Bridge Culvert Inspection														
Bridge File Num	ber	77077 -	-1 Bridge Culve	rt			Form T			CUL1				
Year Built 1988			9				Lot No.			4				
Bridge or Town	Name	WATER	R VALLEY				Inspec	spector Name Garry Roberts						
Located Over		HAROL ST	D CREEK, 3.89	9.26.2, W	ATER	CRS-	Inspector Class Assistant Name			BR CLS A				
Located On			C1 17.377	1 17 377										
Water Body CI./		0.0.02	<u> </u>					Assistant Class						
Navigabil. Cl./Ye								Inspection Date 18-Jul-2012						
Legal Land Loca		SE SE	C 13 TWP 29 R	GE 7 W5I	M			ntry By		Kelsey Robert	S			
Longitude, Latitu			1:16, 51:28:42	<u></u>				ntry Date						
Road Authority			Transportation	(AIT)				viewer Name Tom Carey						
Contract Main.		CMA28	·	(*)		Review Date Dept. Reviewer Name				27-Jul-2012				
Clear Roadway/			l deg. (LHF)				·							
AADT/Year		210 / 20				Dept. Review Date			06-Sep-2012					
Road Classificat		RCU-2						Follow-Up By						
Detour Length (I		64												
Bridge Culvert		ation												
Number of Culve	erts		1											
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	4300		SP		40.2		152X51	3.0	ROUND		
Special Feature	 S													
Special Feature		ment												
					Uti	lities (L	ocated	at)						
Utility Attachme	nts													
Telephone	T	op of d/	s crown				Gas							
Power							Munici	pal						
Others								m (Y/N)	No					
Remarks														
				Aj	pproac	ch Roac	l / Emb	ankment						
					Last	Now	Explar	nation of	Condi	tion				
Horizontal Align	ment				6	6	On S o	urve - go	od sigh	nt distances on	hill.			
Vertical Alignme					6 6									
Roadway Width	(m)		11.000											
Embankment					7	7								
Sideslope (:	:1)		3.0											
(Height of Cov	/er(m):	2)												
Guardrail (Y/N)			No											
Approach Road	d / Emb	oankme	nt General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion				
Direction							South							
End Treatment (Others, None)	(Concre	ete, Stee	el, CONCRETE	<u> </u>										
Headwall					7	7								
Collar					7	7	Transv	erse crac	ks-0.5	mm wide				
Wingwalls					Х	Х								
(Shape:)														
Cutoff Wall					7	7								

			Unotro	om End					
Culvert Component				Explanation of Condition					
Culvert Component Bevel End		Last 7	Now 7	Explanation of Condition					
	200	/							
Heaving (mm)									
Invert Above/Below Stream Bed									
Above/Below (mm)	500		I _						
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 350)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating		7	7						
		Bri	dge Cu	lvert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. S			, Rise (mm): 4300, Type: SP)					
Barrel Last Accessible Date	18-Jul-2012								
Special Features									
Special Feature									
(Type:)				-					
Special Feature									
(Type:)									
		7							
Roof	1005	7	7						
Measured Rise (mm)	4065								
Measured At Ring No.	5								
Sag (mm)	235			_					
Percent Sag	5								
Sidewall		7	7						
Measured Span (mm)	4480								
Measured At Ring No.	4								
Deflection (mm)	180								
Percent Deflection	3								
Floor		6	7						
Bulge (mm)	0			Minor					
Measured At Ring No.									
Abrasion (Y/N)	Yes								
Circumferential Seams		8	8						
Separation (mm)	0			1					
Longitudinal Seams		8	7						
Total No. of Cracked Rings	0	U	'	-					
Total No. of Rings with Two Cracked Seams	0			1 N stagger					
Min. Remaining Steel Between Cracks (mm)				33					
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	Yes								
	100	E		Superficial correction @ we floor					
Coating	No	5	5	Superficial corrosion @ u/s floor & haunches					
Corrosion By Soil (Y/N)	No			-					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 4300, Type: SP)					
Fish Passage Adequacy		7	7						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		7	7						
Culvert Component		Last		Explanation of Condition					
Direction		Lasi	INOW	North					
End Treatment (Concrete, Steel,	CONCRETE			North					
Others, None)	CONCINETE								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		X	X						
(Shape:)									
Cutoff Wall		7	7						
Bevel End		7	7						
Heaving (mm) 2000									
Invert Above/Below Stream Bed BELOW									
Above/Below (mm)	500								
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 350)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	7	7						
		S	tructu	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		6	6	Bends d/s and u/s.					
Bank Stability			7						
HWM (m below Top of Culvert)				Hwm not visible.					
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading	NONE								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

		Maintenance R	ecommend	lations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·							
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 77.8/77	7.8 Sufficiency Rating (Last	/Now)	74.2/74.9	Est. Repl. Yr	2036	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		Е	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Assistant's Name						
Next Inspection Date	18-Oct-2015		Previous	Inspection Date	29-May-2009				
Inspection Cycle (Default) (months)	39								
Comment									