73879 E-2 Bridge Culvert

					Brida	o Culve	art Inene	ection						
Bridge File Number 73879 E-2 Bridge Culvert					Billag	e Cuive	ert Inspection Form Type		CUL1					
Year Built 1999							Lot No.			2				
Bridge or Town	n Name		COURT				Inspector Name		Kris Bosters					
Located Over	1111441110		DEE CREEK,	8 11 110			Inspector Class			BR CLS A				
Located Over		WATER	CRS-ST	,			Assistant Name			525 //				
Located On		43:14 R	23.099				Assistant Class							
Water Body Cl./Year					Inspection Date			04-Oct-2011						
Navigabil. Cl./Year							Data Entry By		Theresa Lacusta					
Legal Land Location NE SEC 2			24 TMD 60 DCE 14 M/5M				Data Entry Date			25-Oct-2011				
		47, 54:12:24				Reviewer Name			Eric Carcoux					
		Transportation (AIT)				Review Date			22-Oct-2011					
Contract Main. Area CMA12						Dept. Reviewer Name								
Clear Roadwa	y/Skew	12.4 / 0	deg.				Dept. Review Date			26-Oct-2011				
AADT/Year		6,030 / 2	30 / 2010 (A)											
Road Classific	ation	RAD-412	2.4-120				Follow-Up By							
Detour Length	(km)	1												
Bridge Culver	rt Inform	nation												
Number of Cul	lverts	•	1											
Pipe #	Barrel	(Span	pan Rise (or I		Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-	-	6160		SP	111.546			152X51	7.0	ROUND		
Special Featur	res													
Special Featur	res Com	ment												
·														
					Ut	ilities (L	ocated	at)						
Utility Attachm	ents						I -							
Telephone							Gas							
Power							Municip							
Others BF tag installed on top of North end of p				pipe.		Probler	n (Y/N)	No						
Remarks														
				A			I / Embankment Explanation of Condition							
Horizontal Alignment				7	7	Bottom of sag curve.								
					7	7	Section of day out vo.							
Vertical Alignment Roadway Width (m) 12.500			,											
Noadway Widi	ui (iii <i>)</i>		12.500											
Embankment					8	8	Benched South side (4:1 for 5m then 6:1), North end measured (4:1							
Sideslope (:1) 4.0						then 3:	1).							
(Height of Co	over(m)	: 10)												
Guardrail (Y/N	Guardrail (Y/N) Yes						10 posts broken NW-photo							
Approach Ro	ad / Eml	bankmen	it General Rat	ting	7	7								
						Unetro	am End							
Culvert Comp	onent				Last	Now		ation of (Condi	tion				
Direction			N	1.1011	_Apiuli									
End Treatment (Concrete, Steel, CONCRETE														
Others, None) Headwall			8	8										
Collar			7	7	Mediun	Medium transverse cracks.								
Wingwalls			X	X										
(Shape:)														
Cutoff Wall			N	N										

				am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	600			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		7	8	
		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp			, Rise (mm): 6160, Type: SP)
Barrel Last Accessible Date	04-Oct-2011			Could only access u/s 1/3 due to water depth. Rated visible sections.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	7	
Measured Rise (mm)	6001		<u> </u>	
Measured At Ring No.	30			
Sag (mm)	159			
Percent Sag	3			
	<u> </u> 3	0		
Sidewall (20 and (20 and)	0000	8	8	
Measured Span (mm)	6223			
Measured At Ring No.	30			
Deflection (mm)	63			(1.4%. 08/Apr/2008)
Percent Deflection	1			
Floor	I	N	8	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	8	
Separation (mm)	0			
Longitudinal Seams		N	8	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				2N stagger.
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating	. 55	7	7	
Corrosion By Soil (Y/N)	No	1	,	
	Yes			
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Culvert Component (Pipe # : 1, Primary Span, Locati Fish Passage Adequacy Baffle (Type : WEIR)	ion Code: MAIN, Spa	Last	Now	Explanation of Condition , Rise (mm): 6160, Type: SP)						
Fish Passage Adequacy Baffle (Type : WEIR)	ion Code: MAIN, Spa			, Rise (mm): 6160, Type: SP)						
Baffle (Type : WEIR)		5	- 5							
(Type : WEIR)			3							
		4 4		Steel baffles installed U/S, 1/2 of barrel only. Center 3-4 baffles						
NA . A .				appear to have come loose.						
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)	Silting (Y/N) No									
Drift (Y/N)	No									
Barrel General Rating		N	7							
_		_								
Outrost Orange and				ream End						
Culvert Component		Last Now		Explanation of Condition						
End Treatment (Concrete, Steel, Others, None)	CONCRETE	S								
Headwall		8	8							
Collar		7	7	Narrow cracks.						
Wingwalls		X	X							
(Shape :)			1							
Cutoff Wall		N	N							
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm) 800										
Scour Protection		8	4	30mx30mx2m(lwd pool downstream banks adjacent to collar scour vertical and 75% of apron has washed 40m d/sphoto						
(Type : RIP RAP)				- Total and 70% of aprofit has washed 40m a/s. photo						
(Avg. Rock Size(mm) : 350)			Ι							
Scour/Erosion		8	4							
Beavers (Y/N)	No									
Downstream End General Ratin	g	7	4							
		s	tructu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			6	Meandering.						
Bank Stability			4	Banks scoured vertical d/s						
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading				stable						
Beavers (Y/N) No										
(Fish Compensation Measure 1 : I	NONE)									
(Fish Compensation Measure 2 : I	NONE)									
Channel General Rating		6	4							

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			Maintenance Reco	ommend	ations						
Inspector Recommendations	Vear	Year Inspector Comments				Department Comments					Cat #
SHOTCRETE REPAIRS	Tear	Поресто	Comments		Department Con	iiiieiiis			Target Year	Est. Cost	Cat #
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	3										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUT	OFF										
REPAIR SEAMS											
OTHER ACTION	2011	Replace	10 broken guardrail posts & re	eset rail.							
OTHER ACTION			<u> </u>								
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N	ow) 55.6/7	77.8	Sufficiency Rating (Last/No	ow) (67.3/74.9	Est. Re	epl. Yr	2054	Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date				Estimated Tota	1 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Wade Nannir	Wade Nanninga Previo			Assistant's Name						
Next Inspection Date	04-Jul-2013		P	Previous I	nspection Date	30-	Oct-2009				
Inspection Cycle (Default) (months)	21				,						
Comment											
O CONTROLLER CONTROLLE											