					Bridg	e Culve	ert Inspe	ection					
Bridge File Nur	nber	13953 -	1 Bridge Culve	rt			Form Type		CULM				
Year Built		1998					Lot No.		4	4			
Bridge or Town	Name	DEL BO	NITA				Inspec	tor Name	Jason Rusu	Jason Rusu			
Located Over		SHANK	S CREEK, 1.21	1.5, WATE	RCR	S-ST	Inspec	tor Class	BR CLS A				
Located On		501:02	C1 40.455				Assistant Name						
Water Body Cl.	/Year						Assista	int Class	Class				
Navigabil. Cl./Y	'ear						Inspec	Inspection Date 09-Jun-2012					
Legal Land Location SE SEC 15 TWP 1 RGE 22 W4			E 22 W4N	Л		Data E	ntry By	Kelsey Robert	Kelsey Roberts				
Longitude, Latitude -112:51:29, 49:01:4			:29, 49:01:42				Data E	ntry Date	20-Jul-2012	20-Jul-2012			
·			a Transportation (AIT)					er Name	Garry Roberts	Garry Roberts			
Contract Main. Area CMA25							Review	Date	10-Jul-2012	10-Jul-2012			
Clear Roadway	//Skew	9 / -15 d	deg. (LHF)					Dept. Reviewer Name Tim Davies					
AADT/Year		310 / 20)11 (A)				Dept. Review Date		30-Jul-2012				
Road Classifica	ation	RCU-20	9-110				Follow-Up By						
Detour Length	(km)	4											
Bridge Culvert	t Informa	ation											
Number of Culv	verts	:	2										
Pipe #	Barrel	Span Rise (or - 3000			Dia.)	Туре		Length	Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	3000		MP		38	125X26	2.8	ROUND		
2	MAIN		-	3000		MP		38	125X26	2.8	ROUND		
Special Feature	es												
Special Feature	es Comn	nent											
					l l+i	lities (l	ocated	at)					
Litility Attachme	ents				Oti	iities (E	-ocated	at)					
Utility Attachments Telephone					Gas								
·							Municip	nal					
Power Others							m (Y/N)						
Remarks	None \	visihle					1 TODICI	11 (1/14)					
Romano	TTOHO	VIOIDIO		Ar	proac	:h Road	d / Emba	ankment					
				7.5	Last	Now		ation of Con	dition				
Horizontal Align	nment				9	9							
Vertical Alignm					7	7							
Roadway Width	n (m)		9.000										
Embankment					8	8							
Sideslope (_:1)		7.0]						
(Height of Co	ver(m):	1)	·										
Guardrail (Y/N)			No										
Approach Roa	d / Emb	ankmer	nt General Rat	ing	7	7							
Culvert Compo	onont				Last		am End	ation of Con	dition				
(Pipe # : 1, Sp		. Drima	ry Span)		Lasi	INOW	Схріан	ation of Con	uition				
Direction	aii iype	. Fillia	ry Spari)				SE						
End Treatment	(Concre	ota Staa	CONCRETE	:			SE						
Others, None)	(Concre	ile, Siee	i, CONCRETE										
Headwall					8	8	Some I	nairline cracks	-				
Collar					8	8							
Wingwalls					X	X							
	iligwalis .					_							

			Unctro	om End
Culvert Component		Upstrea Last Now		Explanation of Condition
(Pipe # : 1, Span Type: Primary	(Snan)	Lasi	INOW	Explanation of Condition
Cutoff Wall	у Оран)	N	N	
Cuton Wan		IN	IN	
Bevel End		8	8	
Heaving (mm) 0				
Invert Above/Below Stream Bed BELOW				
Above/Below (mm) 700				
Scour Protection		8	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm): 500)				
Scour/Erosion		8	8	
D ()//A))	NI-			
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
Outroot On				Ivert Barrel
Culvert Component	tion Code MAIN Cod	Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca		in (mm	1):	, Rise (mm): 3000, Type: MP)
Barrel Last Accessible Date	17-Jun-2009			E pipe
Special Features				
Special Feature				Viewed from ends- no change apparent since last inspection.
(Type:)				
Special Feature				
(Type:)			_	
Roof		8	N	Shape is excellent
Measured Rise (mm)	3025			P.R. 8
Measured At Ring No.	2			1 .11. 0
Sag (mm)	25			
Percent Sag	1			
Sidewall		8	N	inward
Measured Span (mm)	2383			P.R. 8
Measured At Ring No.	2			
Deflection (mm)	17			
Percent Deflection	1			
Floor		7	N	P.R. 7
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	N	P.R. 8
Separation (mm)	20			
Longitudinal Seams		Х	X	
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		8	N	P.R. 8
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	n):	, Rise (mm): 3000, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No		1	
Barrel General Rating		8	N	P.R. 8
				ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			I
Direction End Treatment (Concrete, Steel,	CONCRETE			NE
Others, None)	CONCINETE			
Headwall		8	8	
Collar		8	8	Some hairline cracks Some minor spall from riprap inst
Wingwalls		Х	X	
(Shape:)			_	
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)		1		
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction				sw
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		8	8	Some hairline cracks
Wingwalls		Х	Х	
(Shape:)			1	
Cutoff Wall		N	N	

13953 -1 Bridge Culvert

			Unstre	eam End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Bevel End	, , , , , , , , , , , , , , , , , , ,	8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	700			-
Scour Protection	700	8	8	
(Type : RIP RAP)		0		
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Brid	dae Cu	llvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN			, Rise (mm): 3000, Type: MP)
Barrel Last Accessible Date	17-Jun-2009	, = (1	,•	W pipe
Darrot Last / todosolble Date	17 Gail 2000			Barrel not accessible- deep water
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	N	Shape looks very good- P.R. 8
Measured Rise (mm)	3019			
Measured At Ring No.	2			
Sag (mm)	19			
Percent Sag	1			
Sidewall		8	N	inward
Measured Span (mm)	2996			P.R. 8
Measured At Ring No.	2			
Deflection (mm)	4			
Percent Deflection	0			1
Floor		7	N	P.R. 7
Bulge (mm)	0			
Measured At Ring No.				1
Abrasion (Y/N)	No			1
Circumferential Seams		8	N	P.R. 8
Separation (mm)	30			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings		,	`	1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				1
Longitudinal Stagger (Y/N)				1
Coating		8	N	P.R. 8
Corrosion By Soil (Y/N)	No	0	1.4	11.11.0
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

		Brio	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 3000, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	N	P.R. 8
Culvert Component				eam End Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)	Lasi	INOW	Explanation of Condition
	ary Spari)			NW
Direction End Treatment (Concrete, Steel,	CONCRETE			INVV
Others, None)		8	8	
- Toddwaii				
Headwall Collar Wingwalls (Shape:)		8	8	some hairline cracks
Wingwalls		Х	X	
(Shape:)			1	
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)			1	
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
		9	tructu	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)	I	Luci	111011	
Alignment		6	6	Curves both ends
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating		6	6	

		Maintenanc	e Recommendations						
Inspector Recommendations	Year	Inspector Comments		rtment Comm	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS		<u> </u>							
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 88.9/55	.6 Sufficiency Rating (L (%)	ast/Now) 86.9/71	.6	Est. Repl. Yr	2056	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Depa	rtment nents					
Maintenance Reviewed By			Date			E	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previous Assista	nt's Name					
Next Inspection Date	09-Sep-2015		Previous Inspec	ion Date	17-Jun-2009				
Inspection Cycle (Default) (months)	39								
Comment									