					Brida	e Culve	ert Inspec	rtion				
Bridge File Nu	mber	08423	-1 Bridge Culve	ert	Dilidg	e Cuiv	Form Ty			CULM		
Year Built						Lot No.		<del>                                      </del>		2		
Bridge or Town	n Name		FF				Inspecto	r Name		Todd Warshawski		
Located Over			CREEK, 7.4, W	/ATERCR	S-ST		Inspecto			BR CLS B		
Located On			ROAD		<del></del>		· ·	Assistant Name				
Water Body Cl	/Year						Assistan					
Navigabil. Cl./							Inspection			03-Apr-2013		
Legal Land Location NE SEC 10 TWP 62 RGE 2 W4M				M		Data En			Theresa Lacusta			
Longitude, Latitude -110:12:55, 54:21:14								Entry Date 24-Apr-2013				
									Reviewer Name Eric Carcoux			
								Review Date 21-Apr-2013				
Clear Roadwa			deg. (RHF)						Name	Brent Herrick		
AADT/Year	<i>y</i> , <b>O</b> .(O).	70 / 20					Dept. Re			01-May-2013		
Road Classific	ation	RLU-20					Follow-L			01 May 2010		
Detour Length		999	00 100					, p 2,				
Bridge Culver												
Number of Cul			2									
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	e Length			Corr. Profile	PI./Slab Thickness	Shape
1	MAIN		-	2120		SP		30.6		152X51	3.5	ROUND
2	MAIN		-	1500		SP		32.9		152X51	2.8	ROUND
Special Featur	es						<u> </u>					
Special Featur		ment										
					Uti	lities (L	Located a	it)				
Utility Attachm												
Telephone	South						Gas					
Power	3 wire	s South	l				Municipa					
Others							Problem	(Y/N)	No			
Remarks												
				Aŗ			d / Embar					
								Explanation of Condition  Intersection to West. Curve to East, limited sight distances. S				
Horizontal Alig					4	4	curve. O	curve. On uphill grade to East, limited signt distances. S				
Vertical Alignm	nent				4	4	, <u>G</u> <u></u>					
Roadway Widt	h (m)		8.500									
Embankment					4	3	Steep si	Steep sideslopes both sides, heavy vegetation.				
Sideslope (_	:1)		1.0			Sloughing at base of s			ope/along culv	ert.		
(Height of Co		2.4)										
Guardrail (Y/N		,	No				Required due to steep sideslopes.					
Approach Ro	ad / Emi	oankme	ent General Ra	ting	4	3						
						<u>Upstre</u>	eam End					
Culvert Comp	onent				Last		Explana	tion of (	Condi	tion		
(Pipe # : <b>1, S</b> p		e: Prima	ary Span)									
Direction					S		East pip	e.				
End Treatment (Concrete, Steel, STEEL Others, None)												
Headwall					Х	Х						
Collar			Х	Х								

08423 -1 Bridge Culvert

			Unetro	eam End
Culvert Component				Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)	Luot	111011	Explanation of Condition
Wingwalls		X	Х	
(Shape: )				
Cutoff Wall		X	X	
Bevel End		N	4	Bevel end bent/torn from beaverdam removals.
Heaving (mm)	300			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	200			
Scour Protection		N	N	Under snow/ice
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	Under snow/ice
Beavers (Y/N)	Yes			Old beaver dam causing main flow to hit pipe at an angle.
Unatroom End Conoral Bating		6	1	
Upstream End General Rating		0	4	
		Brid	dge Cu	ılvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, S	pan (mm	ı):	, Rise (mm): 2120, Type: SP)
Barrel Last Accessible Date	03-Apr-2013			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	6	Not measured due to ice.
Measured Rise (mm)				Sag est less than 5%
Measured At Ring No.				- Gag est less than 570
Sag (mm)				
Percent Sag				
Sidewall		5	6	
Measured Span (mm)	2220			
Measured At Ring No.	6			
Deflection (mm)	100			
Percent Deflection	5			
Floor		N	N	Ice covered
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	6	Lower 1/3 not rated.
Separation (mm)				
Longitudinal Seams		N	6	Lower 1/3 not rated.
Total No. of Cracked Rings				1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				1N
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			

		Brid	dae Cu	Ivert Barrel		
Culvert Component			Now	Explanation of Condition		
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. Sn			, Rise (mm): 2120, Type: SP)		
Coating	, <u>.</u>	5	5	Superficial rust on floorJun-2005		
Corrosion By Soil (Y/N)						
Corrosion By Water (Y/N)						
Camber POS/ZERO/NEG	NEG					
	0					
Ponding (Y/N)						
Fish Passage Adequacy		3	3	Drop off at outlet. (No place to take photo from.)-Aug-2008		
				Snow/ice covered		
Baffle		X	X	Onowhite covered		
(Type:)						
		7	7			
Waterway Adequacy	Na	/	/			
Icing (Y/N)	No					
Silting (Y/N)	No					
Drift (Y/N)	Yes	_	T -			
Barrel General Rating		N	6			
		D	ownstr	ream End		
Culvert Component		Last	Now	Explanation of Condition		
(Pipe # : 1, Span Type: Primary	Span)					
Direction	• •	N				
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall		Х	Х			
Collar		Х	Х			
Wingwalls		X	Х			
(Shape: )						
Cutoff Wall		X	Х			
Bevel End		6	5	NE bevel pushed inward		
Heaving (mm)	100					
Invert Above/Below Stream Bed	ABOVE					
Above/Below (mm)	1000					
Scour Protection		4	N	Snow/ice covered		
(Type : <b>RIP RAP</b> )				1		
(Avg. Rock Size(mm) : <b>400</b> )						
Scour/Erosion		4	N	Drop off outlet protected with rockAug-2008		
Beavers (Y/N)	No			Drift partially blocks outlet flowsAug-2008		
Downstream End General Rating		4	4	GR carried fwd from Aug-2008		
			Up <u>stre</u>	am End		
Culvert Component		Last		Explanation of Condition		
(Pipe # : 2, Span Type: Second	ary Span)					
Direction		S		West pipe.		
End Treatment (Concrete, Steel, Others, None)	STEEL			Not found - submerged.		
Headwall		Х	Х			
Collar		Х	Х			

08423 -1 Bridge Culvert

Culvert Component [Pipe # 1.2 Span Type: Secondary Span)  Wingroalis  X X  [Shape : ]  Cuteft Wall  X X  Bevel End  N N N  End curied up approx 150mm. West side bent inward 200mm. Aug-2008  Inward Above/Below Stream Bed ABOVE  Above/Below (mm)  Sour Protection  (Type: NATURAL)  [Avg. Rock Size(mm):)  Sour/Eroselion  Ves  Upstream End General Rating  4 4 G.R. based on bevel rating of *4* from 07:June/2005.  Bridgs Cutvert Barrol  Culvert Component  Last Now Explanation of Condition  (Pipe # 2. Secondary Span, Location Code: MAIN, Span (mm):  Barrol Last Accessible Date  Special Feature  (Type:)  Special Feature  (Type:)  Roof Roure (mm)  Measured Ring No.  Detection (mm)  Measured A Ring No.  Detection (mm)  Percent Deflection  Floor  N N N  Submerged due to dam backing up waterAug-2008  (**Irom 07:June/2005.**  Bridgs Cutvert Barrol  Last Now Explanation of Condition  Rise (mm): 1500, Type: SP)  Not accessible - submerged  Not accessible		Upstream End							
Wingwalls	Culvert Component		Last	Now	Explanation of Condition				
Shape:   Cutoff Wail   X X   End curied up approx 150mm.   West side bent inward 200mmAug-2008   N N N   End curied up approx 150mm.   West side bent inward 200mmAug-2008   N N N   Submerged due to dam backing up waterAug-2008   N N N   Submerged due to dam backing up waterAug-2008   N N N   N   Submerged due to dam backing up waterAug-2008   N N N   N   N   N   N   N   N   N	(Pipe # : 2, Span Type: Second	ary Span)							
Sevel End	Wingwalls		Х	Х					
Bevel End	(Shape: )								
Interest Above/Below (mm) 200  Above/Below (mm) 200  (Type: NATURAL) (Ayg, Rock Size(mm):)  Scour/Protection  N N N  Beavers (Y/N)  Ves  Upstream End General Rating  4 4 G.R. based on bevel rating of "4" from 07/June/2005.  Bridge Cutvert Barrel  Culvert Component    Last   Now   Explanation of Condition (Pipe 8: 2, Secondary Span, Location Code: MAIN, Span (mm):  Special Feature (Type:)  Special Feature (Type:)  Special Feature (Type:)  Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall No N Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Abrasion (Y/N)  Circumferential Seams N N N  Submerged due to dam backing up waterAug-2008  Submerged due to dam backing up waterAug-2008  Submerged due to dam backing up waterAug-2008  Last Now Explanation of Condition  Rise (mm): Rise (mm): 1500, Type: SP)  Not accressible - submerged  Not accressible - subme	Cutoff Wall		Х	X					
Interest Above/Below (mm) 200  Above/Below (mm) 200  (Type: NATURAL) (Ayg, Rock Size(mm):)  Scour/Protection  N N N  Beavers (Y/N)  Ves  Upstream End General Rating  4 4 G.R. based on bevel rating of "4" from 07/June/2005.  Bridge Cutvert Barrel  Culvert Component    Last   Now   Explanation of Condition (Pipe 8: 2, Secondary Span, Location Code: MAIN, Span (mm):  Special Feature (Type:)  Special Feature (Type:)  Special Feature (Type:)  Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall No N Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Deflection (mm)  Measured At Ring No. Abrasion (Y/N)  Circumferential Seams N N N  Submerged due to dam backing up waterAug-2008  Submerged due to dam backing up waterAug-2008  Submerged due to dam backing up waterAug-2008  Last Now Explanation of Condition  Rise (mm): Rise (mm): 1500, Type: SP)  Not accressible - submerged  Not accressible - subme	Bevel End		N	N	End curled up approx 150mm.				
Above/Below (mm) 200  Scour Protection N N N  Crype : NATURAL)  (Avg. Rock Size(mm) :)  Scour/Erosion N N  Beavers (Y/N)  Upstream End General Rating 4 4 G.R. based on bevel rating of '4" from 07/June/2005.  Bridge Cutvert Barrel  Cutvert Component  (Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm):  Barrel Last Accessible Date  Special Features  Special Feature  (Type :)  Special Feature  (Type :)  Resor Massured At Ring No.  Sag (mm)  Percent Sag  Sidewall N N N  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor N N N  Builge (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor N N N  Separation (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor N N N  Separation (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor N N N  Separation (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor N N N  Separation (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor N N N  Separation (mm)  Measured At Ring No.  Deflection (mm)  Measured At Ring No.  Abrasion (Y/N)  Total No. of Cracked Rings  Total No. of Cracked Rings  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel  Between Cracked Seams  Min. Remaining Steel  Between Cracked Seams  Min. Remaining Steel  Between Cracked Seams	Heaving (mm)	400			West side bent inward 200mmAug-2008				
Scour Protection   N	Invert Above/Below Stream Bed	ABOVE							
(Type : NATURAL) (Avg. Rock Size(mm) : ) Scour/Erosion	Above/Below (mm)	200							
(Avg. Rock Size(mm):)   Scour/Erosion   N   N	Scour Protection		N	N	Submerged due to dam backing up waterAug-2008				
Scour/Erosion   N   N   N	(Type : <b>NATURAL</b> )								
Upstream End General Rating	(Avg. Rock Size(mm):)								
Upstream End General Rating  4			N	N					
Bridge Culvert Barrel  Culvert Component (Pipe #: 2, Secondary Span, Location Code: MAIN, Span (mm):  Barrel Last Accessible Date    Not accessible - submerged   Not accessible - submerged	Beavers (Y/N)	Yes							
Culvert Component (Pipe #: 2, Secondary Span, Location Code: MAIN, Span (mm):  Barrel Last Accessible Date  Special Features Special Feature (Type :) Special Feature (Type	Upstream End General Rating		4	4	G.R. based on bevel rating of "4" from 07/June/2005.				
Culvert Component (Pipe #: 2, Secondary Span, Location Code: MAIN, Span (mm):  Barrel Last Accessible Date  Special Features Special Feature (Type :) Special Feature (Type			Deid	dae Cu	hvort Borrol				
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1500, Type: SP)  Barrel Last Accessible Date  Special Feature  (Type :)  Special Feature  (Type :)  Roof	Culvert Component								
Barrel Last Accessible Date  Special Features  Special Feature  (Type:) Special Feature  (Type:) Special Feature  (Type:) Roof N N N Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall N N N Measured At Ring No. Deflection (mm)  Percent Deflection Floor N N N Bulge (mm) Measured At Ring No. Deflection (mm)  Circumferential Seams N N Separation (mm)  Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Ciracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	•	Cation Code: MAIN 5			· •				
Special Feature   (Type:)		dation code: many, e	Jpan (i	,.					
Special Feature   CType:   Special Feature   CType:   Special Feature   CType:   Special Feature   S	Barrer East / toccosible Bate				That docessible Submerged				
Type:   Special Feature   Commonstrate   Special Feature   Sp	Special Features								
Special Feature (Type:)  Roof N N N  Measured Rise (mm)  Measured At Ring No.  Sag (mm)  Percent Sag  Sidewall N N N  Measured Span (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor N N N  Bulge (mm)  Measured At Ring No.  Abrasion (Y/N)  Circumferential Seams N N  Separation (mm)  Longitudinal Seams  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Special Feature								
CType:)   Roof	(Type:)								
Roof N N N  Measured Rise (mm)  Measured At Ring No. Sag (mm) Percent Sag  Sidewall N N N  Measured Span (mm)  Measured At Ring No. Deflection (mm) Percent Deflection  Floor N N N  Bulge (mm) Measured At Ring No. Abrasion (Y/N)  Circumferential Seams Separation (mm)  Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Special Feature								
Measured Rise (mm)  Measured At Ring No. Sag (mm) Percent Sag  Sidewall N N Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor N N Measured At Ring No. Abrasion (Y/N)  Circumferential Seams N N Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	(Type:)								
Measured At Ring No. Sag (mm) Percent Sag Sidewall N N N Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor N N N Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams N N N Separation (mm) Longitudinal Seams N N N Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Roof		N	N					
Sag (mm) Percent Sag  Sidewall NNN Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor NNN Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams NNN Separation (mm) Longitudinal Seams NNN Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured Rise (mm)								
Percent Sag  Sidewall  N N  Measured Span (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor  N N  Bulge (mm)  Measured At Ring No.  Abrasion (Y/N)  Circumferential Seams  N N  Separation (mm)  Longitudinal Seams  N N  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Measured At Ring No.								
Sidewall  Measured Span (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor  Rulge (mm)  Measured At Ring No.  Abrasion (Y/N)  Circumferential Seams  N N  Separation (mm)  Longitudinal Seams  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Sag (mm)								
Measured Span (mm)  Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor  Rulge (mm)  Measured At Ring No.  Abrasin (Y/N)  Circumferential Seams  Separation (mm)  Longitudinal Seams  N N  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Percent Sag								
Measured At Ring No.  Deflection (mm)  Percent Deflection  Floor  N N N  Bulge (mm)  Measured At Ring No.  Abrasion (Y/N)  Circumferential Seams  N N  Separation (mm)  Longitudinal Seams  N N  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Sidewall		N	N					
Deflection (mm) Percent Deflection  Floor  Rulge (mm) Measured At Ring No. Abrasion (Y/N)  Circumferential Seams N N Separation (mm)  Longitudinal Seams N N Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured Span (mm)								
Percent Deflection  Floor  N N  Bulge (mm)  Measured At Ring No.  Abrasion (Y/N)  Circumferential Seams  N N  Separation (mm)  Longitudinal Seams  N N  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Measured At Ring No.								
Floor  Bulge (mm)  Measured At Ring No.  Abrasion (Y/N)  Circumferential Seams  N N  Separation (mm)  Longitudinal Seams  N N  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Deflection (mm)								
Bulge (mm)  Measured At Ring No.  Abrasion (Y/N)  Circumferential Seams  N N  Separation (mm)  Longitudinal Seams  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Percent Deflection								
Measured At Ring No. Abrasion (Y/N)  Circumferential Seams  N Separation (mm)  Longitudinal Seams N Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Floor		N	N					
Abrasion (Y/N)  Circumferential Seams  N Separation (mm)  Longitudinal Seams N Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Bulge (mm)								
Circumferential Seams N N Separation (mm)  Longitudinal Seams N N Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Measured At Ring No.								
Separation (mm)  Longitudinal Seams N N  Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Abrasion (Y/N)								
Longitudinal Seams  N N Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Circumferential Seams		N	N					
Total No. of Cracked Rings  Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Separation (mm)								
Total No. of Rings with Two Cracked Seams  Min. Remaining Steel Between Cracks (mm)  Proper Lap (Y/N)	Longitudinal Seams		N	N					
Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Total No. of Cracked Rings								
Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)	Total No. of Rings with Two Cracked Seams								
Proper Lap (Y/N)									
	Longitudinal Stagger (Y/N)								

08423 -1 Bridge Culvert

Culvert Component										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 1500, Type: SP)						
Coating		N	N	(Superficial rust on floor. 07/June/2005)						
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									
Fish Passage Adequacy		3	N	Outlet dammed by beaver damAug-2008						
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		N	N							
	No			(07/ lune/2005)						
				(07/June/2005)						
		N	N	G.R. was "7" from 07/June/2005 but barrel never accessed.						
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)									
Direction		N		Not found - submerged						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape: )										
Cutoff Wall		Х	Х							
Bevel End		N	N	Partially cut off. Partially submerged due to beaver damAug-2008						
Heaving (mm)										
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	1000									
Scour Protection		N	N							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)										
Scour/Erosion		N	N							
Beavers (Y/N)	No									
Downstream End General Rating		4	4	G.R. was "4" from 07/June/2005 as per all elements.						
		s	tructu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		4	4	Old beaver dam deflects flow at poor angle @ entrance.						
Bank Stability		5	5							
HWM (m below Top of Culvert)				Debris on upper bolts. May have been due to d/s beaverdam.						
Drift (Y/N)	Yes									

Structure Usage								
		Last	Now	Explanation of Condition				
Channel Bottom Degrading/Aggrading DEGRADING				Degrading d/s due to drop to river.				
Beavers (Y/N) Yes								
(Fish Compensation Measure 1 :	(Fish Compensation Measure 1 : NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			4					

·	<b>5</b> .	,					
		Maintenance Re	ecommendations				
Inspector Recommendations	Department Comm	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Remove dams @ both ends.					
INSTALL CONCRETE/STEEL LINING	i						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUTO	OFF						
REPAIR SEAMS							
OTHER ACTION	2013	Install guardrail.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/No. (%)	ow) 55.6/66	.7 Sufficiency Rating (Last/	Now) 39.2/42.4	Est. Repl. Yr 2030	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection Culvert extensions	undermining at o and sideslope in	utlets. nprovements should be considered.	Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Dave Lam		Previous Assistant's Name				
Next Inspection Date	03-Jan-2018		Previous Inspection Date				
Inspection Cycle (Default) (months)	57		·	13-Aug-2008			
Comment							