(Height of Cover(m) : 1.4)

				Brid	ge Culv	ert Inspect	ion				
Bridge File Nu	mber	74992 -1 Bridge Culvert				Form Typ		CULE			
Year Built/Line		1959/2				Lot No.		4			
Bridge or Tow	n Name		_E PRAIR			Inspector	Name	Russel Vanderschaaf			
Located Over			TARY TO BO	YER RIVER, 8.1	0.23.11,	· ·		BR CLS B			
WATERCRS-ST					Assistant	Name					
Located On	ed On 35:12 C1 36.542				Assistant	Class					
Water Body C							n Date	15-Nov-2011			
Navigabil. Cl./							Data Entry By Theresa Lacusta				
Legal Land Lo			SEC 10 TWP 104 RGE 21 W5M				y Date	13-Dec-2011			
Longitude, Lat			3:22, 58:00:42			Reviewer	Name	Eric Carcoux			
Road Authority			Transportation	on (AIT)		Review D	ate	12-Dec-2011			
Contract Main		CMA0	1			Dept. Rev	iewer Name	Steve Pasqua	an		
Clear Roadwa	y/Skew	10.9 /				Dept. Rev	iew Date	10-Jan-2012			
AADT/Year			2010 (A)			Follow-Up	э Ву				
Road Classific			10-110								
Detour Length		999									
Bridge Culve		ation									
Number of Cu	T		3			1.					
Pipe #	Barrel		Span	Rise (or Dia.)			ength	Corr. Profile	PI./Slab Thickness	Shape	
3	U/S FL LINER	JLL ———	-	1400	MP	8.		125X26	2.8	ROUND	
3	MAIN F	FULL	-	1219	SSP	16			12.7	ROUND	
3	D/S FU LINER	JLL	-	1400	MP		7	125X26	2.8	ROUND	
4	U/S		-	2000	MP	8.	7	125X26	2.8	ROUND	
4	MAIN		-	1829	SSP	16			12.7	ROUND	
4	D/S		-	2000	MP	8.	8.7		2.8	ROUND	
5	U/S FL LINER	JLL	-	1400	MP	8.7		125X26	2.8	ROUND	
5	MAIN F LINER	FULL	-	1219	SSP	16			12.7	ROUND	
5	D/S FL LINER	JLL	-	1400	MP	8.	7	125X26	2.8	ROUND	
Special Featur	res										
Special Featur	res Com	ment									
Licitie Arr					tilities (Located at					
Utility Attachm	ents					0					
Telephone	-	- / -				Gas					
Power	5 wire	o/h alo	ng W. ditch.			Municipal					
Others						Problem ((Y/N) No				
Remarks					a de D	d / E					
				i i		d / Emban		ition			
Horizontal Alig	nmont			Las	t Now 7		ion of Cond	RANCE 50M S.			
Vertical Alignn				9	8	CAMPGN	COOND ENT	RANCE JUM 3.	•		
Roadway Wid	th (m)		10.900								
Embankment				6	8						
Sideslope (_	·1)		4.0	0	U						
(Height of C	•		٦.٥								

		Approac	ch Roa	d / Embankment
		Last	Now	Explanation of Condition
Guardrail (Y/N)	No			
Approach Road / Embankment	General Rating	7	7	
			Upstre	eam End
Culvert Component				
(Pipe #: 3, Span Type: Second	dary Span)			
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		X	Х	
(Shape:)				
Cutoff Wall		X	Х	
Bevel End		9	7	
Heaving (mm)	0		_	
Invert Above/Below Stream Bed	BELOW			Covered with ice/snow.
Above/Below (mm)	400			
Scour Protection		8	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		8	7	No evident problems through snow.
Beavers (Y/N)	No			
Upstream End General Rating		8	7	
		Brie	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, Lo	ocation Code: U/S, S	Span (mı	m):	, Rise (mm): 1400, Type: MP)
Barrel Last Accessible Date	18-Feb-2010			1m of water in pipe
Special Features			_	
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		9	N	Floor covered with ice.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				_
Percent Sag			_	
Sidewall		9	N	est
Measured Span (mm)	1394			@ cl
Measured At Ring No.				
Deflection (mm)	6			l
Percent Deflection				deflection inward.
Floor		N	N	Covered with ice.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, L	ocation Code: U/S, S	Span (mr	n):	, Rise (mm): 1400, Type: MP)
Circumferential Seams		X	N	
Separation (mm)				
Longitudinal Seams		X	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)				
Coating		8	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		9	9	
Baffle		N	N	
(Type : WEIR)				
Waterway Adequacy		9	6	
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rati	ng	9	N	GR was 9 on 18-Feb-2010
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, L	ocation Code: MAIN,	, Span (r	nm):	, Rise (mm): 1219, Type: SSP)
Barrel Last Accessible Date	18-Feb-2010			1m of water in pipe
Special Features				
Special Feature				
(Type:)			_	
Special Feature				
(Type:)				
Roof		8	N	Floor covered with ice.
Measured Rise (mm)	1393			(May 16, 2008)
Measured At Ring No.				
Sag (mm)	7			
Percent Sag	1			
Sidewall		8	N	Superficial corrosion lower 1/218-Feb-2010
Measured Span (mm)	1210			
Measured At Ring No.				
Deflection (mm)	9			
Percent Deflection	1			deflection inward.
Floor		N	N	Floor covered with ice.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, Lo	cation Code: MAIN,	Span (r	nm):	, Rise (mm): 1219, Type: SSP)
Circumferential Seams		X	N	`,
Separation (mm)	0			
Longitudinal Seams		X	X	
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		5	N	Superficial corrosion lower 1/218-Feb-2010
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		9	9	
Baffle		N	N	
(Type: WEIR)				
Waterway Adequacy		9	6	
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	N	GR was 8 on 18-Feb-2010
		D	ownst	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Span Type: Second	lary Span)			
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		X	Х	
(Shape:)				
Cutoff Wall		X	Х	
Bevel End		9	N	Covered with snow/ice.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	No evident problems.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	

	am End			
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 4, Span Type: Primary	/ Span)			
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		8	8	Small dent on top of bevel.
Heaving (mm)	0			·
Invert Above/Below Stream Bed	BELOW			Covered with ice/snow.
Above/Below (mm)	700			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	No evident problems.
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Bric	dae Cu	lvert Barrel
Culvert Component		Last	Now	
Culvert Component (Pipe # : 4, Primary Span, Loca	tion Code: U/S, Span	Last	Now	Explanation of Condition Rise (mm): 2000, Type: MP)
-	tion Code: U/S, Span 18-Feb-2010	Last	Now	Explanation of Condition
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date		Last	Now	Explanation of Condition Rise (mm): 2000, Type: MP)
(Pipe # : 4, Primary Span, Loca		Last	Now	Explanation of Condition Rise (mm): 2000, Type: MP)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature		Last	Now	Explanation of Condition Rise (mm): 2000, Type: MP)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :)		Last	Now	Explanation of Condition Rise (mm): 2000, Type: MP)
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature		Last	Now	Explanation of Condition Rise (mm): 2000, Type: MP)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)		Last	Now	Explanation of Condition Rise (mm): 2000, Type: MP)
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof	18-Feb-2010	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)		Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice.
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	18-Feb-2010	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice.
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	18-Feb-2010	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice.
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	18-Feb-2010	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	18-Feb-2010	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice.
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	18-Feb-2010	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	18-Feb-2010 1829 2002	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	18-Feb-2010	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection	18-Feb-2010 1829 2002	9 9	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor	18-Feb-2010 1829 2002	Last (mm):	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008) est CL
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	18-Feb-2010 1829 2002	9 9	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008)
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	18-Feb-2010 1829 2002 2	9 9	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008) est CL
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N)	18-Feb-2010 1829 2002	9 9	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008) est CL
(Pipe # : 4, Primary Span, Loca Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	18-Feb-2010 1829 2002 2	9 9	Now , I	Explanation of Condition Rise (mm): 2000, Type: MP) 1 m of water Floor covered with ice. (May 16, 2008) est CL

		Brio	dge Cul	ulvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Primary Span, Locat	tion Code: U/S, Span	(mm):	, F	Rise (mm): 2000, Type: MP)
Longitudinal Seams		X	X	
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		8	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			
Fish Passage Adequacy		9	9	
Baffle		N	N	
(Type : WEIR)				
Waterway Adequacy	l	9	6	
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No		1	
Barrel Extension General Ratin	g	9	N	GR was 9 on 18-Feb-2010
		Brio	dge Cul	ulvert Barrel
Culvert Component		Brid Last		
Culvert Component (Pipe # : 4, Primary Span, Locat	tion Code: MAIN, Spa	Last	Now	
	tion Code: MAIN, Spa 18-Feb-2010	Last	Now	Explanation of Condition
(Pipe # : 4, Primary Span, Locat		Last	Now	Explanation of Condition , Rise (mm): 1829, Type: SSP)
(Pipe # : 4, Primary Span, Locat Barrel Last Accessible Date		Last	Now	Explanation of Condition , Rise (mm): 1829, Type: SSP)
(Pipe # : 4, Primary Span, Locat Barrel Last Accessible Date Special Features		Last	Now	Explanation of Condition , Rise (mm): 1829, Type: SSP)
(Pipe # : 4, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1829, Type: SSP)
(Pipe # : 4, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature (Type :)		Last	Now	Explanation of Condition , Rise (mm): 1829, Type: SSP)
(Pipe # : 4, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1829, Type: SSP)
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)		Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water
(Pipe # : 4, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof	18-Feb-2010	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	18-Feb-2010	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	18-Feb-2010	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	18-Feb-2010	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	18-Feb-2010	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008)
(Pipe # : 4, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	18-Feb-2010	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008)
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	18-Feb-2010	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008) CL Superficial corrosion lower 1/2.
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	18-Feb-2010 1829	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008) CL Superficial corrosion lower 1/218-Feb-2010
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	18-Feb-2010 1829	Last n (mm	Now):	Explanation of Condition Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008) CL Superficial corrosion lower 1/218-Feb-2010 deflection inward.
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection	18-Feb-2010 1829	7	Now):	Explanation of Condition , Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008) CL Superficial corrosion lower 1/218-Feb-2010
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor	18-Feb-2010 1829 1825	7	Now):	Explanation of Condition Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008) CL Superficial corrosion lower 1/218-Feb-2010 deflection inward.
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	18-Feb-2010 1829 1825	7	Now):	Explanation of Condition Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008) CL Superficial corrosion lower 1/218-Feb-2010 deflection inward.
(Pipe # : 4, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	18-Feb-2010 1829 1825 4	7	Now):	Explanation of Condition Rise (mm): 1829, Type: SSP) 1m of water (May 16, 2008) CL Superficial corrosion lower 1/218-Feb-2010 deflection inward.

		Bri	ılvert Barrel			
Culvert Component			Now	Explanation of Condition		
(Pipe # : 4, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1829, Type: SSP)		
Longitudinal Seams		X	X			
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		5	N	Superficial corrosion lower 1/218-Feb-2010		
Corrosion By Soil (Y/N)	No					
Corrosion By Water (Y/N)	Yes					
Camber POS/ZERO/NEG	ZERO					
Ponding (Y/N)	Yes					
Fish Passage Adequacy		9	9			
Baffle		N	N			
(Type : WEIR)						
Waterway Adequacy		9	6			
Icing (Y/N)	Yes					
Silting (Y/N)	No					
Drift (Y/N)	No					
Barrel General Rating		7	N	GR was 7 on 18-Feb-2010		
		D	ownstr	ream End		
Culvert Component			Now	Explanation of Condition		
(Pipe # : 4, Span Type: Primary	Span)					
Direction		E				
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall		Х	Х			
Collar		Х	Х			
Wingwalls		Х	X			
(Shape :)						
Cutoff Wall		X	X			
Bevel End		9	N	Covered with ice/snow.		
Heaving (mm)	0					
Invert Above/Below Stream Bed	BELOW					
Above/Below (mm)	700					
Scour Protection		8	8			
(Type : RIP RAP)						
(Avg. Rock Size(mm) : 300)						
Scour/Erosion		8	8	No evident problems.		
Beavers (Y/N)	No					
Downstream End General Ratin	ng	8	8			

			eam End			
Culvert Component		Last	Now	Explanation of Condition		
(Pipe # : 5, Span Type: Second	lary Span)					
Direction		W				
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall		Х	Х			
Collar		Х	Х			
Wingwalls		Х	Х			
(Shape:)						
Cutoff Wall		Х	Х			
Bevel End		9	8			
Heaving (mm)	0					
Invert Above/Below Stream Bed						
Above/Below (mm)	400					
Scour Protection	100	8	8			
(Type : RIP RAP)						
(Avg. Rock Size(mm) : 300)						
Scour/Erosion		8	8	No evident problems		
Beavers (Y/N)	No					
Upstream End General Rating		8	8			
		Bric	dae Cu	lvert Barrel		
Culvert Component			T			
Culvert Component (Pipe # : 5, Secondary Span, Lo	ocation Code: U/S, Sp	Last	Now	Explanation of Condition		
Culvert Component (Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date	ocation Code: U/S, Sp 18-Feb-2010	Last	Now			
(Pipe # : 5, Secondary Span, Lo		Last	Now	Explanation of Condition , Rise (mm): 1400, Type: MP)		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features		Last	Now	Explanation of Condition , Rise (mm): 1400, Type: MP)		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1400, Type: MP)		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)		Last	Now	Explanation of Condition , Rise (mm): 1400, Type: MP)		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1400, Type: MP)		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)		Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof		Last	Now	Explanation of Condition , Rise (mm): 1400, Type: MP)		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)		Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.		Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)		Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag		Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	18-Feb-2010	Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)		Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice.		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Measured Span (mm) Measured At Ring No.	18-Feb-2010	Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice.		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	18-Feb-2010	Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice.		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection	18-Feb-2010	9	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice. @ cl-18-Feb-2010		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor	18-Feb-2010	Last an (mn	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice.		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	18-Feb-2010	9	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice. @ cl-18-Feb-2010		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	18-Feb-2010	9	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice. @ cl-18-Feb-2010		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N)	18-Feb-2010	9 8	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice. @ cl-18-Feb-2010		
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	18-Feb-2010	9	Now n):	Explanation of Condition , Rise (mm): 1400, Type: MP) 1m of water Floor covered with ice. @ cl-18-Feb-2010		

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 5, Secondary Span, Lo	ocation Code: U/S, Sp	an (mr	n):	, Rise (mm): 1400, Type: MP)
Longitudinal Seams		X	X	
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		8	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			
Fish Passage Adequacy		8	9	
Baffle		N	N	
(Type : WEIR)			,	
Waterway Adequacy		8	6	
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratir	ng	8	N	GR was 8 on 18-Feb-2010
		Brio	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 5, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1219, Type: SSP)
Barrel Last Accessible Date	18-Feb-2010			1m of water
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)			_	
Roof		7	N	Minor superficial corrosion.
Measured Rise (mm)	1400			(May16, 2008)
Measured At Ring No.				Floor covered with ice.
Sag (mm)				
Percent Sag				
Sidewall		7	N	Minor superficial corrosion18-Feb-2010
Measured Span (mm)	1209			
Measured At Ring No.				
Deflection (mm)	10			
Percent Deflection	0			deflection inward.
Floor		N	N	Floor covered with ice.
		14	1.4	
Bulge (mm)		14	14	
		17	14	
Bulge (mm)	No			
Bulge (mm) Measured At Ring No.	No	X	X	

		Bric	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 5, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 1219, Type: SSP)
Longitudinal Seams		Х	X	
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		6	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		8	9	
Baffle		N	N	
(Type : WEIR)			-	
Waterway Adequacy		8	6	
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	N	GR was 7 on 18-Feb-2010
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 5, Span Type: Second	ary Span)			
Direction		Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		9	N	Covered with snow.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	No evident problems.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	9	8	

Structure Usage								
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)			_					
Alignment		6	5	Enters at 75 deg and exits at 75 deg.				
Bank Stability		6	7	(Well vegetatedMay 16, 2008)				
HWM (m below Top of Culvert)				HWN NOT VISIBLE				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1	FISH POND WITH 1M	ROCI	K)	Fish pond at U/S end with class 1m rock.				
(Fish Compensation Measure 2	NONE)			Covered with snow.				
Channel General Rating		6	5					

		Maintenanc	e Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comn	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·							
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 77.8/5	5.6 Sufficiency Rating (L (%)	.ast/Now)	79.8/59.7	Est. Repl. Yr	2060	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Brian Pientsch	1	Previous	Assistant's Name	Lisbeth Medin	а			
Next Inspection Date	15-Aug-2013		Previous	Inspection Date	18-Feb-2010				
Inspection Cycle (Default) (months)	21								
Comment									