Bridge Culvert Inspection													
Bridge File Number 07012 -1 Bridge Culvert							Form 7	уре	CUL1				
Year Built 1990						Lot No			3				
Bridge or Town	RVALLEY	/ALLEY			Inspec	tor Name		Owen Salava					
Located Over TRIBUTAF WATERCI		ARY TO STONY CREEK, 3.89.21.1,			· ·	Inspector Class BR CLS A							
Located On 579:02 C1							Assistant Name						
Water Body Cl./		010.02	01 41.000					Assistant Class					
Navigabil. Cl./Ye							Inspection Date			09-Aug-2011			
Legal Land Loca		SW SE	C 26 TWP 29 R	RGE 5 W5	5M		Data Entry By Marcia Chavez						
Longitude, Latitu			3:08, 51:30:14	·08 51·30·14					Data Entry Date 13-Sep-2011				
Road Authority			Transportation			Reviewer Name John O'Brien							
Contract Main. A		CMA28	·	,			Review Date			15-Aug-2011			
Clear Roadway/			deg. (LHF)		·				ndrew Smikles				
AADT/Year			2010 (A)					Dept. Review Date Follow-Up By		15-Sep-2011			
Road Classificat	tion	RCU-20	09-110					-ор ву					
Detour Length (I	km)	6											
Bridge Culvert	Informa	ation											
Number of Culve	erts		1										
Pipe #	Length (km) 6 Culvert Information r of Culverts Barrel MAIN Features Features Comment ttachments one South r/w.		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2134		SP		92.1		152X51	4.0	ROUND	
1 MAIN - Special Features Special Features Comment													
					Uti	ilities (L	ocated	at)					
Utility Attachmer	nts							·					
Telephone	South	r/w.					Gas						
Power 3 wires North r/w.					Munici	pal							
Others						Proble	m (Y/N)	N) No					
Remarks	Phone	in Sout	th slope over pi	pe.									
				Α	pproac		d / Embankment						
				Last	Now	Explanation of Condition							
Horizontal Alignment					7	7	Numer	Numerous farm entrances. No passing. Both directions vertical sag with limited sight distance.				ons. Bottom of	
Vertical Alignment			8	7	Vertica	voruser sag with inflitted signit distance.							
Roadway Width (m)		9.000											
Embankment			4 4		4	Erosio	Erosion 25 long x 1m x 1m @ NW West of pipe.						
Sideslope (:1)		2.5	2.5										
(Height of Cov	er(m):	10.2)											
Guardrail (Y/N) No		No											
Approach Road	d / Emb	ankme	nt General Rat	ing	7	7							
						Upstre	am End						
Culvert Compo	nent				Last	Now	Explar	ation of	Condi	tion			
Direction					S								
End Treatment (Concrete, Steel, Others, None)													
Headwall		Х	X										
Collar			Х	Х									
Wingwalls				Х	X								
(Shape:)					1								
Cutoff Wall					Х	X							

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		8	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)			_	
Scour/Erosion		8	8	
Degree (V/N)	No			
Beavers (Y/N)	INO			
Upstream End General Rating		8	8	
-				
Outroot Octobron				Ivert Barrel
Culvert Component (Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sns		Now	Explanation of Condition
Barrel Last Accessible Date		,, (mm	<i>)</i> .	, Rise (mm): 2134, Type: SP)
Barrel Last Accessible Date	09-Aug-2011			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm) 2110				At mid span.
Measured At Ring No.				
Sag (mm)	54			
Percent Sag	2			
Sidewall		8	8	
Measured Span (mm)	2130			At mid span.
Measured At Ring No.				
Deflection (mm)	46			
Percent Deflection	2			
Floor		7	7	
Bulge (mm)	0			
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	Superficial corrosion @ floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

07012 -1 Bridge Culvert

Bridge Culvert Barrel								
•			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 2134, Type: SP)				
Fish Passage Adequacy		3	3	Outlet perched 0.5m - photo.				
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		6	6					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		8	8					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL		_					
Headwall		X	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		8	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200							
Scour Protection		4	4	Outlet perched 0.5m - photo.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		4	4					
Beavers (Y/N)	No							
Downstream End General Rating		4	4					
		Structu		re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		8	8					
Bank Stability		5	5	Cutbanks D/S.				
HWM (m below Top of Culvert) 2.0				(HWM to crown. 03/Oct/2002) (Grass in trees @ U/S. 01Oct2009).				
Drift (Y/N)	No			<u>'</u>				
Channel Bottom Degrading/Aggrading	Na			Unknown.				
Beavers (Y/N) No								
(Fish Compensation Measure 1 :				-				
(Fish Compensation Measure 2 :	NUNE)							
Channel General Rating		8	8					

		Maintenance Reco	nmmendations				
Inspector Recommendations	Year	Inspector Comments	Department Comm	nents	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS	1.00.	misposie: Commente			i aigur i ai		- Jack II
PLACE ADDITIONAL RIP RAP	2012	25m3 Class II @ NW dtich erosion.					
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LININ	G						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/I (%)	Now) 88.9/88	.9 Sufficiency Rating (Last/No (%)	w) 68.8/68.8	Est. Repl. Yr 2046	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	I 0	
Proposed Long-Term Strategy	2006.07.28 Wi	h normal maintenance culvert should be	good until 2050. Consider lir	ner.			
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Dave Lam	Р	revious Assistant's Name				
Next Inspection Date	09-Nov-2014	P	revious Inspection Date	01-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							