					Brida	e Culve	ert Insp	ection						
Bridge File Num	ber	86227 -1	Bridge Culver	t			Form 7			CUL1				
Year Built 1975							Lot No.		1					
Bridge or Town	Name	CULVER					Inspector Name			Brian Pientsch				
		RIVER C	N HIGHWAY	986 NE C	OF P		Inspector Class		BR CLS A					
Located Over			COURSE, WA	TERCRS	-NI		Assistant Name		Clem Guenette					
		C1 39.306				Assistant Class		BR CLS B						
Water Body Cl./Year						Inspection Date		12-Mar-2013						
Navigabil. Cl./Year						Data Entry By		Lisa Fairhurst						
Legal Land Loca			C 35 TWP 86 RGE 17 W5M				Data Entry Date		08-Apr-2013					
Longitude, Latitude -116:34			1:35, 56:30:26				Reviewer Name			Eric Carcoux				
Road Authority			Transportation (AIT)				Review Date		08-Apr-2013					
Contract Main. A		CMA02	2				Dept. F	Dept. Reviewer Name						
Clear Roadway/	Skew	9.9 /					Dept. Review Date							
AADT/Year			/ 2012 (A)				Follow-Up By							
Road Classificat	-	RCU-209	9-110				_							
Detour Length (I		135												
Bridge Culvert														
			1			· · \ -				0 0 0	DI /OL I	01		
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	Pl./Slab Thickness	Shape			
1 [MAIN	-		1200		MP		80		125X26	2.8	ROUND		
Special Features BARREL ELBOW					1		120/20 2.0 1100/11							
Special Features														
·														
					Uti	lities (L	ocated	at)						
Utility Attachmer	nts								1					
Telephone						Gas								
Power 1 wire o/h along South r/w.						Munici								
Others							Proble	m (Y/N)	No					
Remarks														
Ar						1	d / Embankment Explanation of Condition							
Horizontal Alignment			Last 7	Now 7	Curves south 500m East.									
Vertical Alignment			7	6	Sag cu		JOIII LE	131.						
Roadway Width (m) 9.900			,											
1. Sauway Widin (iii) 9.900														
Embankment				3	3	(20x10	m (lxw) s	lide ov	er barrel d/s an	d 2 barrel sect	ion and invert			
Sideslope (:1)			3.0				have washed d/s photo 30x2x0.5m (lwd) erosion 01 Apr 2011)							
(Height of Cover(m) : 10)					Snow covered '									
Guardrail (Y/N) Yes														
Annyasah Dasa	d / C.s.		t Camaral Dati	!	2		GR carried forward							
Approach Road	a / Emi	oankmen	t General Rati	ing	3	3	GR ca	rried forwa	ard					
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion				
Direction			S		Unable to view or access inlet ot outlet									
End Treatment (Others, None)	(Concre	ete, Steel,	STEEL											
Headwall					Х	X								
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)					<u></u>									
Cutoff Wall			Х	Х										

			Upstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	<u> </u>	3	N	(Detached from pipe (photo). 01 Apr 2011)				
Heaving (mm)	100			(Potasilos IIIII pipo (piloto), 017 (pi 2011)				
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	1000							
Scour Protection	1000	4	N	(Erosion around pipe 0.5m back (photo). 01 Apr 2011)				
(Type : NONE)		4	IN	(Liosion around pipe o.sin back (prioto). Of Apr 2011)				
(Avg. Rock Size(mm) :)		4	l NI					
Scour/Erosion		4	N					
Beavers (Y/N)	Yes			Dam at inlet (photo).				
Upstream End General Rating	<u> </u>	3	3	GR carried forward				
		Brid	dae Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN.			, Rise (mm): 1200, Type: MP)				
Barrel Last Accessible Date	01-Apr-2011		,					
Special Features								
Special Feature		5	N	(2 vertical elbows near centre of pipe 01 Apr 2011)				
(Type : BARREL ELBOW)				(2 15ba. 5.55.15 1.5a. 561116 61 pipe. 61 / ipi 2011)				
Special Feature								
·								
(Type:)			N.	(Approx Om from d/o				
Roof	1005	3	N	(Approx 8m from d/s. 2 barrel sections detached01 Apr 2011)				
Measured Rise (mm)	1065							
Measured At Ring No.								
Sag (mm)	135							
Percent Sag	11							
Sidewall	1	3	N	(Approx 8m from d/s. 2 barrel sections detached01 Apr 2011)				
Measured Span (mm)	1334			- 2 barrer sections detached01 Apr 2011)				
Measured At Ring No.								
Deflection (mm)	134							
Percent Deflection	11							
Floor		N	N					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		2	N	(Separated @ u/s bevel (photo).				
Separation (mm)	200	_		18m d/s section completely detached from remainder of barrel (photo)01 Apr 2011)				
Longitudinal Seams		Х	X	,				
Total No. of Cracked Rings			, ,	1				
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
,								
Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)								
Coating		4	N	(Some pitting rust over 600 mm strip on floor01 Apr 2011)				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Corrosion by Water (1714)								
Camber POS/ZERO/NEG	POS							

86227 -1 Bridge Culvert

		Brio	dge Cu	lvert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe #: 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm):	, Rise (mm): 1200, Type: MP)							
Fish Passage Adequacy		Х	Х	Likely not fish bearing stream.							
Baffle		Х	Х								
(Type:)											
Waterway Adequacy		3	N	(Channel degrading d/s partially from excessive outlet velocities 01							
Icing (Y/N) No				Apr 2011)							
Silting (Y/N)	No										
Drift (Y/N)	Yes										
Barrel General Rating		2 2		GR carried forward							
g		_	_	On carried forward							
				eam End							
Culvert Component		Last	Now	Explanation of Condition							
Direction		N									
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		Х	X								
Collar		Х	X								
Wingwalls		Х	Х								
(Shape:)											
Cutoff Wall		Х	Х								
Bevel End		2	N	(Washed d/s detached (photo) 01 Apr 2011)							
Heaving (mm)	0										
Invert Above/Below Stream Bed											
Above/Below (mm)											
Scour Protection		2	N	(Channel degrading d/s has caused slide over culvert01 Apr 20							
(Type : NONE)											
(Avg. Rock Size(mm):)			1								
Scour/Erosion			N	(Slide over culvert -01 Apr 2011)							
Beavers (Y/N) Yes				(Cutting lodged in barrel near d/s end 01 Apr 2011)							
Downstream End General Rating			2	GR carried forward							
		s	tructu	re Usage							
			Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment			5	60 deg curve d/s.							
Bank Stability			3	Banks d/s steep and sloughing.							
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N) Yes				(Channel has degraded about 3m since culvert was installed09-Oct-2009)							
Channel Bottom Degrading/Aggrading											
Beavers (Y/N) Yes											
(Fish Compensation Measure 1 : NONE)											
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating			3								

			Maintenance Rec	ommend	ations						
Inspector Recommendations	Year Inspector Comments				Department Con	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS					·						
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION	2013	Remove dam f	rom u/s bevel								
INSTALL CONCRETE/STEEL LINING	3										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUT	OFF										
REPAIR SEAMS											
OTHER ACTION	2013	Replace as pe prepared by M	r 2009 Assessment rep PA.	ort							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	ow) 22.2/22	22.2/22.2 Sufficiency Rating (%)		ow) 1	2.1/30.7	Est.	. Repl. Yr	2013	Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date			E	Estimated Total	al 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Brian Pientsch			Previous Assistant's Name			Lisbeth Medina				
Next Inspection Date	12-Jun-2016		Previous Inspection Date 01-Apr-2011								
Inspection Cycle (Default) (months)	39				•						
Comment											