					Brida	e Culve	rt Insne	action				
Bridge File Nu	mber	06523 -1 Bridge Culvert				e Guive	Form Type		CULM			
Year Built 1990						Lot No.	71		4			
Bridge or Town	n Name						Inspector Name			Owen Salava		
Located Over	11441110						· ·	Inspector Class BR CLS A				
Located On							Assistant Name		BR 6267			
Water Body CI	/Year	007.01					Assistant Class					
Navigabil. Cl./							Inspection Date		25-Oct-2011			
								Marcia Chavez				
									24-Nov-2011			
Road Authority All						Reviewer Name		John O'Brien				
·							Review Date		13-Nov-2011			
							Dept. Reviewer Name					
		310 / 20							24-Nov-2011			
Road Classific	ation	RCU-209					Follow-					
Detour Length	(km)	3						' '				
Bridge Culver	· ,						ı					
Number of Cul		2	2									
Pipe #	Barrel	8	Span	Rise (or I	or Dia.) Type			Length		Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-		4572		SP		39.6		152X51	3.0	ROUND
2	MAIN	-		4572		SP		39.6		152X51	3.0	ROUND
Special Featur	es											
Special Featur	es Comi	ment										
•												
					Uti	lities (L	ocated.	at)				
Utility Attachm	ents											
Telephone	bhone South ditch.						Gas		Cross	ing 250m West		
Power 5 wire North fer			nceline.				Municip					
Others							Probler	m (Y/N)	No			
Remarks												
				Ap				ankment ation of		Van.		
Horizontal Alig	nmont				Last 9	NOW 9	Expian	ation of	Condi	tion		
Vertical Alignm					8	8						
Roadway Widt			9.800		0	0						
Roadway Widt	11 (111)		9.600									
Embankment					9	9						
Sideslope (_	_:1)		3.8									
(Height of Co	over(m) :	2)										
Guardrail (Y/N)		No									
Approach Roa	ad / Eml	bankmen	t General Rat	ing	8	8						
						Upstre	am End					
Culvert Comp	onent				Last			ation of	Condi	tion		
(Pipe # : 1, S p	an Typ	e: Primar	y Span)									
Direction					N		West p	ipe.				
End Treatment Others, None)	t (Concre	ete, Steel	CONCRETE									
Headwall				7		7	Minor hairline cracks.					
Collar					7	7						
Wingwalls					Х	X						
(Shape:												

06523 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		N	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	5	
Beavers (Y/N)	No			
Upstream End General Rating		4	5	
		Brio	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Local	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 4572, Type: SP)
Barrel Last Accessible Date	25-Oct-2011			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		9	9	Rise not measured due to silt.
Measured Rise (mm)				Minor dents in several plates.
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		8	8	
Measured Span (mm)	4570			
Measured At Ring No.	12			
Deflection (mm)	2			
Percent Deflection	0			
Floor		N	N	Silted in approx. 1.7m.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	8	
Separation (mm)	0			
Longitudinal Seams		8	8	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Some staining by water.
Corrosion By Soil (Y/N)	No			1
Corresion By Water (V/N)	Vec			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	ı):	, Rise (mm): 4572, Type: SP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		8	8	
				ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction	T	S		West pipe.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		7	7	
Wingwalls		X	X	
(Shape:)			1	
Cutoff Wall		N	N	
Bevel End	1	8	8	Slightly bent from over compaction.
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	1000			
Scour Protection		N	6	Not well-graded; small rock away from culvert, 1m in size.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)			1	
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	4	6	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		N		East pipe.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		7	7	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		N	N	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		5	5	Mesh placed by farmer btwn lower step of bevels.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		N	5	Small rock 1m, away from culvert.
(Type : RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		N	5	
Beavers (Y/N)	No			
Upstream End General Rating		4	5	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 4572, Type: SP)
Barrel Last Accessible Date	07-Dec-2010			1.6m silt & water; viewed from ends, looks good.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	N	(Rise not measured - ice. 07Dec2010).
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		8	N	
Measured Span (mm)	4620			
Measured At Ring No.	13			
Deflection (mm)	48			
Percent Deflection	1			
Floor		N	N	(Silted in approx 0.7m. 27May2005).
Bulge (mm)				Water.
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	N	
Separation (mm)	0			
Longitudinal Seams		8	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Some staining by water.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	dge Cu	Ivert Barrel			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 4572, Type: SP)			
Ponding (Y/N)	No						
Fish Passage Adequacy		8	8	Holds approx 1100mm of water at all times.			
Baffle		Х	Х				
(Type:)							
Waterway Adequacy		8	8	(Annray 0.7m, 27May 2005)			
Icing (Y/N)	No			(Approx 0.7m. 27May2005)			
Silting (Y/N)	Yes						
Drift (Y/N)	No						
Barrel General Rating		8	N	GR was 8 from 07Dec2010.			
		D	ownst	ream End			
Culvert Component		Last		Explanation of Condition			
(Pipe # : 2, Span Type: Second	lary Span)						
Direction		S		East pipe			
End Treatment (Concrete, Steel, CONCRETE Others, None)							
Headwall		7	7				
Collar		7	7	Small crack between collar & cutoff wall and between pipes.			
Wingwalls		Х	Х				
(Shape:)							
Cutoff Wall		N	N				
Bevel End		7	7	Slightly bent inward from over compaction between the 2 pipes.			
Heaving (mm)	0						
Invert Above/Below Stream Bed	BELOW						
Above/Below (mm)	1000						
Scour Protection		N	6	CL 1m away from culvert.			
(Type : RIP RAP)							
(Avg. Rock Size(mm) : 300)							
Scour/Erosion		N	6				
Beavers (Y/N)	No						
Downstream End General Ratio	ng	4	6				
		Structu		re Usage			
		Last		Explanation of Condition			
Channel (U/S and D/S)							
Alignment		6	6	Some erosion on bends, poor D/S channel alignment.			
Bank Stability		5	5	Steep banks u/s & d/s.			
HWM (m below Top of Culvert)				HWM not visible.			
Drift (Y/N)	No						
Channel Bottom Degrading/Aggrading	DEGRADING						
Beavers (Y/N)	No						
(Fish Compensation Measure 1 :	·						
(Fish Compensation Measure 2 :	NONE)						
Channel General Rating		6	6				

		Maintanana	December detions				
In an actor Decommendations	Veer		Recommendations		Towart Voor	Fat Cast	Catt
Inspector Recommendations	Year	Inspector Comments	Department Com	ments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							_
INSTALL CONCRETE/STEEL LINING	i						
INSTALL STRUTS	255						_
INSTALL CONCRETE COLLAR/CUT	JFF						_
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	ow) 88.9/88	.9 Sufficiency Rating (Las (%)	t/Now) 79.2/82.0	Est. Repl. Yr 2043	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	25-Jan-2015		Previous Inspection Date	evious Inspection Date 07-Dec-2010			
Inspection Cycle (Default) (months)	39			1			
Comment							