	,				Bridg	ge Culve	ert Inspe			01111				
Bridge File Number 71415 -1 Bridge Culvert							Form Type			CULM				
Year Built		1960	_				Lot No.			3				
Bridge or Town	n Name	BLACK					Inspector Name			Tom Carey				
Located Over		TRIBUT 2.12.12	TARY TO FRA .16.1.1. WATE	ARY TO FRANK LAKE, 6.1.1, WATERCRS-ST				tor Class		BR CLS A				
Located On			1 29.250						Assistant Name					
Water Body CI	./Year								Assistant Class					
Navigabil. Cl./\					Inspection Date 18-Feb-2013									
Legal Land Lo		SW SE	C 3 TWP 19 R		Data Entry By Data Entry Date			Anne Roberts						
Longitude, Lati		-113:40	:13, 50:34:20							17-Mar-2013				
			ransportation (AIT)					!	Garry Roberts					
Contract Main. Area CMA27		•		Review Date			03-Mar-2013 Tim Davies							
Clear Roadway/Skew 13.2 /								Dept. Reviewer Name						
•		2,030 /	2011 (A)	2011 (A)					Dept. Review Date Follow-Up By					
Road Classific	ation	RAU-21					Follow-	ор Бу						
Detour Length	(km)	6												
Bridge Culver	t Inform	nation												
Number of Cul	verts		1											
Pipe #	Barrel		Span Rise (or I		Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		6000	3000		BP	37.2			THICKHESS	RECTANGLE			
Special Featur			0000	10000		Di .		07.2		I		INCOTATION		
Special Featur		ment												
	Ì				Ut	ilities (L	_ocated	at)						
Utility Attachm									I					
Telephone South ditch.							Gas							
Power 1 wire - South fence 25m South.						Municip								
Others							Problei	m (Y/N)	No					
Remarks				۸۲	anroa	ch Pos	d / Emb	ankment						
								ation of		tion				
Horizontal Alig	nment				4	4		at both E						
Vertical Alignm					8	8				l @ 85 km/hr W	/B & E/B.			
Roadway Widt			13.200											
Roadway Widt	11 (111)		13.200											
Embankment														
Sideslope (_	_:1)		3.0	3.0										
(Height of Co	over(m)	:)												
Guardrail (Y/N))		Yes											
Approach Roa	ad / Emi	hankmai	nt General Ra	ting	4	4								
Арргоаст Ко	au / Liiii	Dankinei	iii General ika	ung	7	_								
							am End							
Culvert Comp	onent				Last	Now		ation of	Condi	tion				
Direction				_			North 6	end.						
End Treatment Others, None)	t (Concr	ete, Stee	el, CONCRETI	=										
Headwall					5	5	Expose	Exposed rebar at back at NW corner. Minor						
Collar	Collar				X	X								
Wingwalls					6	6	Anchored to prevent moving. Wingwall moved towards stream 100mm & away 120mm.							
(Shape : FLA	ARE)						Wingw	all moved h West	towar	ds stream 100r	nm & away 12	0mm.		
Cutoff Wall					N	N								

71415 -1 Bridge Culvert

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			Iced over
Above/Below (mm)	350			
Scour Protection		4	4	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		4	4	
Beavers (Y/N)	No			1.0m DP X 0.5m WD X 0.5m LG void behind North West wing.
	INO			1.011 DI A 0.3111 WD A 0.3111 ES VOIG BETIING NOTHT West Wing.
Upstream End General Rating		4	4	
		Brio	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 3000), Rise (mm): 3000, Type: BP, Cell Sequence: 1)
Barrel Last Accessible Date	18-Feb-2013			West box. Carries drainage.
Special Features				- Carrier aramage.
Special Feature				
(Type:)			-	
Special Feature				-
(Type:)				
Roof		7	7	Minor transverse cracks.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag	0			
Sidewall		6	6	(West wall has 2 corroded low cover rebar areas) - minor vert cracks.
Measured Span (mm)	3040			Submerged
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	Iced over
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	Seam @ mid.
Separation (mm)	2			
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)		V	V	
Coating Correction By Sail (Y/N)		X	X	-
Corrosion By Soil (Y/N)				-
Combor POS/7ERO/NEC	7EBO			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Bri	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 3000	Rise (mm): 3000, Type: BP, Cell Sequence: 1)
Fish Passage Adequacy		X	X	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3000	, Rise (mm): 3000, Type: BP, Cell Sequence: 2)
Barrel Last Accessible Date	18-Feb-2013			East box.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)				Estimate
Measured At Ring No.				Louinate
Sag (mm)	0			
Percent Sag	0			
Sidewall		6	6	Minor cracking and low cover. Rebar at center wall. Exposed
Measured Span (mm)	3040			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	700mm silt and 300mm water.
Bulge (mm)				Iced over
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	Seam @ mid.
Separation (mm)	2			
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		Х	Х	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

71415 -1 Bridge Culvert

		Brio	lge Cul	lvert Barrel							
Culvert Component			Now	· •							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm): 3000	, Rise (mm): 3000, Type: BP, Cell Sequence: 2)							
Fish Passage Adequacy		X	X								
Baffle		Х	Х								
(Type:)											
Waterway Adequacy		7	7	This cell used as cattle pass. 700 mm rock & dirt placed on floor.							
Icing (Y/N) No											
Silting (Y/N) No											
Drift (Y/N)	No										
Barrel General Rating		6	6								
		D	ownstr	eam End							
Culvert Component		Last	Now	Explanation of Condition							
Direction				South end.							
End Treatment (Concrete, Steel, Others, None)	CONCRETE										
Headwall		6	6	300mm spall.							
Collar		X	X								
Wingwalls		6	6	Anchored - moved towards stream 70mm & away 60mm							
(Shape : FLARE)											
Cutoff Wall			N	Dirt covered.							
Bevel End		X	X								
Heaving (mm)											
Invert Above/Below Stream Bed	BELOW			Iced over							
Above/Below (mm)	350										
Scour Protection		4	4	2.0m DP x 0.5m WD x 0.5m LG void behind South East wing.							
(Type : NATURAL)											
(Avg. Rock Size(mm):)											
Scour/Erosion		4	4	Bank cut 2.5m wide by 1.0m DP at South West - behind fence.							
Beavers (Y/N)	avers (Y/N) No										
Downstream End General Ratio	ng	4	4								
		S	tructur	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)		6	1								
Alignment			6								
Bank Stability			7								
HWM (m below Top of Culvert) 2.0				No visible HWM							
Drift (Y/N) No											
Channel Bottom AGGRADING Degrading/Aggrading				Snow covered							
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		6	6								

				Main	tenance R	ecommen	dations							
Inspector Recommendations	Year Inspector Comments					Department C	Tar	get 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			Fill void behind North West and South Eas wings - 2m3 granular and backing plates.											
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/N (%)	low) 66	6.7/66.7	s (%	ufficiency Ra %)	ating (Last	Now)	53.4/53.5	Es	t. Repl. Yr	2031		Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection							Department Comments							
Maintenance Reviewed By							Date				Estim	ated Total	0	
Proposed Long-Term Strategy														
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name	Tom Care	∋y				Previous	Assistant's Nam	е						
Next Inspection Date	18-Nov-2	014				Previous	Inspection Date		20-May-2011					
Inspection Cycle (Default) (months)	21													
Comment														