Bridge Culvert Inspection													
Bridge File Nur	mber	01987 -1	Bridge Culve	rt	Dilag	,o Gaire	Form T			CUL1			
Year Built 1982					Lot No.		4						
Bridge or Town Name IRMA								Owen Salava					
Located Over	Tivallic		AN CREEK, 5.15, WATERCRS-ST			Inspector Class		BR CLS A					
Located On 881:02 C1						Assistant Name		DR CL3 A					
Water Body Cl./Year Navigabil. Cl./Year						Assistant Class		00 Aug 2014					
		NIM SEC	45 TWD 45 D		15.4		Inspection Date		08-Aug-2011				
						Data Entry By		Marcia Chavez					
Longitude, Lati			5, 52:53:01				Data Entry Date			13-Sep-2011			
Road Authority			ransportation (AIT)				Reviewer Name			John O'Brien			
Contract Main.		CMA15				Review Date		15-Aug-2011					
Clear Roadway	y/Skew	12.3 / 0 c							Andrew Smikle	es			
AADT/Year			2010 (A)				Dept. Review Date		15-Sep-2011				
Road Classifica		RAU-211	.8-110				Follow	-Up By					
Detour Length	` '	6											
Bridge Culver													
Number of Cul		1							I	T.			
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	2	019	2220		SP		54.9		152X51	3.0	ELLIPSE	
Special Feature	es												
Special Feature	es Comi	ment											
					1114	::::: /!		-1)					
Litility Attacks					Ut	ilities (L	ocated	at)					
Utility Attachmo		-1:4 - 1-					0		1				
Telephone West ditch.							Gas						
Power							Municipal D. L. O.(A)						
Others							Proble	Problem (Y/N) No					
Remarks							. / =						
				A				ankment		u			
Harizantal Alia	n m a n t				Last	Now	Explanation of Condition						
Horizontal Alig					8	8	Culvert in bottom of long sag curve, limited sight distance-both directions.						
Vertical Alignm	ent 				7	7	Farm access 300m N; fixed access 100m S.						
Roadway Width (m) 12.300			12.300										
Embankment					8	8							
Sideslope (_	Sideslope (:1) 3.0												
(Height of Co	over(m):	5.5)											
Guardrail (Y/N) Yes					Guardrail over pipe approx 200m in length each side.								
Approach Roa	ad / Eml	bankment	General Rat	ing	7	7							
						Upstre	am End						
Culvert Comp	Culvert Component							ation of	Condi	tion			
Direction			W										
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall					Х	X							
Collar			Х	Х									
Wingwalls			X	X									
(Shape:)				, ,	1								
Cutoff Wall				Х	X								
Cuton vvan			_ ^										

01987 -1 Bridge Culvert

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	5	Explanation of Condition
	100		J	
Heaving (mm) Invert Above/Below Stream Bed				
Above/Below (mm)	100	-		
Scour Protection		5	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)			Ι _	
Scour/Erosion		5	5	
Beavers (Y/N)	Yes			Beaver fence installed around bevel.
Upstream End General Rating		5	5	
		Rei	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			· -
Barrel Last Accessible Date	08-Aug-2011	Span (IIII	.,. 2013	, (min). ELLO, 13po. Oi)
Dailei Lasi Accessible Date	00-Aug-2011			
Special Features				
Special Feature				Beaver fence - keeping beavers out of barrel at u/s.
(Type:)				
Special Feature				
(Type:)		'		
Roof		7	7	Unable to measure due to silt.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		7	7	
Measured Span (mm)	2025	- '		
Measured At Ring No.	9			
Deflection (mm)	6			
Percent Deflection	0			
	0	N.		0:16
Floor	0	N	N	Silt + water up to 500mm depth.
Bulge (mm)	0			
Measured At Ring No.	N			
Abrasion (Y/N)	No		-	
Circumferential Seams	1_	8	8	
Separation (mm)	0			
Longitudinal Seams	I	7	7	No cracks in the visible seams.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		7	7	No corrosion visible.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brid	lge Cu	lvert Barrel		
Culvert Component		Last	Now	Explanation of Condition		
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2019	, Rise (mm): 2220, Type: SP)		
Fish Passage Adequacy		7	7			
Baffle		X	X			
(Type:)						
Waterway Adequacy		7	7			
Icing (Y/N)	No					
Silting (Y/N)	Yes					
Drift (Y/N)	No					
Barrel General Rating		7	7			
				eam End		
Culvert Component		Last	Now	Explanation of Condition		
Direction		Е				
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall		Х	X			
Collar		X	X			
Wingwalls		Х	X			
(Shape:) Cutoff Wall Bevel End		Х	Х			
Bevel End Heaving (mm) 100		7	7	Beaver fence installed around bevel.		
Heaving (mm)	100			in disrepair.		
Invert Above/Below Stream Bed	BELOW					
Above/Below (mm)	150					
Scour Protection		6	6			
(Type : RIP RAP)						
(Avg. Rock Size(mm) : 300)		I	1			
Scour/Erosion		6	6			
Beavers (Y/N)	No					
Downstream End General Ratio	ng	7	6			
		S	tru <u>ctu</u>	re Usage		
		Last	1	Explanation of Condition		
Channel (U/S and D/S)						
Alignment		8	8			
Alignment Bank Stability		8	8			
HWM (m below Top of Culvert)				No HWM visible.		
Drift (Y/N)	Yes					
Channel Bottom Degrading/Aggrading	AGGRADING			Beaver activity at u/s .		
Beavers (Y/N)	Yes					
(Fish Compensation Measure 1 :	NONE)					
(Fish Compensation Measure 2 :	Compensation Measure 2 : NONE)					
Channel General Rating		8	8			

			Maintena	ance Recomme	ndations					
Inspector Recommendations	Year	Inspector	r Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·			·					
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	a									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 77.8/7	77.8	Sufficiency Rating (%)	g (Last/Now)	74.6/73.5	Est. Repl. Yr	2029	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		1	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Jason Rusu			Previou	s Assistant's Name					
Next Inspection Date	08-Nov-2014			Previou	s Inspection Date	06-Jul-2007				
Inspection Cycle (Default) (months)	39									
Comment										