					Б.,								
D : 1					Bridg	e Culve	ert Inspe						
Bridge File Num		80737 -1 Bridge Culvert					Form Type		CUL1				
Year Built		1983					Lot No.		4				
Bridge or Town		MANNV					Inspector Name		Jason Saly				
Located Over TRAIL-ANIMAL, OVER SP						Inspector Class		BR CLS A	BR CLS A				
Located On	16:28 R1 7.358;16:28 L1 7.346						Assistant Name						
Water Body Cl.	/Year							int Class					
Navigabil. Cl./Y					Insp		Inspect	tion Date	18-Jul-2012	18-Jul-2012			
Legal Land Loc	ocation SW SEC 21 TWP 50 RGE 9 W4				4M		Data Entry By		Marcia Chave	Marcia Chavez			
Longitude, Latit	tude	-111:16:02, 53:19:31						ntry Date	31-Jul-2012	31-Jul-2012			
Road Authority					F		Review	ver Name	John O'Brien	John O'Brien			
Contract Main. Area CMA15				Review Date		/ Date	28-Jul-2012	28-Jul-2012					
Clear Roadway	/Skew	25 /			Dept.		Dept. F	Reviewer Nam	Andrew Smikles				
AADT/Year		6,300 / 2	2011 (A)			Dept. Review Date		02-Aug-2012					
Road Classifica	ation	RFD-412	2.4-130				Follow-	·Up By					
Detour Length ((km)	1											
Bridge Culvert	Informa	ation											
Number of Culv	/erts	1	1										
Pipe #	Barrel	5	Span	Rise (or I	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		•	2200		MP	77		125X26	2.8	ROUND		
Special Feature	es												
Special Feature	es Comm	nent											
					Po	sting Ir	nformati	on					
Required Vert.	Clearand	ce Postin	ng (m)										
Posted Vertical	Clearan	ce (Y/N)) N	lo									
Posted: Lane	NB	On B	ridge (m)	In Adv	ance ((Y/N)	L	ane SB	On Bridge (m)	In Advar	nce (Y/N)		
Remarks	Not red	auired.							5 ()		(1,11)		
									J ()	,	(1,11)		
					Uti	ilities (L	_ocated		3 ()				
Utility Attachme	ents				Uti	ilities (L	_ocated		3 ()				
Utility Attachme Telephone	ents				Uti	ilities (L	_ocated		J ()				
Telephone	ents				Uti	ilities (L		at)					
Telephone	ents				Uti	ilities (L	Gas	at)					
Telephone Power Others	ents				Uti	ilities (L	Gas Municip	at)					
Telephone Power Others	ents			Aŗ			Gas Municip Probler	at)					
Telephone Power Others	ents			Aŗ			Gas Municip Probler	at) pal m (Y/N) No					
Telephone Power Others Remarks				Ag	oproac	ch Road	Gas Municip Probler d / Emba	at) pal m (Y/N) No ankment ation of Cone d through long					
Telephone Power Others Remarks Horizontal Align	nment			Ap	oproac Last	ch Road	Gas Municip Probler d / Emba	at) pal m (Y/N) No ankment pation of Cond	dition				
Telephone Power Others Remarks Horizontal Align Vertical Alignme	nment ent		25.000	Ap	oproad Last	Now 7	Gas Municip Probler d / Emba	at) pal m (Y/N) No ankment ation of Cone d through long	dition				
Telephone Power	nment ent		25.000	Ap	oproad Last	Now 7	Gas Municip Problem / Emba Explan Locate R/W su	at) pal m (Y/N) No ankment ation of Cone d through long	dition horizontal curve				
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width	nment ent n (m)		25.000	Ag	Last 7 7	ch Road Now 7	Gas Municip Problem / Emba Explan Locate R/W su	at) pal m (Y/N) No ankment ation of Cond d through long sperelevated.	dition horizontal curve				
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (nment ent n (m)			Ap	Last 7 7	ch Road Now 7	Gas Municip Problem / Emba Explan Locate R/W su	at) pal m (Y/N) No ankment ation of Cond d through long sperelevated.	dition horizontal curve				
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (nment ent n (m)			Ap	Last 7 7	ch Road Now 7	Gas Municip Probler / Emba Explan Locate R/W su	at) pal m (Y/N) No ankment lation of Cone d through long sperelevated.	dition horizontal curve	3.			
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (nment ent n (m) _:1) ver(m) :	1.8)	5.0		Last 7 7	ch Road Now 7	Gas Municip Probler / Emba Explan Locate R/W su	at) pal m (Y/N) No ankment lation of Cone d through long sperelevated.	dition horizontal curve	3.			
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (nment ent n (m) _:1) ver(m) :	1.8)	5.0		Last 7 7	Ch Road Now 7 7	Gas Municip Probler I / Emba Explan Locate R/W su Measu	at) pal m (Y/N) No ankment nation of Cone d through long uperelevated. red to c/l from	dition horizontal curve	3.			
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (nment ent n (m) :1) ver(m) :	1.8)	5.0		7 7	Now 7 7 7 7 Upstre	Gas Municip Probler d / Emba Explan Located R/W su Measu Only at	at) pal m (Y/N) No ankment nation of Cone d through long uperelevated. red to c/l from	dition horizontal curve South crown. der - max length	3.			
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (nment ent n (m) :1) ver(m) :	1.8)	5.0		Diproat Last 7 7 7	Ch Road Now 7 7	Gas Municip Probler d / Emba Explan Located R/W su Measu Only at	at) pal m (Y/N) No ankment nation of Cone d through long uperelevated. red to c/l from	dition horizontal curve South crown. der - max length	3.			
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope ((Height of Cor Guardrail (Y/N) Approach Roa Culvert Compo	nment ent n (m) :1) ver(m) :	1.8) ankmen	5.0 Yes		7 7	Now 7 7 7 7 Upstre	Gas Municip Probler d / Emba Explan Located R/W su Measu Only at	at) pal m (Y/N) No ankment nation of Cone d through long uperelevated. red to c/l from	dition horizontal curve South crown. der - max length	3.			
Telephone Power Others Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (nment ent n (m) :1) ver(m) :	1.8) ankmen	5.0 Yes		Diproat Last 7 7 7	Now 7 7 7 7 Upstre	Gas Municip Probler d / Emba Explan Located R/W su Measu Only at	at) pal m (Y/N) No ankment nation of Cone d through long uperelevated. red to c/l from	dition horizontal curve South crown. der - max length	3.			

80737 -1 Bridge Culvert

			Unctro	om End
Culvert Component		Last	Now	am End Explanation of Condition
Wingwalls		X	X	Explanation of Condition
(Shape:)				
Cutoff Wall		Х	X	
Cuton vvan				
Bevel End		Х	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection			7	Well vegetated.
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
Opstream Life General Nating				
				Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		n (mm	ı):	, Rise (mm): 2200, Type: MP)
Barrel Last Accessible Date	18-Jul-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	Roof estimated; unable to measure rise due to dirt on floor.
Measured Rise (mm)	2168			
Measured At Ring No.				
Sag (mm)	32			
Percent Sag				
Sidewall		7	7	Span at S end=2205=5mm
Measured Span (mm)	2223			Span at midpipe=2223=23mm=1.0% Span at N end=2198=2mm
Measured At Ring No.				opan at N Gha-2130-2mm
Deflection (mm)	23			
Percent Deflection	1			
Floor		N	N	Dirt covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		4	4	Infiltration - minor.
Separation (mm)	10			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		7	7	No corrosion visible.
Corrosion By Soil (Y/N)	No			1
Corrosion By Water (Y/N)	No			
	-			2 of 5

		Bri	dge Cu	Ivert Barrel				
-		Last Now		Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	n):	, Rise (mm): 2200, Type: MP)				
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N) No								
Fish Passage Adequacy		Х	Х					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		Х	8	Intended as a cattlepass though local drainage passes through to				
Icing (Y/N)	No			slough on North side.				
Silting (Y/N)	Yes			400mm of silt in S half.				
Drift (Y/N)	No							
Barrel General Rating		7	7					
		D	ownstr	ream End				
Culvert Component			Now	Explanation of Condition				
Direction		S						
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		Х	X	Square end.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	175		_					
Scour Protection		N	7					
(Type: NATURAL)								
(Avg. Rock Size(mm):)								
Scour/Erosion		N	7					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	7					
				re Usage				
		Last	Now	Explanation of Condition				
Grade Separation			Τ_					
Road Alignment		7	7	_				
Roadway Surface		7	7					
(Type : CONCRETE)								
Icing (Y/N)	No							
Traffic Safety Features		X	X					
Туре								
Lighting		X	X					
Barrel Leakage (Y/N)	No							

Structure Usage							
				Explanation of Condition			
Drainage		5	5				
Structure In Use (Y/N) No				Fence at South end in disrepair; treed-in at N end.			
Grade Separation General Rating			5				

		Maintenance Rec	ommend	dations					
Inspector Recommendations		Department Com	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 (%)	low) 77.8/77	.8 Sufficiency Rating (Last/No. (%)	ow)	81.8/78.3	Est. Repl. Yr	2037	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By	Maintenance Reviewed By					E	Estimated Tota	1 0	
Proposed Long-Term Strategy	2003.11.20 Wh	en condition deteriorates & rehab is rec	uired, rei	moval of cattle pass	shall be investiga	ted. Cons	ider liner. Culv	ert ok until 2	.030.
On 3-Year Program (Y/N)	Υ								
Proposed Action	2008.01.08 Ch	eck within two years to determine if land	lowner is	still using the struct	ture. Brownlee & A	ssociates	3		
Previous Inspector's Name Owen Salava Previou				Assistant's Name					
Next Inspection Date	18-Apr-2014		Previous	Inspection Date	17-Dec-2010				
Inspection Cycle (Default) (months)	21								
Comment									