74085 -1 Bridge Culvert

Bridge Culvert Inspection														
Pear Built Bridge or Town Name CARVEL COR Located Over TRIBUTARY TRIVER, 6.119 Located On G27:02 C1 32. Water Body Cl./Year Navigabil. Cl./Year Legal Land Location Longitude, Latitude Longitude, Latitude Contract Main. Area CMA11 Clear Roadway/Skew Gad Classification Clear Roadway/Skew Fridge Culvert Information Number of Culverts Fipe # Barrel MAIN Special Features Special Features Special Features Comment Utility Attachments Telephone Power 2 wire North r/w. Others Remarks Horizontal Alignment Vertical Alignment Vertical Alignment		1 Bridge Culver	rt			Form Type		CUL1						
							Lot No.			4				
Bridge or Town	Name	CARVE	CORNE				Inspector Name			Kris Bosters				
Located Over			ARY TO NORT		ATCH	EWAN	Inspector Class		BR CLS A					
Located On			·				Assistant Name Assistant Class			Brian Cote				
Water Body Cl./	/Year						Inspection Date			25 Oct 2012				
Navigabil. Cl./Y	ear													
			5 TWP 52 RG		Data Entry By Theresa Lacusta Data Entry Date 13-Nov-2012									
Longitude, Latit	ude	-114:15:	02, 53:27:15				Reviewer Name							
Road Authority		Alberta -	Transportation	(AIT)						Eric Carcoux 04-Nov-2012				
Legal Land Location Longitude, Latitude Road Authority Contract Main. Area CMA11 Clear Roadway/Skew AADT/Year Road Classification RCU-209-1 Detour Length (km) Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span 1 MAIN Special Features Special Features CMA11 CMA11 CHA11 CMA11 CHA11 C						Dept. Reviewer Name Brent Herrick								
AADT/Year 1,430 / 201 Road Classification RCU-209-1 Detour Length (km) 25 Bridge Culvert Information Number of Culverts 1		deg. (RHF)				Dept. Review Date								
Road Classification RCU-209-		011 (A)				·		20-Nov-2012						
Road Classification RCU-209) -110				Follow-Up By								
Detour Length ((km)	25												
Bridge Culvert	Informa	ation												
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		1429	1575		SPE		108.5		152X51	2.8	ELLIPSE		
										1	1			
		nent	1429 x 1575mr	n vertical	ellipse									
·														
					Uti	ilities (L	_ocated	at)						
	ents													
							Gas							
Telephone Power 2 wire North r/w. Others Remarks					Munici									
Others Remarks					Proble	m (Y/N)	No							
Remarks				Δ.		sh Dass	d / Emb	ankment						
				A	Last					tion				
Horizontal Alignment		7	7		Explanation of Condition Site is West of BF 02324. res. access each way.									
					5	∃80 km/	80 km/h design vert. align. Crest curve W, limited sight distance. No							
							passin		signt	distance. No				
Roadway Width	(m)		8.800											
Embankment					4	4	Ditch e	rosion ch	annel ·	- SW				
	:1)		3.5					ecting cul						
. ,		9)			1		Glasse	ed & stabl	e.					
Approach Roa	d / Emb	ankmen	_ It General Rat	ing	5	5								
						Uractica	om Enc							
Culvert Compo	nont				Last	Now	am End	nation of	Candi	tion				
	ment				N	INOW	Ехріаі	iation of	Contai	шоп				
End Treatment (Concrete, Steel, STEEL		, STEEL		IN										
Others, None) Headwall					Х	Х								
Collar				Х	X									
Wingwalls				Х	X									
(Shape:)					, ,									

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Culvert Component Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed		Last X	Now	Explanation of Condition
Cutoff Wall Bevel End Heaving (mm)				
Heaving (mm)		^	X	
Heaving (mm)		5	5	Bevek assembled incorrectly and seam lapped more by 1 bolt hole 8
	100			11 bolts missing.
Above/Below (mm)	50			-
Scour Protection	30	5	5	
(Type : RIP RAP)			<u> </u>	
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		5	5	
	1	J		
Beavers (Y/N)	No			
Upstream End General Rating	I	5	5	
	_	Brio	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loc	ation Code: MAIN, S	Span (mm): 1429	, Rise (mm): 1575, Type: SPE)
Barrel Last Accessible Date	25-Aug-2012			
Special Features	_			
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1550			
Measured At Ring No.	8			
Sag (mm)	25			
Percent Sag	2			
Sidewall		7	7	
Measured Span (mm)	1470			
Measured At Ring No.	8			
Deflection (mm)	41			
Percent Deflection	3			
Floor	1	7	7	
Bulge (mm)	0	,	'	-
Measured At Ring No.	8			
Abrasion (Y/N)	No			
Circumferential Seams	110	7	7	
Separation (mm)	0	7		
	J	7	7	
Longitudinal Seams Total No. of Cracked Pings	0	7		
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)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	4	Rusting/scaling & pitting by water seeping in
Corrosion By Soil (Y/N)	Yes			from bolts at lower 1/3.
. , ,	No			
Corrosion By Water (Y/N)				

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		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 1429	, Rise (mm): 1575, Type: SPE)
Ponding (Y/N)	No			
Fish Passage Adequacy		4	4	long pipe and steep
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating		7	7	
		D	ownstr	ream End
Culvert Component		Last		Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		5	5	Sloes down to slough area - channel rock covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)		1	1	
Scour/Erosion		5	5	
Beavers (Y/N)	Yes			Cuttings everywhere.
Downstream End General Ratio	ng	5	5	
		S	tructu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			Deadfall in channel.
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

		Maintenanc	e Recommenda	ations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		<u> </u>		1					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTC)FF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	ow) 77.8/77	.8 Sufficiency Rating (L. (%)	ast/Now) 6	4.0/64.0	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		ı	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Arnold Assenhe	eimer	Previous A	ssistant's Name					
Next Inspection Date	25-Jan-2016		Previous Ir	nspection Date	10-Jul-2009				
	39								
Comment									