					Brida	e Culve	ert Insp	ection								
Bridge File Number 09063 -1 Bridge Culvert					Dirag	CCUITO	Form Type			CUL1						
Year Built 1953							Lot No.			4						
Bridge or Town Name TWIN BUTTE							Inspector Name			Jon Davies						
Located Over TRIBUT			BUTARY TO DUNGARVAN CREEK,					tor Class		BR CLS B						
		2.12.22.5	2.5.16.1, WATERCRS-ST				Assistant Name									
Located On 6:04 C1 13.497							Assistant Class									
Water Body Cl./Year							Inspection Date			30-Oct-2011						
Navigabil. Cl./Year							Data Entry By			Alyssa Boynton						
			28 TMD 3 DCE 20 M/4M					ntry Date		28-Nov-2011						
		:30, 49:14:24					er Name		Garry Roberts							
			Transportation (AIT)					/ Date		10-Nov-2011						
Contract Main.	Area	CMA26						Reviewer N	ame	Tim Davies						
Clear Roadway	//Skew	9.9 /					Dept. Review Date			01-Dec-2011						
AADT/Year			/ 2010 (A)					Follow-Up By								
Road Classifica		RAU-210	0-110													
Detour Length		30														
Bridge Culver																
Number of Cul		1			Туре		l		I							
Pipe #	Barrel	Span		Rise (or	Rise (or Dia.)			Length		Corr. Profile	Pl./Slab Thickness	Shape				
1	MAIN	2	2000	2000		BP		22.6			THIORITOGO	RECTANGLE				
Special Features					, <u>, , , , , , , , , , , , , , , , , , </u>	22.0			<u> </u>		112017111022					
Special Feature		ment														
					Uti	ilities (L	ocated	at)								
Utility Attachme	ents															
Telephone West ditch and East ditch					Gas											
Power	1 line	East ditch						Municipal								
Others						Proble	m (Y/N)	No								
Remarks																
				A				/ Embankment								
Liamina mtal Aliam					Last		Explanation of Condition Field entrance at NW corner. Slight hill to South. 300m sight									
Horizontal Align Vertical Alignm					9	6	distance. Crest curve 300m to the North.									
			_		0	0										
Roadway Width (m) 9.900																
Embankment					6	6										
Sideslope (·1)		2.5													
(Height of Co		2.6)					1									
Guardrail (Y/N)		210)	Yes													
Guardian (1714)																
Approach Roa	ad / Eml	bankmen	t General Rat	ing	6	6										
						Unctro	l am End									
Culvert Comp	onent				Last	Now	1	ation of C	ondi	tion						
Culvert Component Direction			W	11011	West	ation of C	Jiiuli									
End Treatment (Concrete, Steel, CONCRETE						1.000										
Others, None)	(201101)	, 0.001	, , , , , , , , , , , , , , , , , , , ,	-												
Headwall				7	6											
Caller					Wide groups with broken concrete at CW to											
Collar			6	5	Wide cracks with broken concrete at SW toe.											
Wingwalls			Х	Х												
(Shape:)						1										
Cutoff Wall				Х	N											

				eam End						
Culvert Component		Last	Now	Explanation of Condition						
Bevel End	I	7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			_						
Above/Below (mm)	200									
Scour Protection		7	7	Ingrown						
(Type: RIP RAP, CONCRETE)									
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		6	5							
		Bri	dge Cu	lvert Barrel						
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S									
Barrel Last Accessible Date	30-Oct-2011									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		6	6	Typical hairline flex cracks down c/l of roof.						
Measured Rise (mm)	2000	0	0	Roof has cracks, leaching.						
. ,				40mm settlement @ W section.						
Measured At Ring No.	1									
Sag (mm)	0									
Percent Sag	0									
Sidewall	I	6	6	Vertical cracks, some leaching. Typical settlement/hairline cracks on sidewall.						
Measured Span (mm)	2000			- Typical contentination oracle on clackwall.						
Measured At Ring No.	1			_						
Deflection (mm)	0			_						
Percent Deflection	0		_							
Floor		6	6	U/S section settled @ centerline 38mm.						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		5	5							
Separation (mm)	50									
Longitudinal Seams		X	X							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)	0									
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										
Coating		Х	Х							
Corrosion By Soil (Y/N)		7		-						
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									

		Bric	dge Cu	ulvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 2000	, Rise (mm): 2000, Type: BP)						
Fish Passage Adequacy		7	7							
Baffle			Х							
(Type:)										
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)										
Drift (Y/N) No										
Barrel General Rating			6							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		E		East						
End Treatment (Concrete, Steel, Others, None)	CONCRETE		1							
Headwall		6	6							
Collar		5	5	North side cracked & broken.						
Wingwalls		Х	Х							
(Shape:)										
Cutoff Wall		Х	N							
Bevel End		5	5	Cracks @ N bevel up to 3mm wide.						
Heaving (mm)	0									
Invert Above/Below Stream Bed ABOVE										
Above/Below (mm) 200										
Scour Protection			7	Ingrown						
(Type: RIP RAP, CONCRETE))									
(Avg. Rock Size(mm): 300)										
Scour/Erosion		7	7							
Beavers (Y/N)	eavers (Y/N) No									
Downstream End General Ratin	าg	5	5							
		6	truotuu	ra Haaga						
		Structu Last Now		Explanation of Condition						
Channel (U/S and D/S)		Last	INOW	Explanation of condition						
Alignment		7	7							
Bank Stability		5	5							
HWM (m below Top of Culvert)				HWM not visible						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading DEGRADING										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :										
(Fish Compensation Measure 2 :	NONE)		1							
Channel General Rating		7	7							

					Mainten	ance Re	commen	dations								
Inspector Recommendations	Ye	Year Inspector Comments					Department C	Targ	et Year	Est. Co	ost	Cat #				
SHOTCRETE REPAIRS																
PLACE ADDITIONAL RIP RAP																
REMOVE DRIFT ACCUMULATION																
INSTALL CONCRETE/STEEL LINING																
INSTALL STRUTS																
INSTALL CONCRETE COLLAR/CUT	OFF															
REPAIR SEAMS																
OTHER ACTION																
OTHER ACTION																
OTHER ACTION																
OTHER ACTION																
Structural Condition Rating (Last/N (%)	low) 66	66.7/66.7		Sufficiency Rating (Last/Now) (%)		Now)	69.5/68.4		st. Repl. Yr	. Yr 2033		Maint. Re	eqd. (Y/N)	10	
Special Comments for Next Inspection								Department Comments								
Maintenance Reviewed By								Date			E	Estima	ated Tota	al 0		
Proposed Long-Term Strategy																
On 3-Year Program (Y/N)																
Proposed Action																
Previous Inspector's Name Jas		su					Previous	Assistant's Nam	е							
Next Inspection Date	30-Jul-201	13					Previous	Inspection Date		28-Nov-2009						
Inspection Cycle (Default) (months)	21															
Comment																