						Brida	e Culve	ert Insp	ection						
Bridge File Number 80995 -1 Bridge Culvert							Form Type			CUL1					
Year Built 1986						Lot No.			4						
Bridge or Town Name BENALTO						Inspector Name		Owen Salava							
Located Over TRAIL-ANIMAL, OVER SP						Inspector Class			BR CLS A						
Located On 11:12 C1 15.241						Assistant Name		DIT OLO A							
Water Body Cl.		1.12 0	1 13.241												
Navigabil. Cl./Y								Assistant Class		01-Feb-2012					
			24 TMD	20 DC	E 2 WE	N /		Inspection Date				_			
Legal Land Loc			24 TWP			IVI			Data Entry By Marcia Chavez						
Longitude, Lati			:05, 52:17:		A 1 \			Data Entry Date 07-Mar-2012							
Road Authority			Transporta	ation (A	411)			Reviewer Name John O'Brien							
Contract Main.		MA19						Review Date 23-Feb-2012							
Clear Roadway		4.2 / 0						Dept. Reviewer Name							
AADT/Year			2010 (A)					Dept. Review Date		09-Mar-2012					
Road Classifica			3.4-120					Follow-Up By							
Detour Length															
Bridge Culver															
Number of Culv			1				I_					T			
Pipe #	Barrel	,	Span ————	F	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	3	3050		SP		38		152X51	3.0	ROUND		
Special Feature	es														
Special Feature	es Comme	ent													
						Do	otina li	of a resort	ion						
Required Vert.	Clearance	Doctiv	og (m)			PO	Sung I	nformat	IOH						
Posted Vertical				No											
				INO	Los A els		'\//NI\		ane SB		No Daides (m)	In A division	(\/(NI)		
			Bridge (m)		In Adv	ance (Y/IN)	L	ane SB	S C	On Bridge (m)	in Advar	nce (Y/N)		
Remarks	Not requ	illea.				Uti	ilities (L	_ocated	at)						
Utility Attachme	ents						,		<i>'</i>						
Telephone	North r/v	w.						Gas							
Power								Munici	oal						
Others									m (Y/N)	No					
Remarks								1 100101	(17.11)	1110					
Romano					Aı	nproac	ch Road	d / Emba	ankment						
						Last	Now		ation of		tion				
Horizontal Aligi	nment					7	7	Long curve in both directions, good sight distance.							
Vertical Alignm						9	9				, g	9			
Roadway Widtl			14.200												
Embankment						8	8								
Sideslope (·1)		3.0												
(Height of Co		7)	0.0					-							
Guardrail (Y/N)		••)	Yes												
Guaruran (1714)) 		163												
Approach Roa	ad / Embai	nkmer	nt Genera	l Ratin	ng	7	7								
							Upstre	am End							
Culvert Comp	onent					Last	Now	Explan	ation of	Condi	tion				
Direction						N									
End Treatment Others, None)	t (Concrete	e, Stee	I, STEEL												
Headwall			Х	Х											
Collar						Х	Х								

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600		_	
Scour Protection		X	X	
(Type : NONE)				
(Avg. Rock Size(mm):)		1		
Scour/Erosion		Х	X	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Brid	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 3050, Type: SP)
Barrel Last Accessible Date	01-Feb-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	Est sag 3% on floor. Too much manure & mud to get a
Measured Rise (mm)				measurement.
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		7	6	
Measured Span (mm)	3000			
Measured At Ring No.	7			lawarda
Deflection (mm)	50			Inwards
Percent Deflection	3			
Floor		N	N	Dirt covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		8	8	
Separation (mm)	0			
Longitudinal Seams		8	6	R2,3 showing slight cusping on wall seams under shoulder.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)] _1N
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		8	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	1):	, Rise (mm): 3050, Type: SP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N) No				
Fish Passage Adequacy			Х	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		Х	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	6	
		D	ownsti	ream End
Culvert Component		1	Now	Explanation of Condition
Direction		S	·	
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
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)	600			
Scour Protection		Х	X	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		Х	Х	
Beavers (Y/N)	No			
Downstream End General Rati	ng	8	8	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		9	9	
Roadway Surface		7	7	
(Type : GRAVEL)				
Icing (Y/N)	No			
Traffic Safety Features		Х	X	
Туре	NONE			
Lighting		Х	Х	
Barrel Leakage (Y/N)	No			

Structure Usage									
		Last	Now	Explanation of Condition					
Drainage		8	8						
Structure In Use (Y/N) Yes									
Grade Separation General Rating			7						

		Maintenance Reco	mmenda	ntions					
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	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 77.8/66	.7 Sufficiency Rating (Last/Nov (%)	w) 84	84.3/78.3 Est. Repl. Yr 2044		2044	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)	N								
Proposed Action	2007.05.21 Re	evisit site again in two years to determine	continue	d usage. Brownle	e & Associates				
Previous Inspector's Name	Owen Salava	Pr	evious A	Assistant's Name Chris Black					
Next Inspection Date	01-Nov-2013	Pr	revious In	s Inspection Date 30-Mar-2010					
Inspection Cycle (Default) (months)	21								
Comment									