					Bridg	e Culve	ert Insp	ection					
Bridge File Num	ber	75735	-1 Bridge Culve	rt			Form 7	Гуре		CUL1			
Year Built		1969					Lot No	١.		4			
Bridge or Town	Name	CASTO)R				Inspec	tor Name		Owen Salava			
Located Over		TRIBU	TARY TO SULL 4.2.6, WATERCI	IVAN LAI	KE,			tor Class		BR CLS A			
Located On			C1 50.778	NO-01			Assista	ant Name					
Water Body Cl./	Voor	30.12	51 30.776					ant Class					
Navigabil. Cl./Ye								tion Date		16-Jul-2012			
Legal Land Loca		S/W SE	C 7 TWP 36 RC	2E 13 \//	I N /I			ntry By		Marcia Chave	Z		
Longitude, Latitu			1:43, 52:04:22	3L 13 VV4	FIVI			ntry Date		02-Aug-2012			
Road Authority	uue		Transportation (AIT)				Reviewer Name		John O'Brien				
Contract Main.	Area	CMA21	•	(/11/)			Reviev			31-Jul-2012			
Clear Roadway/			b deg. (LHF)					Reviewer			es		
AADT/Year	OROW		2011 (A)					Review Da	ate	07-Aug-2012			
Road Classifica	tion		11.8-110				Follow	-Up By					
Detour Length (3	11.0 110				-						
Bridge Culvert										ı			
Number of Culv			1										
	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		_	1800		MP		29.3		68X13	2.8	ROUND	
Special Feature											_		
Special Feature		nent											
Living Asset					Uti	ilities (L	_ocated	at)					
Utility Attachme	T .	<i>l</i>					0						
Telephone	East r						Gas						
Power	3 wire	S ZUM E	East of c/l.				Munici		No				
Others Remarks							Proble	m (Y/N)	No				
Remarks				Δ	nnroa	ch Road	l / Emb	ankment					
						Now	T .	nation of		tion			
Horizontal Align	ment				8	8				-			
Vertical Alignme					8	8	1						
Roadway Width			11.000										
Embankment					N	8							
Sideslope (·1)		3.5		- 1		1						
(Height of Cov	•	1.6)	0.0										
Guardrail (Y/N)			No										
Approach Road	d / Fmb	nankme	ent General Rat	ina	8	8							
дрогодон код	u / Ellik	Jankine	nt ocheral Kat	g									
Culvert Compo	nont					Upstre Now			Candi	tion			
Culvert Compo	ment				Last E	INOW	Expiai	nation of	Contai	шоп			
End Treatment (Others, None)	(Concre	ete, Stee	el, STEEL		_		_						
Headwall					Х	Х							
Collar					Х	Х							
Wingwalls					X	X							
(Shape:)							1						
Cutoff Wall				Х	Х								

			linetre	am End
Culvert Component			Now	Explanation of Condition
Culvert Component		Last N	NOW 6	Explanation of Condition
Bevel End	100	IN	0	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		N	6	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Upstream End General Rating		N	6	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN S			, Rise (mm): 1800, Type: MP)
Barrel Last Accessible Date	16-Jul-2012	-pan (iiiii	· <i>/</i> ·	, (min). 1000; 13po. min)
Dailoi Last Accessible Date	10 001-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	6	
Measured Rise (mm)	1775			
Measured At Ring No.	2			
Sag (mm)	25			1.4% sag.
Percent Sag	1			1.470 say.
Sidewall		N	6	
Measured Span (mm)	1820			
Measured At Ring No.	2			
Deflection (mm)	20			4 FOV deflection
Percent Deflection	1			1.5% deflection.
	•	N	NI	(Extensive correction and does pitting an bottom quarter of cultion
Floor Bulge (mm)	0	IN	N	(Extensive corrosion and deep pitting on bottom quarter of culvert. 27Aug2009).
	U			
Measured At Ring No.	No			
Abrasion (Y/N)	No			
Circumferential Seams	10	N	6	
Separation (mm)	43			
Longitudinal Seams		N	6	Riveted.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		N	5	Scaling rust on 800 mm strip on floor.
Corrosion By Soil (Y/N)	Yes			Alkaline stains through seams. Outside corrosion at sideslope interface.
Corrosion By Water (Y/N)	Yes			(Deep pitting on floor. 27Aug2009).
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1800, Type: MP)						
Fish Passage Adequacy			6							
Baffle			Х							
(Type:)										
Waterway Adequacy		N	6							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating			6							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction	Direction									
End Treatment (Concrete, Steel, STEEL Others, None)										
Headwall		Х	X							
Collar		Х	Х							
Wingwalls			Х							
(Shape:)										
Cutoff Wall		Х	X							
Bevel End		N	6							
Heaving (mm)	50									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	100									
Scour Protection		N	6							
(Type : NATURAL)										
(Avg. Rock Size(mm):)										
Scour/Erosion		N	6							
Beavers (Y/N) No										
Downstream End General Rating			6							
		s	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7							
Bank Stability		N	6							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading				Unknown.						
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 : NONE)			1							
Channel General Rating			7							

75735 -1 Bridge Culvert

		Maintenance R	ecommendations					
Inspector Recommendations	Year	Inspector Comments	Department Comm	nents	Tar	get Year	Est. Cost	Cat #
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LININ	IG							
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CU	TOFF							
REPAIR SEAMS								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/ (%)	(Now) 55.6/66	.7 Sufficiency Rating (Laste (%)	/Now) 68.6/66.1	Est. Repl. Yr	2024	Maint. Re	qd. (Y/N)	No
Special Replace pipe nex corrosion on floor Next Inspection	t time hwy gets o/l is the only concer	or pour concrete on floor to extend s n.	ervice life if Department Comments					
Maintenance Reviewed By			Date		Estim	nated Total	1 0	
Maintenance Reviewed By Proposed Long-Term Strategy	2004.05.30 Mo	nito Normal BIM. Consider concrete f		ues. Culvert should			0	
•	2004.05.30 Mc	nito Normal BIM. Consider concrete f		ues. Culvert should			0	
Proposed Long-Term Strategy	2004.05.30 Mo	nito Normal BIM. Consider concrete f		ues. Culvert should			0	
Proposed Long-Term Strategy On 3-Year Program (Y/N)	2004.05.30 Mo	nito Normal BIM. Consider concrete f		ues. Culvert should			0	
Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action		nito Normal BIM. Consider concrete f	loor in future if corrosion continu	ues. Culvert should			0	
Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	Jason Saly	nito Normal BIM. Consider concrete f	loor in future if corrosion continu				1 0	