						
Barrei General Rating		5		Last fated 5 011 07-Oct-2009						
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		S								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		6	N	(Bevel projects 300mm 2003/03/07)						
Heaving (mm)	0			Not visible, under snow.						
Invert Above/Below Stream Bed BELOW										
Above/Below (mm) 300										
Scour Protection			N	Snow covered , no signs of erosion through snow.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion			N							
Beavers (Y/N)	No		1							
Downstream End General Ratio	ng	6	6	Carried over.						
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)	1		1 -							
Alignment		6	6							
3										
Bank Stability		6	6							
HW/M (m below Top of Culvert)				Not visible						
Drift (Y/N)										
Channel Bottom DEGRADING				Large beaver dam blocking inlet.						
Degrading/Aggrading										
Beavers (Y/N) Yes										
(Fish Compensation Measure 1 :	NONE)			-						
(Fish Compensation Measure 2 :	NONE)		-							
Channel General Rating		6	6							

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07165 -1 Bridge Culvert

Maintenance Recommendations												
Inspector Recommendations	Ye	ear	Inspector	Comments		Department Cor	nts	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP	20)13	Armour N 5m3class	orth end if not done alre 2)	ady.(approx							
REMOVE DRIFT ACCUMULATION	20)13	Remove b	beaver dam.								
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow) 55	55.6/55.6		Sufficiency Rating (Last/Now) (%)		57.3/56.7		st. Repl. Yr 2033		Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments						
Maintenance Reviewed By						Date			E	Estimated Tota	I 0	
Proposed Long-Term Strategy						· · · · · ·						
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Shane Hall F				Previous /	us Assistant's Name						
Next Inspection Date	10-Mar-2016			Previous I	nspection Date	07-Oct-2009						
Inspection Cycle (Default) (months) 39												
Comment												