				B	rida	e Culve	ert Inspe	ction					
Bridge File Num	nber	70347 -2 Bridge Culvert					Form T		CULM				
Year Built		2010					Lot No.	•	4				
Bridge or Town	Name	HATTONFORD					Inspect	or Name	Kris Bosters	Kris Bosters			
Located Over		2ND OR	DER TRIBUT 8.11.84.30.33.				Inspect	or Class	BR CLS A				
Located On			C1 27.483				Assistant Name Assistant Class		Brian Cote				
Water Body Cl./	Year								BR CLS B				
Navigabil. Cl./Y							· · ·	on Date	18-Apr-2013	-1-			
Legal Land Loc		NW SEC	C 15 TWP 56 F	RGE 11 W5I	М		Data Er		Theresa Lacusta				
Longitude, Latit		-115:33:	44, 53:50:25					ntry Date	30-Apr-2013				
Road Authority							Review		Eric Carcoux 29-Apr-2013				
Contract Main. Area CMA12													
Clear Roadway	/Skew	9.2 /					Dept. Reviewer Name Dept. Review Date		01-May-2013				
AADT/Year		200 / 20	12 (A)				Follow-		01-1viay-2013				
Road Classifica	tion	RAU-20	9-110					ор ву					
Detour Length (km)	50											
Bridge Culvert	Inform	ation											
Number of Culv	erts		2										
Pipe #	Barrel		Span	Rise (or Di	a.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1804		SSP		35		12.7	ROUND		
2	MAIN		-	1804		SSP		35		12.7	ROUND		
Special Feature	S												
Utility Attachme Telephone Power Others Remarks	West	r/w						Gas Municipal Problem (Y/N) No					
					ast		1						
Horizontal Align	ment	Horizontal Alignment					Explan	ation of Condi	tion				
Vertical Alignme						Now 7	Entranc	es to NE and S	SW				
Roadway Width (m)9.500					7 6		Entranc Crest c	es to NE and S urve to N and S		distance and r	no passing in		
			9.500		7	7	Entranc	es to NE and S urve to N and S	SW	distance and r	no passing in		
U			9.500		7	7	Entranc Crest cr both dir	es to NE and S urve to N and S ections. tch over crossi	SW 5. Limited sight ng is rough.	distance and r	no passing in		
Roadway Width Embankment Sideslope ((m) :1)	3 2)	9.500		7 6	76	Entranc Crest cr both dir	es to NE and S urve to N and S ections.	SW 5. Limited sight ng is rough.	distance and r	no passing in		
Roadway Width Embankment	(m) :1)	3.2)			7 6	76	Entranc Crest cr both dir	es to NE and S urve to N and S ections. tch over crossi	SW 5. Limited sight ng is rough.	distance and r	no passing in		
Roadway Width Embankment Sideslope (:1) /er(m) :	, 	4.0		7 6	76	Entranc Crest cr both dir	es to NE and S urve to N and S ections. tch over crossi	SW 5. Limited sight ng is rough.	distance and r	no passing in		
Roadway Width Embankment Sideslope (:1) /er(m) :	, 	4.0		7 6 8 8 6	7 6 8 6	Entranc Crest cr both dir	es to NE and S urve to N and S ections. tch over crossi	SW 5. Limited sight ng is rough.	distance and r	no passing in		
Roadway Width Embankment Sideslope ((m) :1) ver(m) : d / Eml	, 	4.0	ing	7 6 8 8 6	7 6 8 6	Entranc Crest cr both dir ACP pa Two tra	es to NE and S urve to N and S ections. tch over crossi	SW 5. Limited sight ng is rough. s in ACP.	distance and r	no passing in		
Roadway Width Embankment Sideslope ((Height of Cov Guardrail (Y/N) Approach Road	(m) :1) /er(m) : d / Eml	pankmen	4.0 No nt General Rat	ing	7 6 8 6	7 6 8 6 Upstre	Entranc Crest cr both dir ACP pa Two tra	es to NE and S urve to N and S ections. tch over crossi nsverse cracks	SW 5. Limited sight ng is rough. s in ACP.	distance and r	no passing in		
Roadway Width Embankment Sideslope ((m) :1) /er(m) : d / Eml	pankmen	4.0 No nt General Rat	ing	7 6 8 6 ast	7 6 8 6 Upstre	Entranc Crest cr both dir ACP pa Two tra	es to NE and S urve to N and S ections. tch over crossi nsverse cracks	SW 5. Limited sight ng is rough. s in ACP.	distance and r	no passing in		
Roadway Width Embankment Sideslope ((m) :1) ver(m) : d / Eml onent an Type	oankmen e: Primai	4.0 No nt General Rat	ing L	7 6 8 6 ast	7 6 8 6 Upstre	ACP pa Two tra	es to NE and S urve to N and S ections. tch over crossi nsverse cracks	SW 5. Limited sight ng is rough. s in ACP.	distance and r	no passing in		
Roadway Width Embankment Sideslope ((m) :1) ver(m) : d / Eml onent an Type	oankmen e: Primai	4.0 No nt General Rat	ing L	7 6 8 6 ast	7 6 8 6 Upstre	ACP pa Two tra	es to NE and S urve to N and S ections. tch over crossi nsverse cracks	SW 5. Limited sight ng is rough. s in ACP.	distance and r	no passing in		
Roadway Width Embankment Sideslope ((m) :1) ver(m) : d / Eml onent an Type	oankmen e: Primai	4.0 No nt General Rat	ing L	7 6 8 6 ast	7 6 8 0 Upstrea Now	ACP pa Two tra	es to NE and S urve to N and S ections. tch over crossi nsverse cracks	SW 5. Limited sight ng is rough. s in ACP.	distance and r	no passing in		
Roadway Width Embankment Sideslope ((m) :1) ver(m) : d / Eml onent an Type	oankmen e: Primai	4.0 No nt General Rat	ing L	7 6 8 6 ast V	7 6 8 6 Upstree Now	ACP pa Two tra	es to NE and S urve to N and S ections. tch over crossi nsverse cracks	SW 5. Limited sight ng is rough. s in ACP.	distance and r	no passing in		

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Cutoff Wall		X	X	
Bevel End			9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		9	N	Mostly snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 600)				
Scour/Erosion			N	
Beavers (Y/N)	Yes			Dam 25m u/s.
Upstream End General Rating	1	9	9	
		Bri	d <u>ge Cu</u>	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1804, Type: SSP)
Barrel Last Accessible Date	08-Oct-2010			South pipe Not accessible due to water and ice.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Туре :)				
Roof		9	N	Viewed from ends, shale looks great.
Measured Rise (mm)	1800			near cl
Measured At Ring No.				
Sag (mm)	4			
Percent Sag	0			
Sidewall		9	N	
Measured Span (mm)	1800			near cl
Measured At Ring No.				
Deflection (mm)	4			
Percent Deflection				
Floor		9	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		9	N	Welded pipe
Separation (mm)				
Longitudinal Seams		9	N	Welded pipe
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		7	7	Ungalvanized WSP has superficial rust.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			1

Bridge Inspection & Maintenance System (Web 2005)

70347 -2 Bridge Culvert

Bridge Culvert Barrel									
ulvert Component		Last Now		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1804, Type: SSP)					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								
Fish Passage Adequacy		9	9						
Baffle		9	N	4 rows at d/s end.					
(Type : SPOILER)									
Waterway Adequacy		9	9						
Icing (Y/N)	No								
Silting (Y/N)	No			@ u/s					
Drift (Y/N)	Yes								
Barrel General Rating		9 N		Last rated 9 on Oct 8, 2010.					
Culvert Component		D Last	ownstr Now	eam End Explanation of Condition					
(Pipe # : 1, Span Type: Primary	(Snan)	Lasi	NOW						
Direction		E		South pipe					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall	1		X						
Collar			Х						
Wingwalls			Х						
(Shape :)									
Cutoff Wall			X						
Bevel End			9						
Heaving (mm)									
Invert Above/Below Stream Bed									
Above/Below (mm)									
Scour Protection			N						
(Type : RIP RAP)				Snow covered					
(Avg. Rock Size(mm) : 600)			1						
Scour/Erosion			N						
Beavers (Y/N)			1						
Downstream End General Ratin	ng		9						
				am End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction		W		North pipe					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall			X						
Collar			X						
Wingwalls			X						
(Shape:)									
Cutoff Wall			X						

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Bevel End			9	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection			N	Mostly snow covered
(Type : RIP RAP)				_
(Avg. Rock Size(mm) : 600)				
Scour/Erosion			N	
Beavers (Y/N)	Yes			Dam 25m u/s.
Upstream End General Rating			9	
Culvort Component				Ivert Barrel
Culvert Component (Pipe # : 2, Secondary Span, Lo	Code: MAINL 6	Last		Explanation of Condition
Barrel Last Accessible Date		span (l		, Rise (mm): 1804, Type: SSP)
Barrei Last Accessible Date	08-Oct-2010			North pipe, not accessible due to water & ice.
Special Features				
Special Feature				_
(Type:)			_	_
Special Feature				_
(Туре :)			-	
Roof		9	N	Viewed from ends, shape looks great.
Measured Rise (mm)	1770			near cl
Measured At Ring No.				
Sag (mm)	34			
Percent Sag	2			
Sidewall		9	N	
Measured Span (mm)	1840			near cl
Measured At Ring No.				
Deflection (mm)	36			
Percent Deflection	2			
Floor		9	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		9	N	Welded pipe
Separation (mm)				
Longitudinal Seams		9	N	Welded pipe
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		7	7	Ungalvanized WSP has superficial rust.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

Bridge Inspection & Maintenance System (Web 2005)

70347 - 2 Bridge Culvert

		Brid	dae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,			, Rise (mm): 1804, Type: SSP)
Ponding (Y/N)	No			
Fish Passage Adequacy		9	9	
Baffle		9	N	4 rows at d/s end08-Oct-2010
(Type : SPOILER)		0		
Waterway Adequacy		9	9	
Icing (Y/N)	No		_	
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating		9 N		Lat rated 9 on 08-Oct-2010
			ownst	ream End
Culvert Component		1	1	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)	Last	140 W	
Direction		E		North pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall	1	X	Х	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		9	9	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	350			
Scour Protection		9	N	Snow covered
(Type : RIP RAP)				_
(Avg. Rock Size(mm) : 600)				
Scour/Erosion		9	N	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	9	9	
		S	Structu	re Usage
				Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				Not visible
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating		7	7	

Maintenance Recommendations													
Inspector Recommendations	Inspector Recommendations Year			or Comments			Department Con	nmen	ts	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTO	FF												
REPAIR SEAMS													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No (%)	w)	100.0/55.6		Sufficiency Rating (Last/Now) (%)		ow)	98.5/76.0 Est. Repl. \		t. Repl. Yr	2060 Maint.		qd. (Y/N)	No
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	Kris Bo	sters				Previous .	Assistant's Name						
Next Inspection Date	18-Jul-2	18-Jul-2016 Previo					bus Inspection Date 08-Oct-2010						
Inspection Cycle (Default) (months)	39												
Comment													