					Brida	e Culve	ert Inspe	ection						
Bridge File Numl	ber	09176 -1 Bridge Culvert					Form T			CUL1				
Year Built 1996						Lot No.			4					
Bridge or Town Name ADEN						Inspector Name			Jason Rusu					
Located Over			CREEK, 1.4, WATERCRS-ST				Inspector Class		BR CLS A					
Located On		880:02 C					Assistant Name							
Water Body Cl./Year								Assistant Class						
Navigabil. Cl./Ye								pection Date 08-Jun-2012						
Legal Land Loca		SW SEC	27 TWP 1 RGE 10 W4M				Data Entry By		Erin Roberts					
Longitude, Latitu		-111:16:2	26, 49:03:38				Data Entry Date		19-Jul-2012					
Road Authority							Reviewer Name		Garry Roberts					
Contract Main. A		CMA24	(/				Review Date		10-Jul-2012					
Clear Roadway/S	Skew	9 / 33 de	g. (RHF)				Dept. Reviewer Name		Tim Davies					
AADT/Year		90 / 201					Dept. Review Date		30-Jul-2012					
Road Classificati		RAU-209					Follow-Up By							
Detour Length (k	(m)	6												
Bridge Culvert I		ation												
Number of Culve	erts	1												
Pipe #	Barrel	8	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	-		3444		SP		81.7		152X51	3.5	ROUND		
Special Features	3													
Special Features	Comn	nent												
Licition Accord					Uti	ilities (L	ocated	at)						
Utility Attachmen	nts								1					
Telephone Power 200m South across road						Gas	1							
Power	200m	South ac	ross road				Municip		NIa					
Others							Probler	m (Y/N)	No					
Remarks				٨٠	nnroa	ch Poar	1 / Emb	ankment						
					Last	Now								
Horizontal Alignr	nent				6	6	Curves North & South 100m							
Vertical Alignme					7	7	Grade at both ends							
	Roadway Width (m) 9.800		9.800			_								
Embankment					9	9								
Sideslope (:	1)		4.0				1							
(Height of Cov		6.4)					1							
Guardrail (Y/N)	()		No											
Approach Road	Approach Road / Embankment General Rating		ing	6	6									
						Unstre	am End							
Culvert Compoi	nent				Last	Now		ation of	Condi	tion				
Direction				W										
End Treatment (Others, None)	Concre	ete, Steel	CONCRETE				-							
Headwall		8	8											
Collar			8	8										
Wingwalls		Х	X											
(Shape:)					1									
Cutoff Wall			N	N										

			Unetro	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	<u> </u>	8	8	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection			8	
(Type : RIP RAP)		8		
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		8	8	
Codu/Erosion				
Beavers (Y/N)	Yes			
Upstream End General Rating		8	8	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm	ı):	, Rise (mm): 3444, Type: SP)
Barrel Last Accessible Date	24-Jul-2009			Too much flow to enter.
Special Features				
Special Feature				
(Type:)		1		
Special Feature				
(Type:)				
Roof		8	N	Viewed from ends- no change observed.
Measured Rise (mm)	3399			PR 8
Measured At Ring No. 7				Est.
Sag (mm)	45			
Percent Sag	1			
Sidewall		8	N	Inward
Measured Span (mm)	3437			PR 8
Measured At Ring No.	7			
Deflection (mm)	7			
Percent Deflection	0			
Floor		8	N	PR 8
Bulge (mm)	0			
Measured At Ring No.	7			
Abrasion (Y/N)	No			
Circumferential Seams		8	N	PR 8
Separation (mm)	0			
Longitudinal Seams		8	N	PR 8
Total No. of Cracked Rings	0			
Total No. of Rings with Two	0			
Cracked Seams	-			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Some alkali staining around bolt holes. Some surface rust on lower
Corrosion By Soil (Y/N)	Yes			sidewall
Corrosion By Water (Y/N)	Yes			(Ring #5 north plate @ 9 o'clock, galvanized coating peeling off Some dents due to installation)24- JUL -2009
Camber POS/ZERO/NEG	ZERO			

09176 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 3444, Type: SP)						
Ponding (Y/N)	No									
Fish Passage Adequacy		9	9							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating			N	PR 8						
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		Е		East						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar			Х							
Wingwalls			Х							
(Shape:)										
Cutoff Wall			X							
Bevel End		8	8							
Heaving (mm)										
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	900									
Scour Protection		8	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)			_							
Scour/Erosion		8	8							
Beavers (Y/N)	No		_							
Downstream End General Ratio	ng	8	8							
		S		re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7	Subsidiary channel on U/S end 12m West of Pipe on North side.						
Bank Stability			4	Erosion on the d/s end.						
HWM (m below Top of Culvert) 0.0				HWM not visible.						
Drift (Y/N) No				(Ran full June/02) 9- Jul-2009						
Channel Bottom Degrading/Aggrading DEGRADING										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :										
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		4	4							

		Mainten	ance Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department	Commen	ts		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	G								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N	Now) 88.9/55	.6 Sufficiency Rating (%)	g (Last/Now) 83.0/68.0	Est	t. Repl. Yr	2045	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date			E	Estimated Tota	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Tim Davies		Previous Assistant's Na	me					
Next Inspection Date	08-Sep-2015		Previous Inspection Dat	te	24-Jul-2009				
Inspection Cycle (Default) (months)	39								
Comment									